

# University of the Incarnate Word



San Antonio, Texas

## **Undergraduate Bulletin 2009-2011 Edition**

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## *Table of Contents*

I. General Information .....	11
The University of the Incarnate Word .....	11
Mission of the University of the Incarnate Word.....	11
The Campus .....	12
San Antonio .....	12
Accreditation.....	13
Academic Programs and Services .....	15
Degrees and Major Programs.....	15
Affiliations.....	17
J.E. and L.E. Mabee Library .....	17
Academic Resources .....	18
Services .....	18
Study Spaces .....	19
Computing Technology .....	20
Electronic Communication Policy .....	21
Technology Training.....	21
Cooperative Programs.....	22
The Brainpower Connection .....	23
Study Abroad and International Exchange Programs .....	24
II. Undergraduate Admissions .....	25
Admission of First-Time Freshmen .....	26
Admission of Transfer Students.....	26
Transfer of University Work.....	27
A. Credit from Regionally Accredited Institutions.....	27
B. Credit From Non-Accredited Schools .....	29
C. Block Credit in Religious Studies.....	29
D. Credits from International Schools.....	30
E. Credit for Military Experience .....	30
Advanced Placement and Advanced Credit .....	30
Admission to the Adult Degree Completion Program (ADCaP) and Virtual University.....	30
EArmyU, GoArmyEd, NCPDLP, and AU-ABC Program .....	31
Joint Admissions Agreement with Alamo Community College District (ACCD).....	31
Admission of Veterans.....	32
Admission of Military Personnel .....	32
Admission of International Students .....	32

## I. GENERAL INFORMATION

English as a Second Language .....	33
Admission of Exchange Students .....	33
Early Admission for High School Students .....	34
Admission for Home Schooled Students .....	34
Senior Connection.....	34
Admission of Non-Degree Seeking Students.....	35
Admission of Post-Baccalaureate/Post-Master’s Students.....	35
Re-Admission to the University.....	35
Admission of Graduate Students.....	36
Appeal of an Admissions Denial .....	36
Permission to Audit.....	36
Immunization Requirements .....	36
III. Financial Information .....	37
Tuition and Financial Regulations .....	37
Tuition.....	37
Housing.....	38
Residence Halls and Dining Service .....	38
Tuition Discounts.....	38
Auditing Courses.....	40
Payments.....	40
Payment Policy .....	41
Account Statements and Disputes .....	42
Returned Items/Insufficient Funds .....	42
Student Health Insurance .....	42
Parking .....	43
Financial Aid Policies and Billing Practices .....	44
Withdrawals and Refunds .....	44
Appeals to Refund Policy .....	45
Return of Title IV Funds.....	45
Funds Not Yet Received at the Time of Withdrawal .....	46
Financial Assistance.....	47
Types of Assistance Available .....	47
Satisfactory Academic Progress.....	47
Review Policy .....	49
Financial Aid Termination .....	49
Conditions for Reinstatement.....	49
Veteran's Benefits .....	50
Certification Procedures.....	50

## I. GENERAL INFORMATION

Standards of Progress for Receipt of Veteran’s Benefits.....	50
IV. Student Life Services and Programs.....	51
Student Identification Cards.....	51
Learning Assistance Center: Tutoring and Testing.....	52
Campus Ministry.....	52
The Counseling Service.....	52
Student Disability Services.....	52
Student Success Program.....	53
Health Services.....	53
Office of Career Education and Services.....	54
Student Housing.....	54
The Student Center and Leadership Activities.....	55
Food Service.....	55
Intercollegiate Athletics.....	56
Intramural Activities.....	56
Student Complaint Policy.....	56
Additional Resources.....	58
Student Conduct and Discipline.....	59
V. Undergraduate Academic Regulations and Institutional Policies.....	60
Credit by Examination, Certification, or Correspondence Policies.....	62
A. Challenge Examinations.....	63
B. College Level Examination Program (CLEP).....	63
C. Defense Activity for Non-Traditional Education Support (DANTES).....	64
D. International Baccalaureate Program (IB).....	65
E. Professional Certification Credits.....	66
F. University Board Advanced Placement Program.....	66
Degree Requirements.....	68
A. Institutional Requirements for the Associate Degree.....	68
B. Institutional Requirements for the Baccalaureate Degree.....	68
C. Core Curriculum.....	69
1. Core Curriculum Course Listing.....	70
2. Community Service Requirement.....	72
3. Computer Literacy Requirement.....	72
D. Application for the Degree.....	73

## I. GENERAL INFORMATION

E. Major.....	74
F. Minor, Interdisciplinary Concentration, or Specialization .....	74
G. Second Major.....	74
H. Second Baccalaureate Degree.....	74
<b>Enrollment and Attendance Policies .....</b>	<b>76</b>
A. Academic Advising .....	76
B. Academic Load .....	76
C. Academic Placement Testing Requirements .....	76
D. Academic Overload .....	77
E. Attendance .....	77
F. Auditing.....	78
G. Correspondence Work .....	78
H. Independent Study Work .....	79
I. Inter-Institutional Work.....	79
J. Satisfactory Academic Progress.....	80
K. Schedule Adjustment .....	80
L. Student Responsibility Statement.....	82
M. Study Abroad Enrollment .....	82
N. Study at Another Institution.....	82
<b>Grades and Academic History Policies .....</b>	<b>84</b>
A. Academic Integrity Policy .....	84
B. Classification of Students .....	86
C. Dean’s List.....	87
D. Honor Societies.....	87
E. System of Grading.....	87
F. Honor Points.....	88
G. Repeat Policy .....	88
H. Satisfactory Academic Progress .....	89
<b>Graduation Policies.....</b>	<b>91</b>
A. Bulletin for Graduation.....	91
B. Graduation Completion Policies .....	91
C. Graduation Honors.....	93
D. Participation in Commencement Ceremonies.....	93
<b>Student Educational Records and Student Privacy.....</b>	<b>94</b>
A. Educational Records .....	94
B. Educational Records Fee.....	94
C. Educational Records on Campus .....	94

## I. GENERAL INFORMATION

D. Educational Record Review.....	94
E. Educational Record Revision .....	94
F. Educational Record and Student Confidentiality .....	95
G. Transcripts .....	95
VI. Undergraduate Programs.....	97
Academic Literacy .....	97
Learning Communities.....	97
College of Humanities, Arts, and Social Sciences .....	98
Programs Offered.....	98
ANTHROPOLOGY (ANTH) .....	98
ART (ARTS) and ART HISTORY (ARTH).....	98
CULTURAL STUDIES (CLST).....	101
DANCE (DANC) .....	104
ENGLISH (ENGL) .....	104
HISTORY (HIST).....	107
INTERNATIONAL STUDIES (INST).....	108
LIBERAL ARTS.....	112
MODERN LANGUAGES .....	113
MUSIC (MUAP, MUSI, MUST, MUTH).....	113
Bachelor of Music in Music Education .....	114
Bachelor of Music in Music Therapy .....	116
Bachelor of Arts in Music .....	117
Bachelor of Arts in Music Industry Studies .....	119
PHILOSOPHY (PHIL) .....	122
POLITICAL SCIENCE (POLS) .....	123
Major Requirements for a Bachelor of Arts .....	124
Justice and Peace Studies Concentration.....	126
Political Economy Concentration.....	127
Pre-Law Concentration .....	127
PSYCHOLOGY (PSYC) .....	128
RELIGIOUS STUDIES (RELS) .....	130
SOCIOLOGY (SOCI).....	133
SPANISH (SPAN) .....	135
THEATRE ARTS (THAR).....	137
Dreeben School of Education .....	140
EDUCATION (EDUC).....	140
Programs of Study.....	140
INTERDISCIPLINARY STUDIES (IDS) .....	141
SECONDARY EDUCATION .....	143
ALL LEVEL TEACHING (ALVT).....	144
Admission to Teacher Certification Program (TCP).....	144

## I. GENERAL INFORMATION

Admission to the Teacher Apprenticeship Program.....	146
Internship .....	148
Application and Approval for State Certification .....	148
Child Studies.....	149
Early Childhood Administration .....	150
Extended Academic Programs .....	152
Adult Degree Completion Program (ADCaP) .....	152
EArmyU, GoArmyEd, NCPDLP, and AU-ABC Program .....	153
Universe Online .....	153
Center for Veterans Affairs.....	154
Extended Academic Programs Offered.....	154
ADMINISTRATION .....	154
APPLIED ARTS AND SCIENCES.....	155
HUMAN RESOURCES.....	156
ORGANIZATIONAL DEVELOPMENT .....	157
Feik School of Pharmacy.....	159
Pharmacy Programs Offered .....	159
PRE-PHARMACY PROGRAM.....	159
H-E-B School of Business and Administration .....	161
BACHELOR OF BUSINESS ADMINISTRATION (BBA).....	161
BBA Degree Requirements:.....	161
ACCOUNTING (ACCT).....	163
BANKING AND FINANCE (BFIN).....	164
ECONOMICS CONCENTRATIONS.....	165
ECONOMICS (ECON).....	165
ECONOMICS AND FINANCE.....	165
INTERNATIONAL ECONOMICS .....	166
POLITICAL ECONOMY .....	167
GENERAL BUSINESS .....	168
INFORMATION SYSTEMS (BINF) .....	168
INTERNATIONAL BUSINESS (BINT) .....	169
MANAGEMENT (BMGT).....	169
MARKETING CONCENTRATIONS.....	170
HISPANIC MARKETING.....	171
MARKETING (BMKT).....	171
MERCHANDISING MANAGEMENT .....	172
SPORTS MANAGEMENT (SMHP).....	173
ASSOCIATE OF ARTS IN BUSINESS .....	173
School of Interactive Media and Design .....	175

## I. GENERAL INFORMATION

Interactive Media and Design Programs Offered.....	175
COMMUNICATION ARTS (COMM).....	175
COMPUTER GRAPHIC ARTS (CART) .....	178
COMPUTER INFORMATION SYSTEMS (CIS).....	181
JUREN SULLIVAN CENTER FOR FASHION MANAGEMENT.....	184
INTERIOR ENVIRONMENTAL DESIGN (INTD) .....	188
SPEECH COMMUNICATION (SPCH).....	189
School of Mathematics, Science and Engineering .....	190
Mathematics, Science and Engineering Programs Offered.....	190
BIOLOGY (BIOL).....	190
CHEMISTRY (CHEM).....	193
APPLIED CHEMISTRY .....	196
ENGINEERING (ENGR) .....	196
ENVIRONMENTAL SCIENCE (ENSC) .....	198
GEOLOGY (GEOL) .....	200
MATHEMATICS (MATH) .....	200
METEOROLOGY (METR).....	202
BROADCAST METEOROLOGY (METB).....	204
NUTRITION (NUTR).....	205
PHYSICS (PHYS) .....	207
School of Nursing and Health Professions .....	209
Department of Human Performance .....	209
ATHLETIC TRAINING EDUCATION (ATHP) .....	209
KINESIOLOGY (PEHP) .....	219
SPORT MANAGEMENT (SMHP) .....	222
NUCLEAR MEDICINE SCIENCE (NMED) .....	223
NURSING (NURS) .....	228
School of Optometry .....	238
VISION SCIENCE (VISC).....	238
VII. Description of Courses .....	241
Course Numbers.....	241
ANTHROPOLOGY (ANTH) .....	242
ART HISTORY (ARTH) .....	242
ART (ARTS).....	244
ATHLETIC TRAINING EDUCATION (ATHP) .....	249
BIOLOGY (BIOL).....	253
BUSINESS: ACCOUNTING (ACCT) .....	258
BUSINESS: BANKING AND FINANCE (BFIN) .....	259
BUSINESS: BUSINESS LAW (BLAW).....	261
BUSINESS: ECONOMICS (ECON) .....	261
BUSINESS: INFORMATION SYSTEMS (BINF).....	262



## I. GENERAL INFORMATION

BUSINESS: INTERNATIONAL BUSINESS (BINT) .....	263
BUSINESS: MANAGEMENT (BMGT) .....	265
BUSINESS MANAGEMENT & DECISION SCIENCES (BMDS) .....	267
BUSINESS: MARKETING (BMKT) .....	267
CHEMISTRY (CHEM).....	269
COMMUNICATION ARTS (COMM).....	272
COMPUTER GRAPHIC ARTS (CART) .....	279
COMPUTER INFORMATION SYSTEMS (CIS).....	283
COMPUTER LITERACY (COMP).....	287
CULTURAL STUDIES (CLST).....	287
DANCE (DANC) .....	288
DIMENSIONS OF WELLNESS (DWHP) .....	290
EDUCATION (EDUC).....	290
ENGINEERING (ENGR) .....	297
ENGLISH (ENGL) .....	298
ENVIRONMENTAL SCIENCE (ENSC) .....	302
FASHION DESIGN (FADS) .....	304
FASHION MANAGEMENT (FMGT) .....	305
FASHION MERCHANDISING (FMER).....	307
GEOGRAPHY (GEOG) .....	308
GEOLOGY (GEOL) .....	308
HISTORY (HIST).....	310
HUMAN RESOURCES (HRES).....	313
INTERNATIONAL STUDIES (INST).....	314
INTERIOR ENVIRONMENTAL DESIGN (INTD) .....	314
JUSTICE AND PEACE (JUSP).....	317
KINESIOLOGY (PEHP) .....	317
MATHEMATICS (MATH) .....	319
METEOROLOGY (METR).....	323
MODERN LANGUAGES .....	326
MUSIC, APPLIED PRIVATE (MUAP) .....	327
APPLIED MUSIC, PRIVATE INSTRUCTION (MUAP).....	327
MUSIC AND ENSEMBLE (MUSI) .....	328
MUSIC INDUSTRY STUDIES (MUST) .....	333
MUSIC THERAPY (MUSIC THERAPY (MUTH).....	335
NUCLEAR MEDICINE (NMED) .....	336
NURSING (NURS).....	339
NUTRITION (NUTR).....	342
ORGANIZATIONAL DEVELOPMENT (ORGD) .....	345
PHILOSOPHY (PHIL) .....	346
PHYSICS (PHYS) .....	349
POLITICAL SCIENCE (POLS) .....	350

## I. GENERAL INFORMATION

PRE-PHARMACY .....	355
PSYCHOLOGY (PSYC) .....	356
RELIGIOUS STUDIES (RELS) .....	360
RESEARCH (RSCH) .....	364
SOCIOLOGY (SOCI) .....	364
SPANISH (SPAN) .....	367
SPEECH (SPCH) .....	370
SPORTS MANAGEMENT (SMHP) .....	371
THEATRE ARTS (THAR) .....	372
VISION SCIENCE (VISC) .....	376
VIII. University Directory .....	381
Board of Trustees .....	381
Board of Trustees Emeriti .....	385
Development Board .....	386
University Administration .....	387
Provost .....	387
Enrollment Management and Student Services .....	387
Finance and Technology .....	388
Institutional Advancement .....	388
International Programs .....	389
Faculty Professor Emeritus .....	390
Faculty .....	392
Preparatory Programs .....	406
Index .....	407

## *I. General Information*

The University of the Incarnate Word .....	11
The Campus .....	12
San Antonio .....	12
Accreditation.....	13
Academic Programs and Services.....	15
Degrees and Major Programs.....	15
Affiliations .....	17
J.E. and L.E. Mabee Library .....	17
Computing Technology .....	20
Technology Training.....	21
Cooperative Programs.....	22
The Brainpower Connection.....	23
Study Abroad and International Exchange Programs .....	24

### *The University of the Incarnate Word*

The University is one of the many out growths of the original mission that brought the Sisters of Charity of the Incarnate Word to San Antonio in 1869. The Sisters' work began with the care of victims of a cholera epidemic and the establishment of the first hospital in the city, an institution recognized today as the Santa Rosa Health Care Corporation. Their ministry soon spread to the care of homeless children and to teaching. In 1881, they secured a charter from the State of Texas, which empowered them to establish schools on all levels.

In 1900, the Academy of the Incarnate Word, which had been established first in an area of San Antonio called Government Hill, was moved to the recently constructed Motherhouse of the Sisters of Charity of the Incarnate Word in Alamo Heights. College classes were added to the curriculum in 1909, and the name of the institution was changed to the College and Academy of the Incarnate Word. Both the college and the high school were affiliated with the Texas State Department of Education in 1918. The college was fully accredited by the Association of Colleges and Secondary Schools in 1925. The graduate division was added in 1950, and the school became co-educational in 1970. In 1996, it was recognized as a University. In 1998, the University was accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award Doctoral degrees, in addition to Bachelor's and Master's degrees.

### **Mission of the University of the Incarnate Word**

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The first Sisters of Charity of the Incarnate Word, three young French women motivated by the love of God and their recognition of God's presence in each person, came to San Antonio to minister to the sick and the poor were motivated by the love of God and their recognition of God's presence in each person. Their spirit of Christian service is perpetuated in the University of the Incarnate Word primarily through teaching and scholarship. Inspired by Judeo-Christian values,

the University aims to educate men and women who will become concerned and enlightened citizens.

The University is committed to educational excellence in a context of faith in Jesus Christ, the Incarnate Word of God. It promotes life-long learning and fosters the development of the whole person. The faculty and students support one another in the search for and the communication of truth. The University is open to thoughtful innovation that serves ever more effectively the spiritual and material needs of people. The curriculum offers students an integrated program of liberal arts and professional studies that includes a global perspective and an emphasis on social justice and community service.

The University of the Incarnate Word is a Catholic institution that welcomes to its community persons of diverse backgrounds, in the belief that their respectful interaction advances the discovery of truth, mutual understanding, self-realization, and the common good.

## The Campus

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The University is located on what was formerly the estate of noted San Antonio philanthropist, businessman, and civil servant, Col. George W. Brackenridge. His home, listed on the National Registry of Historic Places, still stands on the campus. The headwaters of the San Antonio River are also located on the campus, and at one time, the natural beauty as well as the clear spring water made it a favored campsite for Native American tribes. Archeological studies have produced Paleo-Indian projectile points that date back well over 11,000 years.

The 110-acre campus combines the natural beauty of the historic grounds with state-of-the-art facilities and technology. Each building features presentation and wireless technology in the classroom in addition to the technologies specific to the courses taught in that specific building. Residence halls and gathering places, both internal and external, feature wireless technology as well. Additionally, the Burton E. Grossman International Conference Center provides expansive state-of-the-art facilities meeting and conference, as well as housing for visiting foreign dignitaries and students.

Abundant athletic facilities, practice fields and many walking paths provide ample locations to improve upon the student's physical dimension as well as the spiritual and mental dimensions. The park-like atmosphere encourages private reflection as well as intellectual stimulation.

## San Antonio

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The city offers a rich mixture of cultural heritages derived from its historical settlement by persons from Germany, France, Ireland, Mexico, and the Canary Islands. Together with Dallas and Houston, it is one of the three largest metropolitan areas in Texas and ranks as the eighth largest city in the nation. The River Walk, or Paseo Del Rio, with its waterside restaurants, hotels, shopping areas, and cultural attractions, has helped to develop the city into a prime location for conventions and tourism.

The city has a flourishing art community with active theatre groups, dance companies, and music and art associations. Museums include the San Antonio Museum of Art, the McNay Art Museum, the Witte Museum, the Institute of Texan Cultures, the Hertzberg Circus Museum, and the San Antonio Botanical Gardens.

San Antonio is rich in educational offerings with four private universities, a Catholic theological graduate school, a state university, a state-sponsored medical school, and a public community college system. It is also a center for scientific and medical research based at the University of Texas Health Science Center, the Southwest Research Institute, the Southwest Foundation for Biomedical Research, and the Cancer Therapy Research Center. The campus of the University of the Incarnate Word is located in the north-central area of the city adjacent to Brackenridge Park and to the suburb of Alamo Heights, which offers a quiet, well established residential area as well as shopping, restaurant, cultural, and recreational facilities.

## Accreditation

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The University of the Incarnate Word is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award associate's, bachelor's, master's, and doctoral degrees. The Commission may be contacted at:

Southern Association of Colleges and Schools  
1866 Southern Lane  
Decatur, Georgia 30033  
Phone (404) 679-4500  
Fax (404) 679-4558

The University holds national and specialized accreditations in the following disciplines:

College of Humanities, Arts, and Social Sciences:

American Association for Music Therapy (BM in Music Therapy)  
National Association of Schools of Theatre (BA in Theatre Arts)

Dreeben School of Education:

State Board for Educator Certification (all teacher certification programs)

H-E-B School of Business and Administration:

National Association of Collegiate Business Schools and Programs for the following business:

- Bachelor of Business Administration (BBA) degree with concentrations in Accounting, Banking and Finance, Economics, Economics and Finance, Political Economy, General Business, Information Systems, Hispanic Marketing, International Business, Management, Marketing, Merchandising Management, and Sports Management.
- Master of Business Administration (MBA)

School of Interactive Media and Design

Council for Interior Design Accreditation (B.A. in Interior Environmental Design)

School of Mathematics, Science, and Engineering:

American Diabetic Association (BS and MS in Nutrition, and Dietetic Internship)

School of Nursing and Health Professions:

Board of Nurse Examiners for the state of Texas (BSN)

Commission for Collegiate Nursing Education (BSN and MSN)

Joint Review Committee on Educational Programs in Nuclear Medicine Technology (BS Nuclear Medicine Science)

Commission of Accreditation of Athletic Training Education Programs (BS Athletic Training)

## *Academic Programs and Services*

The academic curriculum brings educational practice into harmony with the specific aims and objectives of University of the Incarnate Word. The program stresses the intellectual disciplines of liberal studies and to meet the needs of students with varying abilities and vocational objectives.

### **Degrees and Major Programs**

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The following degrees are conferred upon students who complete the general and specific requirements for graduation in one or more of the undergraduate programs listed below:

#### **Associate of Arts (A.A)**

- Applied Chemistry
- Business Administration
- Fashion Management
- Liberal Arts

#### **Bachelor of Arts (B.A.)**

- Administration
- Art
- Chemistry
- Communication Arts
- Cultural Studies
- Early Childhood Administration
- English
- Fashion Management
- History
- Human Resources
- International Studies
- Interior Environmental Design
- Interdisciplinary Studies (Elementary Teacher )
- Mathematics
- Music
- Music Industry Studies
- Organizational Development
- Philosophy
- Political Economy
- Political Science
- Psychology
- Religious Studies
- Sociology
- Spanish
- Theatre Arts

**Bachelor of Applied Arts and Sciences (B.A.A.S.)**

**Bachelor of Business Administration (B.B.A.)**

Business Administration with concentrations in:

- Accounting
- Banking and Finance
- Economics
- Economics and Finance
- General Business
- Hispanic Marketing
- Information Systems
- International Business
- International Economics
- Management
- Marketing
- Merchandising Management
- Political Economy
- Sports Management

**Bachelor of Fine Arts (B.F.A.)**

- Art
- Computer Graphic Arts

**Bachelor of Music (B.M.)**

- Music Therapy
- Music Education

**Bachelor of Science (B.S.)**

- Athletic Training
- Biochemistry
- Biology
- Broadcast Meteorology
- Chemistry
- Computer Information Systems
- Engineering Management
- Environmental Science
- Kinesiology
- Mathematics
- Meteorology
- Nuclear Medicine Science
- Nutrition
- Vision Science

**Bachelor of Science in Nursing (B.S.N.)**



## *Affiliations*

The University holds membership in the following organizations:

- American Association of Colleges of Pharmacy
- American Council on Education
- American Association of Colleges of Nursing
- American Association of Collegiate Registrars and Admissions Officers
- American Association of Universities for Teacher Education
- American Music therapy Association
- American Political Science Association
- Association of American Colleges and Universities
- Association of Catholic Colleges and Universities
- Association of Texas Graduate Schools
- Association for Theatre in Higher Education
- Council of Colleges of Arts and Sciences
- Council for Higher Education Accreditation
- Hispanic Association of Colleges and Universities
- Higher Education Council of San Antonio
- Independent Colleges and Universities of Texas
- International Association of Universities
- Latin American Council of Schools of Business Administration
- National Association of Independent Colleges and Universities
- National Association of Schools of Theatre
- Southern Association of Colleges and Schools
- Texas Association of Music Schools
- Texas Educational Theatre Association
- Texas Higher Education Coordinating Board
- Texas Independent University Fund
- Texas Music Educators Association
- United Colleges of San Antonio
- United Nations Educational, Scientific, and Cultural Organization

## J.E. and L.E. Mabee Library

The inviting Mabee Library was expanded, remodeled and rededicated in 1997 to house a rapidly growing resource collection for research with the latest in wireless and conventional instructional technology. It supports resources in a variety of formats to meet the expanding instructional and research programs at the University.

## A F F I L I A T I O N S

Current and holiday hours are posted at the library entrance, on various campus and electronic bulletin boards, and under “J. E. and L. E. Mabee Library” through the main university homepage: <http://www.uiw.edu>. Library guides, policies, general information and other publications are posted on the library homepage. The Library Telephone Menu with office directory and current hours of operation can be accessed at any time by dialing (210) 829-6010.

The Mabee Library offers many services and features for students. Professional assistance with research and use of library technology is available every day the library is open.

### Academic Resources

The strong, well-balanced collection of resources contains almost 325,000 volumes/volume equivalents and over 24,000 unique journal titles in print, electronic, digital and/or microfilm/fiche formats. Internet access is provided throughout the library by wireless network and data line connectivity. To augment the print collections, students have access to over 100 electronic indexes, databases, and thousands of online journals. These are accessible through the VPN client software (Virtual Private Network); over eighty of the online indexes have full text available, many with graphics and images—ARTstor and NetLibrary are among many examples of these excellent resources for reading, reference, research and study.

Materials not held at UIW can usually be obtained through Interlibrary Loan and/or through TexShare cards honored at participating Texas libraries. Interlibrary Loan is usually without charge to the user. Off campus materials may be identified through the OCLC (Online Computer Library Center) WorldCat and other online library catalogs.

Audiovisual Services - This valuable and growing resource collection of educational material is housed in Reference Room 143 and in 145. It includes all formats such as DVDs, Compact Discs, CD-ROMs video and audio cassettes, LPs and slides for UIW student, faculty and staff check out. Materials may also be used on equipment provided in the building.

Information Literacy – Room 230 is an instructional classrooms primarily for teaching Information Literacy which enables students to identify appropriate electronic resources, formulate effective search strategies and retrieve data online; Periodicals – the second floor stacks house the current year print journals and newspapers, earlier bound print journals, and retrospective and historical microform serials collections.

### Services

Circulation Desk – At the front entrance (Room 125) to check out and return circulating and reserve books, conference room keys, obtain change, encode IDs for copiers and resolve issues on overdue and lost materials.

Reference Desk – This desk at the center of the first floor is staffed to provide information about library resources and services and to offer assistance on doing research on any subject; Reference Room (Room 143) contains non-circulating

## A F F I L I A T I O N S

publication such as bibliographies, encyclopedias, dictionaries, handbooks and other special resources to support academic research in all curricular areas.

**Information Literacy** – The UIW mission statement emphasizes the life-long nature of learning, and one of the library's major goals is developing information literate students. Information literacy is defined as “the ability to locate, evaluate, and use information to become independent life-long learners.” The library partners with UIW faculty and staff to ensure students are actively engaged in becoming information literate. At the request of faculty, librarians are available to teach library research techniques tailored to a particular class and/or project. Librarians also work with students on a one-to-one basis to help them better use and understand the information resources required for success in the university environment.

In partnership with the Office of First Year Engagement, the library staff is developing information literacy activities that will be incorporated in a variety of first-year courses and experiences. These activities will expose first-year students to the wealth of information available in the Mabee Library and the skills needed to find the resources necessary for college-level assignments and projects.

**Photocopiers** – Room 135 contains photocopiers and a work counter. Additional photocopiers are available on the second floor.

**Faculty Reserved materials** are housed at the Circulation Desk for students to use, view and copy selected material placed on reserve by faculty.

**Computer Access Room** – Room 110 near the Reference Desk contains computer workstations for research access to the library online catalog, Databases, the Internet and subject specific indexes such as ABI/Inform, Lexis-Nexis, Medline and MLA; Computer labs for word processing and special applications software are in the library basement administered by the Office of Instructional Technology and are accessed by an outside entrance on the south side of the building.

### Study Spaces

**Carrels** – Study seating for individuals is located on all floors of the building; Conference Rooms of various sizes may be checked out by UIW students in groups of two to twelve.

Additional multimedia spaces equipped for electronic instruction using cable, computer and satellite downlinks include the Auditorium (Room 114) off the atrium seats 125.

The library staff is committed to helping students attain their educational goals and enhance their learning experience by utilizing all available materials and services. Students are invited to stop at the Reference Desk for assistance to identify and locate needed resources, and obtain professional assistance with research and library technology. The experienced staff is the library's most important resource and cordially welcomes inquiries in person, by email and by telephone.

## Computing Technology

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The University of Incarnate Word (UIW) integrates computer technology into the learning experience of all university students. This means we expect all undergraduates (and many graduate students) to come to UIW equipped with appropriate laptop or tablet computers. Laptop and tablet computers are used in the classroom, in the library, in dorm rooms to complete homework, and wirelessly across the campus on picnic tables and elsewhere as students work on group projects. Students need to have a repertoire of computer skills to successfully get jobs and compete in the world of business after UIW graduation. The university's laptop and tablet program contributes to student success.

Students can order a laptop through UIW to satisfy this technology requirement through our university web site (<http://support.uiwtx.edu/HelpDesk/laptop.html>). Our current vendor of choice, Dell, offers deeply-discounted laptop and tablet computers that meet university computing specifications and are guaranteed to interface with our secure network.

Students can purchase their own laptops from a retail vendor or bring their already-owned private laptops to the university to satisfy the mandatory requirement if those computers meet minimum specifications. However, there are real advantages to participating in the university's technology program:

- We use the latest technology - our Gateway notebooks and tablets incorporate high-speed processing and high-capacity data storage in a portable unit that will meet your needs.
- We load the computer with software that will support your studies
- We've wired every classroom and every dormitory room to give students and faculty the maximum access to on-line information.
- Our total campus environment is wireless -- that means computing in a classroom, a dorm room, under a tree, or on a picnic bench. Wherever students gather.

If a student chooses to order a laptop through UIW, a Letter of Intent must be signed before the laptop is ordered. Both the University Help Desk (210-829-2721) and the university web site have instructions for completing the Letter of Intent. The student's account in the Business Office is then charged for a laptop, and Financial Aid will be applied as applicable for each student. This option allows parents and students to offset the price of the laptop with Financial Aid resources.

General technology support services are available through the UIW Technology help Desk, located at the north end of the Administration Building on the Ground Floor. Technicians at the Help Desk assist students in connecting to the university's secure network and troubleshoot other issues on student computers. The Help Desk is an authorized Gateway Service Center for students who purchase tablet or laptop computers through UIW's technology purchase program. The Help Desk is open from 7 am to 7 pm, Monday through Thursday, and from 7 am to 5 pm on Fridays.

## Electronic Communication Policy

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The University of the Incarnate Word supplies each student and employee with an email account and address. These accounts and their associated email addresses are an official means of communication for the university and will be used to conduct university business and convey university-related information to students, staff, and faculty. All students attending the university and all employees of the university are expected to monitor and manage their email accounts on a regular basis.

## Technology Training

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The department of Instructional Technology is part of Technology Services and is responsible for technology integration and training support at UIW. Technology training, classroom technology support, and student access to technology are primary functions of this office. Student engagement with technology is supported by the staff through training, assistance provided to faculty on technology-based projects, staff and student access to online technology courses, research and development of new ways to deliver instruction, and daily support of classroom technology.

The Media Center, located in the basement of the Mabee Library, provides equipment to classrooms as well as audio, graphic, video, printing, and photographic services. The Media Center is home to more than 50 computers, several scanners, printers, and a sound/video recording room. All of the computers have Internet access and support Microsoft Office products, including Outlook, Word, Excel, PowerPoint, and Access. In addition, course-specific applications such as SPSS, Visual Basic, C++, Adobe Illustrator, and AutoCad software are made available to support student work. Students may also request production services from the Coordinator of the Media Center. To check out equipment, however, an instructor must make a request on the student's behalf.

Other technology facilities on campus that support various programs are open for use by all students. These include the Math and Science Building Lab, the Nursing Resource Center and the Macintosh Laboratory. The Academic Literacy Lab is open only to students currently enrolled in Academic Literacy Classes. The Grossman International Conference Center houses special multimedia computer and audiovisual laboratories as well.

General technology support services are available through the UIW Technology help Desk, located at the north end of the Administration Building on the Ground Floor. Technicians at the Help Desk assist students in connecting to the university's secure network and troubleshoot other issues on student computers. The Help Desk is an authorized Gateway Service Center for students who purchase tablet or laptop computers through UIW's technology purchase program. The Help Desk is open from 7 am to 7 pm, Monday through Thursday, and from 7 am to 5 pm on Fridays.

## Cooperative Programs

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### United College of San Antonio

The University of the Incarnate Word, the Oblate School of Theology, Our Lady of the Lake University, and St. Mary's University enjoy a program of inter-institutional cooperation through a consortium for the exchange of course offerings and of faculty members. There is a common commitment to the objective of placing at the service of every student the resources of all four institutions. Courses taken at one University, as long as they are approved as part of a student's degree plan, are transferable to any other University in the consortium, and a student's credits in these courses are accepted as if they were taken at his/her own University. For more information on regulations concerning inter-institutional enrollment, contact the Registrar's Office.

### Air Force R.O.T.C.

By arrangement with the University of Texas at San Antonio, a student may obtain a commission as an officer in the U.S. Air Force upon completion of a baccalaureate degree at the University of The Incarnate Word and completion of the Air Force Reserve Officers Training Corps (ROTC) program at UTSA. Scholarships are available on a competitive basis which provides tuition and fee assistance, a book allotment, and a monthly subsistence allowance.

The following ROTC courses are offered through UTSA:

Foundations of U.S. Air Force I/II: 1 credit hour freshman level course which introduces students to the U.S. Air Force

Evolution of U.S. Air and Space Power I/II: 1 credit hour sophomore level course examines the history of air and space power.

Leadership Studies I/II: 3 credit hour junior level course focusing on leadership and management principals.

National Security and Active Duty Prep I/II: 3 credit hour senior level course which provides students with the foundation to understand their role as military officers in American society.

In addition, students will have to attend a weekly leadership laboratory and physical training. For more information, please contact Air Force ROTC at UTSA, 458-4624, or UTSA at 458-8000.

### Army R.O.T.C.

By arrangement with the Alamo Community Colleges, University of the Incarnate Word and Our Lady of the Lake University, the following course descriptions also pertain to enrollees from those institutions in the St. Mary's University Department of Military Science. A Leadership Laboratory is held weekly for two hours, to further the development of leadership skills through a varied program consisting of field trips, practical exercises, and visits to military installations. This laboratory is required each semester for all Military Science students.

## A F F I L I A T I O N S

### Four-Year Program

The Basic Course, usually pursued concurrently with the freshman and sophomore years, is voluntary for students who are physically qualified for military training. There is no obligation incurred by non-scholarship cadets. Veterans who have served on active duty for a period of over one year and who have received an honorable discharge, or High School students that have completed 3 or 4 years of JROTC may be granted credit for the basic course with concurrence of the Professor of Military Science.

The Advanced Course is pursued during the last two years of a student's academic career - typically the junior and senior year or the two years of study associated with many masters' degree programs. The Advanced Course represents a commitment (contract) between the student and the United States Army. The student agrees to complete the required course of study and accept a commission into the Army of the United States. The Army agrees to train the student and offer him an officer's position in the Active Army, the US Army Reserves, or the Army National Guard. Advanced course students are required to attend a five-week ROTC Leadership Development Assessment Course (LDAC) during the summer following their junior year.

### Scholarship and Remuneration

The Department of the Army offers 4, 3, and 2-year competitive scholarships, which provides a assistance to cover tuition and fees, books, and a stipend payable directly to the qualifying ROTC students.

### Information

The Army ROTC office is located in the Sister Charles Marie Frank Nursing Building, Room 100. Additionally, the UIW Military Science department maintains offices at St. Mary's University in the basement of Treadaway Hall. The telephone numbers are 832-3210 or 436-3415. The ROTC Enrollment Officer's phone number: 210-379-1997, email address [rotc@uiwtx.edu](mailto:rotc@uiwtx.edu) or [rotc@stmarytx.edu](mailto:rotc@stmarytx.edu).

## The Brainpower Connection

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A unique coalition of learning institutions, spanning pre-kindergarten through University, is characterized by a shared vision, as well as shared faculty and facilities. Faculty from kindergarten through University encourage one another's professional growth through academic alliances, discipline dialogues, and frequent appearances in one another's classes.

Two of the schools, Incarnate Word High School and St. Anthony Catholic High School, are provided managerial and consultant services by the University of the Incarnate Word. St. Peter Prince of Apostles Elementary School, St. Anthony Elementary School, and the Katherine Ryan Pre-School Program maintain voluntary association with University of the Incarnate Word.

For academic purposes, Incarnate Word High School and St. Anthony Catholic High School are an integral part of the University of the Incarnate Word and constitute the division of University Preparatory Programs.

## Study Abroad and International Exchange Programs

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Through the Office of Study Abroad, located at the Dr. Burton E. Grossman International Conference Center, the University offers a wealth of opportunities to learn in other countries. Short-term programs, as well as semester or year-long Study Abroad Programs can be arranged with one of more than 90 sister schools with which UIW maintains collaborative educational agreements. Students may also choose to study at other universities or organizations involved in Study Abroad Programs. Detailed information and assistance can be obtained from the Office of Study Abroad.



## *II. Undergraduate Admissions*

Admission of First-Time Freshmen .....	26
Admission of Transfer Students.....	26
Transfer of University Work.....	27
Advanced Placement and Advanced Credit .....	30
Admission to the Adult Degree Completion Program (ADCaP) and Virtual University.....	30
EArmyU, GoArmyEd, NCPDLP, and AU-ABC Program .....	31
Joint Admissions Agreement with Alamo Community College District (ACCD).....	31
Admission of Veterans.....	32
Admission of Military Personnel .....	32
Admission of International Students.....	32
English as a Second Language.....	33
Early Admission for High School Students .....	34
Admission for Home Schooled Students .....	34
Senior Connection.....	34
Admission of Non-Degree Seeking Students.....	35
Admission of Post-Baccalaureate/Post-Master’s Students.....	35
Re-Admission to the University.....	35
Admission of Graduate Students.....	36
Appeal of an Admissions Denial .....	36
Permission to Audit.....	36
Immunization Requirements .....	36

The University of the Incarnate Word actively recruits students who will enrich and be enriched by a small private selective Catholic liberal arts atmosphere. Applicants should demonstrate personal characteristics and qualities that suggest they will be responsible and contributing members of the University community with standards of excellence in the academic, social, physical, and spiritual aspects of life which adheres to a mission statement of Christian service and social justice.

Applications for admission are accepted on a continual, or rolling basis, throughout the year for fall, spring, and summer semesters. However, it is recommended that the application process be completed in a timely fashion, allowing sufficient time to process financial aid awards. Successful applicants to the University are admitted into a general program of study for the freshmen year. Admission to any major at the University is a separate process that begins as early as the first semester of the sophomore year. Upon admission to the University, transfer students with enough transferable credit may seek admission to a particular major. Certain majors, such as nursing, may require specified pre-requisite courses to be completed before admission to the major. Consult individual program listings for such requirements.

All acceptances to the University are provisional pending the receipt of official transcript credentials, i.e., the final high school transcript with graduation date.

Continued enrollment in subsequent terms is dependent on receipt of official documents.

The University subscribes to affirmative action to ensure admission without regard to race, color, religion, gender, age, national origin, or disability. Those with non-traditional learning experiences or disadvantaged backgrounds are encouraged to apply.

### Admission of First-Time Freshmen

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Freshmen applicants to the University are evaluated using a number of criteria - GPA, high school course difficulty, class rank, SAT and/or ACT test scores, extracurricular activities (including work experience), and letters of recommendation. An interview with an admissions counselor and a visit to the campus are strongly encouraged, but not required. Except in unusual circumstances, applicants to the University must be graduates of an accredited high school or possess an appropriate equivalency. Coursework completed in high school should include a minimum of 16 Carnegie units of the following:

- 4 units of English
- 3 units of Social Science
- 3 units of Mathematics
- 3 units of Natural Science
- 2 units of Foreign Language
- 1 unit of Fine Arts

Individuals who did not finish high school may qualify for admission to the University on the basis of satisfactory scores on the Test of General Education Development (GED) and high school courses via an official transcript. Freshmen applicants out of high school for more than two years and GED recipients are not required to submit SAT or ACT scores.

Under some circumstances, applicants may be asked to take an assessment test, arrange for a personal interview to provide further information upon which an admissions decision will be based, or submit letters of recommendation.

### Admission of Transfer Students

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The University welcomes the application of students with academic credit earned at other accredited colleges and universities. Students are required to report all college-level credit attempted and/or completed, and are required to submit official transcripts of such work. The primary factor for consideration of admission of a transfer student is the student's cumulative GPA. Other factors considered for admission include letters of recommendation, a personal interview, extracurricular activities, and work experience. Applicants are advised to have at least a cumulative GPA of 2.5 or better for unconditional admission. Students may be admitted with less than a 2.5 GPA on the recommendation of the Admissions Committee. The Committee reserves the right to place conditions or requirements on the admittance of such a student.

Applicants with fewer than 24 transferable hours of college credit must submit an official high school transcript with the scores of any SAT or ACT exam(s)

previously taken. Transfer applicants out of high school for more than two years, or are GED recipients, are not required to submit SAT or ACT exam scores.

Applicants with credit earned at non-accredited institutions, such as trade, technical, and career schools, are advised that such credit is generally not transferable to the University. However, an official transcript of coursework is required for admission consideration.

### Transfer of University Work

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All courses completed with a grade of C or higher that are normally considered part of an associate or bachelor degree program will transfer to the University of the Incarnate Word. The cumulative grade point average at UIW is based upon all hours attempted, regardless of the grade earned, and to include both transfer and UIW credits. Some transfer work may not apply toward degree requirements. Acceptance of transfer work does not reduce institutional requirements (e.g. residency, advanced hours, etc.). Refer to the institutional requirements sections of this catalog for information pertaining to institutional policies.

It is the student's responsibility to provide the Registrar's Office with an official transcript reflecting completion of the course work. Transcripts from all previously attended colleges or universities, regardless of whether credit was awarded or whether credits apply toward the current program, must be received by the Registrar's Office at the University of the Incarnate Word by the beginning of the first semester of enrollment. Students who fail to meet this admission requirement will not be permitted to enroll for future semesters until all required transcripts are received.

Credit submitted for transfer to the University of the Incarnate Word must be recorded on an official transcript received by the Registrar's Office from the institution where the credit was earned. Once submitted for admission or transfer consideration, the transcript becomes the property of the University of the Incarnate Word and cannot be released back to the student. The transfer of course credit will be determined by the Office of the Registrar on a course-by-course basis. Course content will be determined from the catalog description or the course syllabus issued by the transferring institution.

The following policies will be used by the Registrar when evaluating transfer credits.

#### A. Credit from Regionally Accredited Institutions

1. A course that is normally considered part of a bachelor's degree program will be accepted in transfer.
2. A course with a grade of less than C will not be accepted in transfer. Grades for all courses that are normally considered part of an associate or bachelor degree program, regardless of whether or not they apply toward the degree or transfer for credit, will be used to determine the transfer grade point average.

## II. UNDERGRADUATE ADMISSIONS

3. A course that is essentially equivalent to a UIW course will be transferred as an equivalent course. Discipline Coordinators will be consulted when there is a question regarding the similarity of a transfer course to a UIW course. Lower level courses accepted as equivalent to courses offered at the advanced level at UIW will not satisfy the advanced hour requirement (refer to Chapter 5, Degree Requirements, section A, policy #2).
4. Developmental course work (including ESL/ELS) and/or preparatory courses, such as orientation, will not be accepted in transfer and will not be included in the calculation of the transfer grade point average.
5. A course that is intended for use in a vocational, technical, or occupational program normally will not be accepted as transfer credit unless it is applied as partial fulfillment of the BAAS degree program. Courses of this nature applied to BAAS degree program will be used in the calculation of the cumulative transfer grade point average. All exceptions must be approved by the Discipline Coordinator and the appropriate Dean.
6. Graduate level courses will not be transferred for undergraduate credit unless the Discipline Coordinator and the appropriate Dean have approved the courses for use in the student's undergraduate degree program.
7. Discipline courses offered in a professional degree program, such as nursing, nuclear medicine, or teacher certification, will not be accepted as degree credit until approved by the Discipline Coordinator and the appropriate Dean.
8. Credit for field experience, internship, or practicum may be transferred from a senior college or university if credit is approved by the Discipline Coordinator and the appropriate Dean. Since these credits are usually taken in the junior or senior year, credit for such courses will not be transferred from a two-year college.
9. Credit reflected on an incoming transcript for life experiences or from an evaluation of a "portfolio" will not be accepted in transfer by UIW.
10. Credit may be awarded for completion of educational programs conducted for business and industry. After matriculation, credit may be determined on an individual bases, based upon UIW equivalence, and upon American Council on Education credit recommendations. The student must petition for credit through the Registrar who confers with the appropriate discipline faculty and Dean. A maximum of 30 semester hours may be earned by professional certification or in combination with correspondence or credit by examination. A \$50.00 fee will be charged per course. After matriculation, students must obtain the Advisor and Dean's approval to transfer such credit to the University.

## II. UNDERGRADUATE ADMISSIONS

11. After matriculation at UIW, a maximum of 12 semester hours may be accepted through correspondence work. The discipline coordinator must approve courses taken by correspondence before the work begins. Enrollment in correspondence study during the student's final semester may change the date of graduation if work is not completed and a grade received by the Registrar's Office at UIW before the end of the semester during which the student anticipates graduating.
12. A maximum of 30 semester hours may be earned through non-resident instruction (through a combination of correspondence, professional certification, or credit by examination).
13. After matriculating at UIW, a student must obtain advance permission to enroll at any other college or university with the intent of transferring course credits to UIW for application toward degree requirements. Procedurally, if the course is offered at UIW, a request for enrollment for the same course at another institution will be denied.
14. All work completed at a two-year college will carry lower-division credit. In exceptional circumstances, a lower-level course may be substituted for an upper level course with the approval of the Discipline Coordinator and the appropriate Dean. A lower-level course substituted for an upper-level course will not count toward the advanced hour requirement for the degree (refer to Chapter 5, Degree Requirements, section A, policy #2).
15. Course work taken at St. Mary's University and Our Lady of the Lake University while enrolled at UIW will be treated as resident credit; however, work taken prior to matriculating at UIW will be treated the same as other transfer work.
16. In any case where a decision cannot be made using the above criteria, the Registrar's Office will determine the transfer of credit based on University policies and prior experience of that office.

### B. Credit From Non-Accredited Schools

Students transferring to UIW from an institution of higher education that is not accredited by one of the regional accrediting associations may validate the work taken at the institution by:

1. Successful completion of a departmental "Challenge Examination" or through a nationally approved subject examination.
2. Completion of 30 hours of residence credit at UIW with a GPA of 2.5. Students must apply to the Registrar for consideration of this option. Specific course credit will be approved by the Discipline Coordinator and appropriate Dean.

### C. Block Credit in Religious Studies

A student may receive up to 12 semester hours of credit for lower-level undergraduate religious studies by successfully completing a post-secondary program of religious education. The criteria are available from the Religious Studies Coordinator.

### D. Credits from International Schools

1. For consideration of transfer credit, official transcripts translated to English are required. Course descriptions or syllabi may be required to determine transfer acceptance or equivalence to UIW courses.
2. English credit will not be awarded for courses completed in non-English speaking countries. Students may take CLEP or departmental challenge examinations to validate these credits. Such courses may be considered for meeting the foreign language area of the degree plan and the hours for this area will be waived.
3. Credit from international sister institutions with which the University has documented articulation agreements will receive special consideration.

### E. Credit for Military Experience

1. Students who have completed a minimum of six months of active duty in the armed forces of the United States may receive academic credit for 2 semester hours of physical education. A student should provide the Registrar's Office with an official copy of form DD214.

The University of the Incarnate Word recognizes and accepts in transfer credit for military training courses. Some transfer work may not apply to degree requirements. An official military transcript must be sent to the Office of the Registrar for evaluation.

## Advanced Placement and Advanced Credit

See Credit by Examination (refer to Chapter 5, Credit by Examination, Certification, or Correspondence Policies).

## Admission to the Adult Degree Completion Program (ADCaP) and Virtual University

### Admission Requirements for Extended Academic Programs

To be eligible for this matriculation, students must meet the following criteria:

1. Students must typically\* be out of high school for at least five years. Students are not required to submit ACT or SAT test scores.
2. Students must have worked in a full-time job for a minimum of three years, in or outside of the home.
3. Students who desire Unconditional Admission must demonstrate a GPA of 2.5 or better in any previous college work. In order to judge this, students will be required to obtain "official transcripts" from all regionally accredited institutions previously attended.
4. Students can be considered for Conditional Admission with unofficial copies of their previous college work. Official copies must be received by the end of the second term of attendance.
5. Students with less than the expected 2.5 GPA may qualify for Conditional Admission.
6. Students may be considered for Non-Degree seeking status using the following criteria:

## II. UNDERGRADUATE ADMISSIONS

7. Students may be placed into Non-Degree seeking status prior to matriculation; provision of transcripts is not required. However, proof of high school graduation or GED must be supplied. Non-degree seekers within this category will be limited to enrollment in no more than three (3) undergraduate classes. Upon the completion of the third course, the student must either apply for admission or discontinue all attendance at the university.
8. Students may be admitted into Non-Degree seeking status if official transcripts are provided. Non-degree seekers within this category will be limited to the accumulation of no more than 24 undergraduate semester hours.
9. Students attending another home institution may be admitted into Non-Degree seeking (Transient) status by either supplying official transcripts or a letter of “good standing” from the Academic Dean or Registrar at the home institution.

These conditions and requirements of Conditional and Non-Degree seeking admission will be stated in the admissions letter. Students who do not meet all requirements in the time frame stated will be removed from eligibility to enroll

### EArmyU, GoArmyEd, NCPDLP, and AU-ABC Program

These online programs are delivered to active duty military personnel. In the event that a student is accepted into the Universe Online program, it will be stipulated by the University that the service member is the holder of a high school diploma/GED based on program requirements and assurances. Students in these programs are active duty military, so age restrictions will not always apply when they are demonstrated to be good candidates for the online learning environment. Students will be accepted for Non-Degree seeking status upon presentation to the Universe Online program. Students who are attending another host institution in the program are permitted to take courses at the university and are not required to submit a letter of “good standing” or official transcripts. Additionally, they are not limited to 24 semester hours, per institutional agreement with each program. Conditions for admission, both Conditional and Unconditional, are identical to those stated above.

### Joint Admissions Agreement with Alamo Community College District (ACCD)

This agreement will enhance the opportunities for baccalaureate degree completion for students enrolling at ACCD institutions. Qualified students applying for admission to Palo Alto, St. Philips, San Antonio, or Northwest Vista have the option of simultaneously enrolling in the University of the Incarnate Word. This agreement will facilitate transfer of community college credit to UIW and encourage students to complete their baccalaureate degree at the University. For more information contact the Office of Admissions. Students interested in being dual enrolled at San Antonio College and University of the Incarnate Word can also take courses at the Dual Enrollment Center located on 1621 N. Main. Contact (210) 223-5747 for further information.

## Admission of Veterans

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The University is approved to offer university work under the GI Bill and provides assistance and resources through the Center for Veterans Affairs. The mission of the Center for Veterans Affairs is to welcome and recognize all service members who are serving and who have served to protect the rights and freedoms of our country. The Center is here to assist the students attending UIW, in all programs, using educational benefits under Department of Veterans Affairs Educational Assistance Programs in the pursuit of their educational goals. The center is located at 3200 McCullough Avenue, on the campus of St. Anthony High School, just five minutes from the main UIW campus. You may reach the VA Coordinator at 210-829-2705.

## Admission of Military Personnel

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The University offers a degree completion program to meet the needs of military personnel provided admission requirements are met. The University grants credit for courses taken in military service schools and for USAFI, CLEP, and DAN TES.

The University of the Incarnate Word is a member institution of the Servicemembers Opportunity Colleges (SOC) and sponsors the Concurrent Admissions Program (ConAP) with the United States Army. The program grants early admission to qualified enlisted men and women to facilitate credit transfer and matriculation to the University following discharge. For more information, contact the Office of Admissions.

Requests for service school credit or examination credit must be documented by the following:

1. Evaluation of Service School Training Form (DD295 form).
2. Official transcripts from USAFI or DAN TES for tests and courses completed.
3. Transcripts showing the completion of service school courses.
4. Official report of scores on CLEP or GED examinations.

## Admission of International Students

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The University welcomes the applications of international students. An international student is a student who has citizenship in a country other than the United States. Although a rolling admission policy is in effect, it is recommended that students apply to the University no later than 60 days before the beginning of the semester the student plans to attend. Accordingly, international students must submit the following to the Office of Admissions (missing information may result in processing delays affecting admission):

1. A signed International Student Application. Application available online at [www.uiw.edu/admissions](http://www.uiw.edu/admissions). Do not send fax copies of application and documents.
2. A \$20 non-refundable application fee.



3. Educational documents - All official records of prior program of study (high school and university transcripts), translated to English. These records must include grades and/or scores received. For transcripts received by the University without English translations, the translation fee will be charged to the student. A list of evaluation agencies is available from the Office of Admissions. For consideration of transfer credit, course descriptions translated to English are required.
4. Scores from a recognized equivalent English language exam, such the Internet-Based Test of English as a Foreign Language, (IBT), with a minimum score of 79-80, or International English Language Testing System (IELTS) with a minimum score of 6.5, or scores from a recognized equivalent English language exam. Students who score below the required score, or arrive at the University without test scores must enroll in English as a Second Language (ESL) courses and remain enrolled in ESL courses until satisfactory score on UIW in-house TOEFL exam is achieved. Intensive ESL courses are taught by ELS Language Centers, a division of Berlitz International. Fees for ELS courses are not included in UIW tuition costs. Students whose first language is not English, even though not admitted as international students, may be required to test for English language proficiency and may be required to enroll in language remediation courses.
5. International Student Health Record Form and Immunization Record. Students will be required to carry health insurance issued by a United States carrier or purchase the University's insurance health plan.
6. Two letters of recommendation.
7. Visa information form.
8. Declaration of finances form.

## English as a Second Language

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International students whose English skills are insufficient to be admitted to regular university courses are required to take ESL courses (non-credit). ESL courses are taught by ELS Language Centers, a division of Berlitz International. Fees for ELS courses are non-tuition costs, and are not covered in UIW exchange agreements. All exchange students will be expected to pay out-of-pocket costs for ELS courses. Students from non-English speaking countries will receive a waiver from the foreign language core requirement. For further information, please contact the Registrar's Office.

## Admission of Exchange Students

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1. Completed and signed International Student Application.
2. A \$20 non-refundable application fee.
3. Official records of study (university transcript) from home institution, translated to English. For official records received at UIW without English translation, the translation fee will be charged to the student. A list of evaluation agencies is available from the Office of Admissions. Students from those universities with which UIW has sister school agreements may be exempt from this requirement.

4. Scores from a recognized equivalent English language exam, such the Internet-Based Test of English as a Foreign Language, (IBT), with a minimum score of 79-80, or International English Language Testing System (IELTS) with a minimum score of 6.5, or scores from a recognized equivalent English language exam. Students who score below minimum standards, or arrive at UIW without scores, will be required to take English as a Second Language (ESL) courses. ESL courses are taught by ELS Language Centers, a division of Berlitz International. Fees for ELS courses are no tuition costs, and are not covered in UIW exchange agreements. All exchange students will be expected to pay out-of-pocket costs for ESL classes. In some circumstances, this requirement may be waived.
5. International Student Health Record Form and Immunization Record. Students will be required to carry health insurance issued by a U.S. health carrier or purchase the University's health insurance plan.
6. Two letters of recommendation.
7. Visa Information Form.
8. Declaration of Finances Form.
9. Students seeking degree status are required to follow guidelines listed in the section for Admission of International Students.

## Early Admission for High School Students

Although most freshman applicants will not enter the University of the Incarnate Word until after high school graduation, the University will consider applications from well-qualified candidates who have not yet completed their high school program. Such students must show evidence of maturity and the ability to profit from University course work before graduating from high school.

Early entrance candidates must submit completed application and fee, an official high school transcript, SAT and/or ACT scores taken, and supporting letters of recommendation from the student's guidance counselor and/or principal. Approval from the student's high school and University faculty is required to be admitted and enrolled under this program.

## Admission for Home Schooled Students

Applicants who are home schooled are required to submit a copy of their home school curriculum, SAT or ACT exam scores, and a letter of explanation regarding home school environment. An interview, letters of recommendation, and assessment testing may be required in some circumstances.

## Senior Connection

In this program, selected high school seniors may earn 12 to 18 hours of college credit while completing the requirements for high school graduation. The program grants dual credit for courses that have counterparts at the high school level. Students are eligible for any course available to an entering University freshman. As in the case of other University students, exceptions to prerequisites are handled on an individual basis. All Senior Connection courses are taught by the University of the Incarnate Word faculty with the same syllabus, same

textbook, and same rigor as any other section taught on the campus. Senior Connection courses are open to any University of the Incarnate Word student for whom the scheduled time is more appropriate than other sections of the same course. Senior Connection students must have the approval of both high school administration and their University advisor before registering for courses. As with other University of the Incarnate Word courses, some Senior Connection courses utilize facilities of St. Anthony Catholic High School during day hours.

### Admission of Non-Degree Seeking Students

Students not wishing to receive a degree from the University of the Incarnate Word and who have not completed a bachelor's degree may be admitted to the University based on the same requirements as a degree-seeking student. Consult the bulletin under the sections 'Admission of New Freshmen' and/or 'Admission of Transfer Students' to determine applicable admissions requirements. The applicant, if accepted, would matriculate as an undergraduate non-degree-seeking student.

A degree-seeking student in another University may, upon authorization by the institution, enroll in approved courses at the University of the Incarnate Word as a transient student without submitting an official transcript. A letter of good standing or a letter of permission from the home institution's Academic Dean or Registrar may be submitted in place of the transcript. An application for admission must also be on file in the Office of Admissions.

A student may accumulate no more than 24 semester hours under the non-degree seeking status without special clearance from the Registrar. Approved international exchange students may petition to accumulate hours beyond the 24-hour limit.

### Admission of Post-Baccalaureate/Post-Master's Students

A student who holds a degree from an accredited college or university may take additional courses. An official transcript from the institution from which the degree was received should be submitted, as well as an application for admission to the University. Post-baccalaureate/post-master's students may accumulate no more than 24 undergraduate hours without special clearance. In addition, they may take no more than 9 hours at the graduate level without being admitted to a graduate degree program.

### Re-Admission to the University

University of the Incarnate Word students who have been absent from the University for one full academic semester (Fall/Spring) or more must apply for re-admission to the University. This no-fee application is available through the Office of the Dean of Student Success. Official transcripts of all coursework completed while absent from the University must be submitted prior to re-admission.

Students who left the University on academic probation or enforced withdrawal are advised to show evidence of positive life change and/or academic

progress in support of the application in addition to the requirements listed in the prior paragraph. All such decisions are referred to the Dean of Student Success.

### Admission of Graduate Students

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See Graduate Bulletin.

### Appeal of an Admissions Denial

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Applicants denied admission to the University may appeal the decision by completing the appeal process form available at the Office of Admissions and on the university's website. The form should specify the reason(s) for the appeal, and relevant new information (updated GPA, increased rank, letters of recommendation, new SAT/ACT scores, etc.) should be include.

Appeals will be review by the Dean of Enrollment in collaboration with the Director of the University Advising Center and/or Vice-President for Academic and Student Affairs, and the Vice-President for Administration.

### Permission to Audit

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Persons who have not been admitted to the University may apply for permission to audit a course without credit. Courses audited are not applicable towards a degree, and permission to audit does not constitute admission to the University. For further information on auditing a course, contact the Registrar's Office.

### Immunization Requirements

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In compliance with Section 97.63 of the Texas Administrative Code, all full-time students at the University must provide proof of immunization for measles, mumps, and rubella (MMR 1 and 2), and a Tetanus/Diphtheria (TD) booster received within the last 10 years during their first semester of enrollment. Lacking such verification, students should obtain the required immunizations from their private physician or through their local Public Health Department.

It is recommended but not required for any undergraduate less than 25 who wish as to reduce their risk of meningococcal disease to consider vaccination. Freshmen should consider the meningitis vaccination preferably at entry into college and if they are going to live in dormitories or residence halls.

Students enrolled in Health Care majors, which will involve direct patient contact (Nursing, Nutrition, and Nuclear Medicine) are subject to more stringent immunization requirements prior to being admitted to clinical settings. For further information, contact Health Services at (210) 829-6017.

### *III. Financial Information*

Tuition and Financial Regulations .....	37
Tuition.....	37
Housing.....	38
Residence Halls and Dining Service .....	38
Tuition Discounts.....	38
Payments.....	40
Payment Policy .....	41
Account Statements and Disputes .....	42
Returned Items/Insufficient Funds.....	42
Student Health Insurance .....	42
Parking .....	43
Financial Aid Policies and Billing Practices .....	44
Withdrawals and Refunds .....	44
Appeals to Refund Policy .....	45
Funds Not Yet Received at the Time of Withdrawal .....	46
Financial Assistance.....	47
Types of Assistance Available .....	47
Satisfactory Academic Progress.....	47
Review Policy .....	49
Financial Aid Termination .....	49
Conditions for Reinstatement.....	49
Veteran's Benefits .....	50

### *Tuition and Financial Regulations*

The University of the Incarnate Word is an independent institution and receives no direct support from state or federal taxes. Subsequently, all of the instructional and operating costs of the University are paid by student tuition. The difference between such costs and the amount paid by the student is subsidized by income from endowment, grants for special projects, and gifts from alumni and other friends who recognize the value of our educational program.

The University endeavors to arrange loans, discounts, grants-in-aid, employment, and scholarships to enable students to continue in an academic program.

#### **Tuition**

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Tuition, fees, and other charges vary from year to year. The exact rates are printed in the Schedule of Courses each semester. They may also be obtained from the Admissions or Business Offices. A non-refundable confirmation fee will be assessed to all new full-time students and full-time re-admitted students.

## Housing

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A one-time housing deposit of \$225 is required upon submission of the housing application. The deposit will be returned to the student from the Business Office when the student makes a proper checkout from the Residence Halls. The deposit will remain on their account with the Business Office as long as they are a resident in the Residence Halls. Residents are responsible for damages that occur in their residence. A \$500 cancellation fee and loss of deposit will be assessed if a resident breaks their housing contract during the contract period.

## Residence Halls and Dining Service

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Students are provided the following options for Campus Housing: Residence Halls include triple, double, and single rooms; Village of Avoca, provides two bedroom, four person apartment units; ICC II offers apartment style housing units, which, provides single and double rooms. Units in ICC II can accommodate four to six residents. The New Residence Hall (Hillside) will provide two floors of single rooms with private baths and one floor of double rooms with private baths.

Food service plans are required for all students residing on campus. Residents are required to purchase meal plans each semester including summer sessions. The meal plan does roll over from fall to spring if there is a balance, but remaining balances are forfeited after the Spring Semester. Food service is provided at four facilities on campus, which include the Marian Hall Food Court, Hortencia's, Finnegan's, and Java on the Hill.

## Tuition Discounts

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Tuition discounts are available for part-time/full-time undergraduate or graduate students who qualify for such discounts such as the Active Duty Military and their dependents, Civilian Department of Defense Employees (no dependents), Retired Military (no dependents), UIW/SAHS/IWHS Employees and their dependents, and University Senior Preparatory Program.

Military & Civilian Department of Defense discounts apply to any student enrolled with the Main Campus. Those students eligible are active duty military with or without a Tuition Assistance Form and their dependents, civilian Department of Defense employees (no dependents), and retired military (no dependents). Extended Academic Programs applies only to active duty military (no dependents) with the exception of Virtual University graduate students. Those students receive the same percentage as a main campus graduate student. The discount will be applied to tuition only and any other fees associated with enrollment will be the responsibility of the student. Discounts are not applicable to students for whom 100% tuition is paid by any third party payor. Discounts may be reversed if payment is received after discount(s) are applied. The Business Office and Office of Financial Assistance determine eligibility. Refer to the University Payment Policy located under the Tuition and Financial Regulations. Discounts may vary between University programs (Main Campus, ADCaP, or Virtual University).

## TUITION AND FINANCIAL REGULATIONS

It is the responsibility of the student to present their valid identification or current military identification along with any Tuition Assistance Forms to the Business Office within the specified dated as published by the University course schedule. Those courses pertaining to ADCaP, Virtual University and mini semesters have ten days from the first day of classes to submit a valid identification, application and/or TA form(s) to qualify for the discount.

Tuition discounts are available for any individual who is employed at the University of the Incarnate Word, Incarnate Word High School or St. Anthony Catholic High School on a regular, full-time employment agreement (for at least 75% of the time) as faculty, administrator, or staff. Employees may receive tuition remission for themselves for undergraduate and/or graduate classes taken at UIW per the guidelines listed in the UIW/IWHS/SACHS Administrator/Staff Guidelines & Faculty Handbook. Employee tuition waiver forms are available through the Human Resources Office. According to the Administrative/Staff Guidelines, the deadline for submission of Employee Tuition Waiver forms is 14 calendar days after the last day to add a course for the term. For further information, please contact the Human Resources Office at 829-6019. The discount will be applied to tuition only and any other fees associated with enrollment will be the responsibility of the student. Refer to the University Payment Policy located under the Tuition and Financial Regulations.

University Preparatory Program discounts applies to Junior and Senior Incarnate Word High School (IWHS) and St. Anthony Catholic High School (SACHS) students. The direct cost to all participants in the High School/University Program varies according to the number of hours for which the student is enrolled at the University of the Incarnate Word. Students selected for this program from IWHS/SACHS will receive an Academic Scholarship resulting in a percentage reduction in University tuition. In addition, they will receive a percentage discount on their high school tuition for each three (3) hour course they take at the University each semester. Discount applies to part-time status 1-9 hours, no discounts will be granted for a full-time status 12+ hours (Banded Tuition). The discount will be applied to tuition only and any other fees associated with enrollment will be the responsibility of the student. For further information, please contact the respective High School Business Office (IWHS (210) 829-3115 or SACHS (210) 832-5639). Refer to the University Payment Policy located under the Tuition and Financial Regulations.

It is the responsibility of the student to apply for tuition discounts. The student and his/her family must apply using the appropriate application form(s) and provide all necessary information to complete each application (i.e., valid identification(s), tuition assistance form(s)) to receive consideration for these discounts. Applications for these tuition discounts should be submitted to the respective departments or the Business Office according to the deadlines posted in each respective Semester Schedule of Classes. No discounts will be applied after the deadline indicated in the Semester Schedule of Classes. All discounts will be evaluated and assessed to the student account after the last day to add and drop a course for the respective term or within stated deadline outlined in the published Schedule of Classes. In order to continue receiving the discount, the student is responsible for submitting a new application and required information to complete the application each session (fall, spring, summer). Prospective

students may call the Business Office at (210) 829-6043 if they need appropriate forms or more information.

\*Any student pursuing a doctorate (PhD) is not eligible for these discounts, regardless if enrolled in a graduate level course.

Your student financial assistance award may be adjusted without notice due to receiving such discount(s).

All discounts are subject to change without notice.

## Auditing Courses

Auditing courses are available to non-student, part-time or full-time students. Auditors that are \*non-students or are enrolled in a part-time status pay 50% of regular tuition for lecture courses and any associated course fees; however, full tuition is charged for limited enrollment, private instruction and studio courses.

\*Audit courses follow the Last day for 100% Refund for any Undergraduate and Graduate courses. Deadlines may be found in the Main Campus Schedule of Classes (See Academic Calendar) or from the respective program administrator (i.e., Adcap or Virtual University).

Full-time students may audit one lecture course (3-4 hours) per session (fall, spring, summer) at no cost. Any course fees associated with this enrollment will be the responsibility of the student.

Students are allowed to combine their total number of hours within a respective session to determine their full-time status. Undergraduates on the Main Campus are consider full-time with 12 + enrolled hours, a Graduate and Doctoral student on the Main Campus is considered a full-time status at 9 + hours. Full-time doctoral status changes when doctoral student is in dissertation writing phase and/or enrolled 3 + hours. If a full-time student falls under banded tuition and, with the audit class, does not exceed a total of 18 hours, no discount will be granted.

\*Students enrolled in our ADCaP program will be allowed to audit courses within that program. Audit discounts are not applicable to Virtual University courses.

The deadline for changing enrollment in a course from graded to audit status is printed in the Academic Calendar located in the University Course Schedule.

## Payments

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Payment Options: Other than Financial Assistance and Work-Study programs, the University accepts cash, checks, and credit cards for payment of tuition and fees.



1. Cash, check and credit card payments for the payment of tuition and fees are accepted at the Business Office, Monday through Thursday 8 a.m. to 6 p.m. and Friday 8 a.m. to 5 p.m. Payments sent via mail should be forwarded to: UIW Business Office, 4301 Broadway CPO# 291, San Antonio, Texas 78209. All checks must include the student's name, student ID, and specific term to insure proper credit to account.
2. Drop Box located next to room 190 in the Administration Building
3. The following credit cards are accepted: Master Card, Visa, American Express and Discover. Credit card payments are accepted over the telephone at (210) 829-6043, choose Option #5 on our telephone menu.
4. Secured Web payments for tuition and fees are accepted with your UIW PIN, personal identification number. If you have already been issued a PIN, you may use this same number to gain access to this screen. For those students with no PIN, contact the Registrar's Office at 829-6006. Log on to: <http://www.uiwtx.edu/banner-self-service>.
5. The University offers students a Tuition Payment Plan. The student can divide their charges into installments. It is the responsibility of the student to enroll in a payment plan each semester. Failure to remit these payments may result in withholding of credits, transcripts, diplomas, and a late payment fee each month for not submitting tuition payments as agreed. However, this will not exempt students from liability for those charges. Enrollment into this plan may include an application fee.

To enroll in the deferred payment plan or if you need additional information, please come by the Business Office or call (210) 829-6043.

## Payment Policy

1. Registration for an academic term is not complete until full payment for the current and /or prior terms has been made, or until a student has entered into a payment plan with the University (see above for enrollment information). Payment arrangements must be finalized by the eighth calendar day from the first class day to the semester. Students may have their registration cancelled at that time if payment arrangements have not been completed.
2. All international students are required to pay the full semester's tuition and fees upon registering each semester. International students will not be allowed to enroll in a payment plan.
3. **ALL FEES ARE SUBJECT TO CHANGE WITHOUT NOTICE.**
4. Students who have not met their total financial obligations to the University may not be permitted to enroll for a subsequent academic term and current registration is subject to cancellation.
5. Withdrawal without proper notice entails failure in all courses for the semester and the student is held liable for the full payment of tuition, fees and other charges.
6. Students must pay their financial obligation in full to the University to have diplomas and transcripts released. In addition, if payment is not made in full, students may be prohibited from participating in the graduation ceremony.

7. The student agrees to assume liability for any debt incurred during his/her attendance at the University. In the event of a delinquency or default, the student will pay all reasonable costs of collection including but not limited to attorney fees and necessary court costs.

## Account Statements and Disputes

The University will send each student a statement of the student account on a monthly basis. The statement will serve as a full accounting of the student account activity for the period. Each student must review the statement promptly and notify the Business Office immediately at the telephone number or address provided on the statement of any errors or omissions in the statement. If any student does not receive a statement when it is due, the student should notify the Business Office promptly. Students are responsible to provide the University with the most current address and telephone number.

Any student must report any disputed items to the Business Office within 60 days after the disputed items appears on the student's statement. If the student fails to report a disputed item, he/she may not claim any liability on the part of the University in connection with the University handling of the item (items) in dispute. Before the University will consider making a refund or credit to the student because of a claimed discrepancy, the student must give the University a written statement containing any reasonable information the University may require (i.e. name, student ID, term, and discrepancy).

## Returned Items/Insufficient Funds

When the bank for whatever reason returns a check, a nonrefundable returned check service charge is assessed. The student is given ten days from the date of notice to make full payment by cash, money order, or cashier's check. Once the student has had returned checks, the University reserves the right not to accept any personal checks from the student for future payments. Returned checks not paid will be submitted for collections.

## Student Health Insurance

All full-time domestic students (Full-time constitutes 12+ hours for undergraduates, 9+ hours for graduates and \*doctoral students) and all international students (eligibility is based on Admission status) are required to participate in the student accident and sickness insurance plan. Only domestic students are allowed to waive insurance when proof of existing personal domestic coverage is presented and a waiver is completed (Contact Business Office regarding waiver information). This plan protects students 24 hours a day, whether at home, school or while traveling. The insurance plan is also available for dependents. This coverage is in effect during the interim vacation periods. Participation in intercollegiate athletics is not covered. Brochures that describe student health insurance cost and coverage details are available in the Office of Health Services, by logging on to: <http://www.uiw.edu/health/hinsurance.html>. Insurance must be waived on or before the stated waiver deadline posted in the Academic Calendar found in this University Course Schedule.

\*Full-time doctoral status changes when student is in dissertation writing phase and/or 3 + hours (Doctoral students are not automatically charged in this status and must request and pay for insurance coverage after enrollment.)

Note: Insurance is automatically assessed against the majority of student's account. The charges will not be removed unless a waiver and proof of insurance is provided to the Business Office within the waiver deadline.

If charges do not appear on your student statement it reflects, no insurance premium has been submitted on your behalf. Application and full payment for dependent coverage is due the day of purchase. Eligibility of insurance is determined by insurance company.

Students currently enrolled in any University term(s) can purchase UIW students insurance for themselves and their \*dependents at anytime from the Business Office during the academic school year.

*\*Individual student insurance must be purchased prior to availability for dependent coverage.*

## Parking

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All automobiles or motorcycles parked on campus must be registered with the Business Office.

To park on campus, students must pay a parking fee that entitles them to obtain and display a parking decal. Parking fees are automatically assessed to a student's account. Since parking decals are issued annually, and in the event that you are not parking your vehicle on campus for a respective term, you may be granted a parking waiver by returning the issued decal by the published parking waiver deadline. Part-time and graduate students will be assessed a fee dependent upon the number of semester hours they are taking any given semester. The fee will be based on a rate of \$13 per credit hour for part-time and graduate students. A lost or stolen permit can be replaced at the Business Office. The fee for a replacement permit is the full-time charge for the respective semester. Failure to exhibit a decal will be cause for ticketing. Incarnate Word High School and St. Anthony Catholic High School decals are valid parking credentials at the University. Parking regulations will be strictly enforced. Violators will be ticketed and charged. A repeat violation will result in the towing of the vehicle at the owner's expense. For questions about specific charges or refunds, contact the Business Office at (210) 829-6043.

### How To Obtain a Parking Decal

- The student must submit his/her application online at [https://bannerweb.uiwtx.edu/prod/twbkwbis.P\\_WWWLogin](https://bannerweb.uiwtx.edu/prod/twbkwbis.P_WWWLogin).
- \* The following applies for individuals with a disability placard:
  - Present your original letter issued by the state or your disability placard (decal);
  - A valid driver's license;
  - A current copy of your vehicle registration

\* These Students or Employees must still register the vehicle and pick up a UIW Disability Decal at the Business Office.

For questions about specific charges or refunds, contact the Business Office at (210) 829-6043 or visit our Business Office Web Page by logging on to: <http://www.uiw.edu> and clicking onto link Business Office.

## Financial Aid Policies and Billing Practices

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It is the responsibility of the student to apply for financial aid every award year. The University does not arrange financial aid for the student. It is the student and his/her family who must apply using the appropriate form(s) to receive consideration for financial aid, whether offered by a federal agency or a lending institution. Applications for financial assistance should normally be submitted by the student prior to the April 1 priority deadline for the coming school year in order to ensure availability of funds. Prospective students may call the Office of Financial Assistance if they need appropriate forms or more information.

The aid package you receive is based on information currently on file with the Office of Financial Assistance. If any of the following occurs, your aid package will be revised and/or nullified:

- a. Change or reduce semester hours
- b. Drop housing status and/or meal plan
- c. Receive grants, scholarships, or other aid from any source not on file with the Office of Financial Assistance
- d. Not maintaining Satisfactory Academic Progress as defined by Federal Financial Aid regulations. See the Office of Financial Assistance or log on to [www.uiw.edu](http://www.uiw.edu) and go to the financial assistance web page for more details.

Please check with the Office of Financial Assistance about the impact of these or other changes as they might have a serious impact on the aid you receive.

## Withdrawals and Refunds

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Refunds will be determined after the 100% drop date has ended, after funds are disbursed to your account, or 14 days after the first day of class for the current semester, whichever is later. All refunds are mailed to the primary residence address on file, or the student may sign up for direct deposit (eRefund) through the Business Office.

A student's withdrawal from the University will be considered as occurring the day he or she submits a completed official withdrawal form to the Dean of Student Success (undergraduate students) or the Graduate Studies and Research Office (graduate students).. Forms for adding or dropping courses are available in the Registrar's Office or on-line. Notice to an instructor or any other office does not cancel registration or a student's contract with the Business Office.

WITHDRAWAL WITHOUT PROPER NOTICE ENTAILS FAILURE IN ALL COURSES FOR THE SEMESTER AND LIABILITY FOR FULL PAYMENT OF ALL TUITION, FEES, AND OTHER CHARGES.

Depending upon a student's financial assistance status, one of the following two categories of refund policies will apply:

- I. Non-title IV Student-Students not receiving any federal financial aid.
- II. Title IV Student-Students attending and receiving federal financial aid.  
Students will be refunded tuition and fee charges based on the percentages outlined in the Semester Schedule of Courses. If students have received federal aid during the semester and withdraw from all courses within the first 60% of calendar days of the semester, the Office of Financial Assistance will return the unused portion of federal aid funds disbursed based on the guidelines established by the Department of Education.

Please see the Semester Schedule of Courses for the specific withdrawal dates for each individual semester and their percentages. There is a refund schedule for Non-Title IV recipients and Title IV recipients.

Meal Plans: The unused portion of a meal plan purchased in the summer and fall term may be used in the following spring term. Unused meal points at the end of the spring semester are forfeited and not refundable. Meal plans are not transferable. When a resident student withdraws from the University, the lesser of the unused portion or prorated amount of the meal plan will be credited to the student's account.

Examples of refund calculations are available in the Business Office.

## Appeals to Refund Policy

Contact the Business Office for exceptions to the withdrawal and refund policy due to medical or other extenuating circumstances.

## Return of Title IV Funds

As a requirement set forth by the Department of Education, the Office of Financial Assistance is required to return a percentage of Federal Financial Aid that was disbursed to students who have completely withdrawn from UIW or have stopped attending all classes (unofficial withdrawal). The amount of aid returned is determined by the following formula:

Number of days attended / Total days in the semester = % of aid "earned".

Any aid above and beyond this amount must be returned to its source. Additionally, if you receive a partial or full refund of tuition and fees, any State or Institutional grants must be reduced by the percentage of refund you received. Please call the office of Financial Assistance at (210) 829-6008 if you have any questions about the effect of a withdrawal on your financial aid.

Please remember that withdrawals affect your future status of Satisfactory Academic Progress. For more information about Satisfactory Academic Progress, please see <http://www.uiw.edu/finaid/finaideligibility.html>.

**The amounts owed for a Title IV return will be refunded to their sources in the following order:**

Unsubsidized Federal Stafford Loans  
Subsidized Federal Stafford Loans  
Unsubsidized Direct Stafford Loans  
Subsidized Direct Stafford Loans  
Federal Perkins Loans  
Direct PLUS loan for Graduate Students  
Federal Parent PLUS Loans  
Direct Parent PLUS Loans  
Federal PELL Grants  
Federal Academic Competitiveness Grant  
Federal National SMART Grant  
Federal SEOG Grants  
Federal TEACH Grants  
State, Private and Institutional Aid  
Student Payments  
Parent Payments

A student that withdraws and has received financial assistance must complete an exit counseling session. A student can fulfill this requirement by logging on to [www.mapping-your-future.org](http://www.mapping-your-future.org) or visiting the Office of Financial Assistance for a counseling interview.

In addition, if students received an institutional loan such as Perkins, Ralston, Nursing, or Faculty Nursing and are not planning on attending the forthcoming semester or are planning to graduate, these students are required to complete an electronic exit interview. Please call the Business Office at (210) 829-6084 if you have any questions.

Late Disbursement of Federal Loans and Grants, Private or State Financial Aid:

The Office of Financial Assistance will determine the amounts to be credited to the student's account prior to the refund calculation based on federal or state regulations or private source regulations.

## **Funds Not Yet Received at the Time of Withdrawal**

If a student withdraws before federal funds are received and/or disbursed, the Office of Financial Assistance will determine the amount(s) to be returned according to each funding source guideline. The Office of Financial Assistance will notify the student and the Business Office of any changes.

A student receiving financial assistance should meet with a financial aid counselor before withdrawing or reducing hours to determine the impact on the student's award.

## Financial Assistance

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The University of the Incarnate Word Office of Financial Assistance has a proven history of making the University experience accessible for students of all economic backgrounds. Students selecting our small class environment, personalized instruction, and quality academic programs are making a lifetime investment. The University is committed to helping students fund their decision to attend the University of the Incarnate Word through grants, scholarships, work opportunities, and loan assistance.

The primary purpose of student financial assistance is to provide resources to students who would otherwise be unable to pursue a post-secondary education. Financial assistance programs are designed to supplement a family's efforts to meet educational costs. The financial assistance philosophy at the University is to meet the direct costs or financial need of all eligible students until funds are exhausted.

To be considered for most types of financial assistance at the University of the Incarnate Word, students must complete their financial assistance file each year. A completed file includes a Free Application for Federal Student Aid (FAFSA), a UIW Student Information Form and any other documents required by the federal or state government. A student must also be accepted by the University and enrolled in a degree-seeking program. (NOTE: Gift assistance is NOT available to second-degree seeking students.) In most cases, only students who are citizens or eligible non-citizens can apply for financial assistance.

Students applying for financial assistance are considered for all programs for which they are eligible, including federal, state, and institutional programs. Financial assistance is awarded on a first come, first serve basis. Therefore, it is important to begin the application process as early as possible. Copies of the FAFSA and the UIW Student Information Form may be obtained from the Office of Financial Assistance. (NOTE: There is an April 1 priority deadline every year for early awarding when gift funds are at their optimal level.)

## Types of Assistance Available

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See the Office of Financial Assistance or refer to the Financial Assistance Page on the University website at [www.uiw.edu/finaid](http://www.uiw.edu/finaid) for specific information concerning all financial assistance programs offered at the University.

## Satisfactory Academic Progress

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The Higher Education Amendment of 1965, as amended, mandates institutions of higher education to establish minimum standards of "Satisfactory Academic Progress" for students receiving financial aid. UIW makes its standard applicable to all federal, state, and institutional financial assistance programs for the purpose of maintaining a consistent policy for all students receiving financial aid.

To make Satisfactory Academic Progress (SAP), students must meet all of the following standards:

#### Academic Standards

Students must maintain a cumulative GPA minimum requirement at the end of each academic year for all credit hours attempted at UIW (Undergraduates 2.0; Graduate students 3.0). If the cumulative GPA drops below the minimum requirement, the student will no longer be eligible for financial aid.

#### Maximum Time Frames

The number of credit hours a student attempts may not exceed 125% of the number of credit hours required for graduation in his or her program of study, as published in the University Bulletin.

That is, if the published number of hours required for graduation is 128, a student may not attempt more than 160 credit hours ( $128 \times 1.25 = 160$ ) and continue to receive financial aid. All periods of enrollment must be considered, even those for which the student did not receive financial aid, as well as hours transferred in from another school. If the number of attempted hours reaches 125% of the hours required for graduation, the student will no longer be eligible for financial aid.

Attempted hours include all registered hours per semester whether or not the student earns a grade or receives credit. The following are considered hours attempted, but not completed:

- “F” grades for undergraduate students
- “D” or “F” grades for graduate students
  - a. “AU” Audited courses
  - b. “W,” or “IP” grades

Completed hours include all semester hours for which the student earns a grade:

- a. “A” through “D” grades for undergraduate students
- b. “A” through “C” grades for graduate students
- c. “P” passing with credit
- d. All transfer hours accepted for credit

#### Enrollment Status

During the academic year (Fall and Spring) a student who receives financial aid must successfully complete a minimum of 75% of all attempted coursework. If the number of completed hours drops below 75% of attempted hours, the student will no longer be eligible for financial aid.

#### Examples:

- a. If a student attempts (registers for) 30 credit hours in an academic year, he or she must complete a minimum of 22 credit hours ( $75\% \times 30 = 22.5 = 22$ ) in order to make SAP for the year. NOTE: All partial credit hours will be rounded down to the nearest hour.



- b. If a student attempts 36 credit hours, he or she must complete a minimum of 27 credit hours ( $75\% \times 36 = 27$ ) to be making SAP.
- c. If at the end of the second year a student has attempted 60 credit hours, he or she must have completed a minimum of 45 credit hours ( $75\% \times 60 = 45$ ) to be making SAP.

## Review Policy

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At the end of each Academic Year (Spring semester), the Office of Financial Assistance will review the progress of each financial aid recipient for SAP. Students will be reviewed to ensure that they are meeting the following criteria:

1. Cumulative GPA of 2.0 or higher (undergraduates) or, cumulative GPA of 3.0 or higher (graduate students).
2. Successful completion of at least 75% of all attempted coursework for all periods of enrollment (cumulative) even those for which the student did not receive financial aid.
3. Total attempted hours does not exceed 125% of the published length of the program of study.

## Financial Aid Termination

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In the event that the student does not meet the requirements for SAP, he or she will be placed on Financial Aid Termination. This means that the student will not be eligible for any type of federal, state, or institutional aid until he or she has returned to Satisfactory Academic Progress.

## Conditions for Reinstatement

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Students whose eligibility for financial aid has been terminated may appeal the decision in writing to the Director of Financial Assistance if they believe that they had extenuating circumstances which led to their unsatisfactory progress. The director will notify the student in writing of the decision.

Appeals for the reinstatement of financial aid eligibility must include:

1. The student must complete the Termination Form available in the Office of Financial Assistance.
2. A letter from the student documenting the extenuating circumstances; for example, personal illness, medical problems, or death in the family. This letter should provide a detailed explanation of the situation. If the student has exceeded the maximum time frame and is appealing based on a change of major, he or she should state the reason for the change and submit a new program of study or degree plan which indicates the number of hours remaining to be taken in the new major. The student must also provide a statement from his or her academic advisor indicating the number of credit hours from the previous major that will apply to the new major. This information can be included on the Termination Review Form.

Students who have been placed on Financial Aid Termination because they do not meet the GPA or Enrollment Status requirement may do the following if they decide not to appeal, or if their appeal is not approved:

1. Students may attend UIW during a semester or summer term without financial assistance.
2. Apply for various alternative loan programs available to help meet the costs of tuition.

## Veteran's Benefits

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Degree programs described in this bulletin have been approved for benefits under the various laws commonly referred to as the GI Bill, and other VA Educational Benefits. Eligible veterans and dependents should contact the VA Coordinator, located at 3200 McCullough, on the campus of St. Anthony High School, for assistance in following established degree programs that will meet VA requirements. The VA Coordinator provides the required forms and information regarding educational benefits which may be available for veterans and/or their dependents. Benefits are paid directly to the student.

Students who obtain VA Educational Benefits are responsible for understanding the policies set by the VA regulations, which are monitored both by the VA and the Texas Veterans Commission, and for notifying the VA Coordinator of changes to their enrollment status. The VA Coordinator serves as a liaison between the VA and those students of the University of the Incarnate Word participating in a VA educational program. Because UIW is a private institution we do not participate in the Hazelwood Act, a VA program which may only be used in a public university.

## Certification Procedures

Official transcripts of all previous university credits must be on file and evaluated toward a specific degree objective before the enrollment can be certified. Only courses that are required for the selected degree objective will be certified for benefits. All students applying for veteran's benefits must complete the University of the Incarnate Word request form for VA enrollment certification each semester. This form may be obtained from the VA Coordinator. Enrollment will be certified following registration for each semester. After initially registering for courses, it is the student's responsibility to notify the VA Coordinator of any subsequent change in registration.

## Standards of Progress for Receipt of Veteran's Benefits

Veteran's regulations require that a student receiving veteran's educational benefits select an approved degree program and make satisfactory progress toward completion of that program or risk the possible suspension of benefits. Veterans must maintain Satisfactory Academic Progress according to the policies of the University of the Incarnate Word. When a student fails to maintain prescribed standards of progress, we will notify the Veteran's Administration and they may discontinue benefits payments. In general, a cumulative 2.0 GPA is required for graduation. Veterans who earn a cumulative GPA of less than a 2.00 will be placed on probation and given one semester to achieve the 2.00 requirement. Failure to obtain a cumulative 2.0 GPA at the end of the probationary semester will usually result in suspension of benefits.

## *IV. Student Life Services and Programs*

Student Identification Cards.....	51
Learning Assistance Center: Tutoring and Testing.....	52
Campus Ministry.....	52
The Counseling Service .....	52
Student Disability Services .....	52
Student Success Program.....	53
Health Services .....	53
Office of Career Education and Services .....	54
Student Housing.....	54
The Student Center and Leadership Activities.....	55
Food Service .....	55
Intercollegiate Athletics .....	56
Intramural Activities .....	56
Student Complaint Policy .....	56
Additional Resources .....	58
Student Conduct and Discipline.....	59

The commitment made by the University to the education of the individual includes the development of the whole person. The administration, faculty, and staff recognize that the student is not merely a recipient of knowledge, but a developing individual preparing for a larger role in society beyond the University experience. To this end, the University provides a variety of services and programs that are designed to assist the individual in the process of development and to enable the student to make the best possible use of the University experience.

### Student Identification Cards

Each enrolled student is provided with an official University Identification Card enabling the student to attend University functions and utilize University facilities and services. ID cards can be used to purchase food on campus, check out books from the library, and gain entry into the residence halls, Wellness Center, Natatorium, athletic events, and theatre performances. The first ID is free and is available in the Campus Life Office. All entering first-year and transfer students have an opportunity to receive an ID card during Orientation. At the request of a University official, students are required to present this card as evidence of student status at UIW. Failure to present an ID could result in disciplinary action. Lost, misplaced, or missing ID cards should be reported to the Campus Life Office. There is a charge to replace a lost ID card. Delay in reporting a lost ID card could result in misuse of your card. The University ID card is nontransferable. Alterations to the card, false representation in obtaining and/or using the card are forbidden. Misuse may result in forfeiture of the card and disciplinary action, up to and including suspension from the University.

## Learning Assistance Center: Tutoring and Testing

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The Learning Assistance Center (LAC) serves the dual functions of providing both tutoring and testing to the University's students as well as the community at large. Our goal is to serve those who come to the LAC with respect, compassion, professionalism and the utmost level of confidentiality. LAC services are provided by appointment to afford those we serve with the optimum learning and testing conditions. Tutoring services include individual, group, and in-class assistance in various subjects as well as Conversation Hour for those wishing to improve their English in a relaxed and inviting setting. Testing services include administering CLEP, DANTES, Computer Literacy, HESI make-up, long-distance and several national entrance and certification exams. For tutoring appointments and information please call (210) 829-3870. For testing appointments and information please call (210) 829-3876. Visit our website at [www.uiw.edu/lac](http://www.uiw.edu/lac).

## Campus Ministry

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The University of the Incarnate Word, rooted in the Roman Catholic tradition, is committed to encouraging the personal faith life of all its members and affirms the spirituality of its students, faculty, and staff members of varying religious backgrounds and persuasions. Campus ministers and student peer ministers form a searching, believing, loving, worshipping presence on campus so that intellectual, moral, and spiritual growth can flourish. The UIW community fosters initiative and participation in the areas of spiritual development, self-realization, worship, ethics, social justice, and Christian service.

## The Counseling Service

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The services offered by the Counseling Center are designed to provide assistance in resolving problems encountered by students as they seek to grow intellectually, emotionally, and socially. It is the Center's philosophy that each person should be encouraged and given the opportunity to take responsibility for his/her own decision-making process and lifestyle. The Counseling Center staff facilitates this process in an environment of understanding and confidentiality through personal and educational counseling. The staff is also available to provide a variety of small group workshops.

## Student Disability Services

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The University of the Incarnate Word is committed to providing a supportive, challenging, diverse and integrated environment of all students. In accordance with Section 504 of the Rehabilitation Act – Subpart E and Title III of the Americans with Disabilities Act, the University ensures accessibility to its programs, services and activities for qualified students with documented disabilities. This is accomplished through a variety of accommodations and services tailored to meet each student's needs and strengths. To qualify for services, the student must provide the Office of Student Disability Services with appropriate documentation of his/her disability.

For information, contact the Student Disability Services Office AD-117  
Phone (210) 805-5813 Fax: (210) 805-5895.

## Student Success Program

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The Student Success Program, is a federally-funded, Department of Education, TRIO program that provides opportunities for academic development, assists students with basic college requirements, and serves to motivate students towards the successful completion of their post secondary educational goals. The overall goals of the Student Success Program are to increase the retention and graduation rates of its participants and to foster an institutional climate supportive of their specific needs.

The Student Success Program achieves its goals through a variety of services and activities that are FREE to all its program participants. Available services include, but are not limited to: a Summer Bridge-to-College program; peer coaching; individualized tutoring; a math and writing lab; program retreats, and other social activities; financial, career, personal and graduate school counseling; limited scholarships, College Success workshops; and learning communities.

All freshmen and sophomores who are first-generation in college students, Federal Pell Grant recipients and/or students with disabilities are eligible for this program. Applications and detailed program information are available in the Student Success Program office in the Student Support Center.

## Health Services

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The Campus Health Center provides basic health services that focus on primary prevention care, health education and counseling, emergency care, and the maintenance of health records and insurance.

**Immunizations:** The University requires all full-time undergraduates who live in on-campus housing and all F-1 International Students to provide a health history and immunization records upon enrollment. Required immunizations include a Tetanus-Diphtheria (Td), Two Measles Mumps and Rubella (MMR) and a Polio series if less than 18 years of age. International students and those born outside of the United States are also required to have a Tuberculosis skin test (PPD), available in Health Services for a nominal fee. The results of the skin test must be within one year of starting at UIW. If the PPD is positive, then a chest X-ray within one year of admission is required. Students enrolled in programs which require clinical experience in affiliated hospitals and clinics must comply with the health policy requirements of those institutions.

**Health Insurance:** All students enrolled for 12 or more semester hours are automatically billed for Health Insurance through the University Health Insurance Plan. If a student has his/her own private insurance then an Insurance WAIVER FORM must be submitted on-line to the Insurance Carrier prior to the 10th class day. No refunds for the health insurance plan will be made unless a completed waiver form has been submitted prior to the 10th class day. International students are not permitted to waive the University's Health Insurance Plan.

## Office of Career Education and Services

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The staff of the Office of Career Education and Services provides a centralized and comprehensive resource center to meet the employment needs of all students, from freshmen to alumni. The staff offers a variety of programs to educate, develop and assist students in successfully meeting the challenges of the ever-changing work environment. Students and alumni develop effective job-seeking skills and techniques through programs addressing effective cover letter writing and mail campaigns, resume development and interview skills training. The office also coordinates visits by representatives from business and industry, information about one's self, occupations, schools and programs of study, Myers-Briggs Type Inventory assessments for personality type with a career interpretation.

## Student Housing

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Students seeking campus housing should submit a housing application and an accompanying \$225 housing deposit. The Business Office will be notified to release the deposit to the student account when the student makes a proper checkout from the residence halls. To prevent the need to make a deposit for each new semester, the deposit may remain on their account with the Business Office as long as they are a resident in the residence halls. Residents are responsible for any costs associated with damages that occur in their residence (to include bedrooms and shared living spaces). A \$500 cancellation fee and loss of deposit will be assessed if a resident breaks his/her housing contract during the contract period.

Students are provided the following options for campus housing:

Avoca Apartments: 2 residents per bedroom/4 residents per apartment

Agnese/Sosa Living Learning Center: 2 residents per bedroom/4-6 residents per apartment

Colbert Hall: 1-4 residents per bedroom/Community bathrooms & showers

Clement Hall: 2 residents per bedroom/Suite-style bathroom

Dubuis Hall: 1-2 residents per bedroom/ Suite-style bathroom

Hillside Hall: 1-2 residents per bedroom/Private bathroom

Hillside II Hall: 1 or 3 residents per bedroom/ Suite-style or private bathroom (respectively)

McCombs Hall: 1-2 residents per bedroom/4-7 residents per apartment

Marian Hall: 2 residents per bedroom/ Suite-style bathroom

St. Joseph's Hall: 1 resident per bedroom/Suite-style bathroom with community shower

Local phone, basic cable & wireless internet service are included. All resident students are required to purchase a meal plan each semester, including summer

sessions. Meal plan options will vary by building assignment. The meal plan consists of board meals and dining dollars. Dining dollars will roll over from fall to spring if there is a balance, but remaining balances are forfeited after the spring semester. Board meals will not roll over if a meal balance exists. Food service is provided at six facilities on campus, which include the Marian Hall Café, Hortencia's, Finnegan's, Java on the Hill, the Pharmacy Café and the International Conference Center Café.

### The Student Center and Leadership Activities

Inherent in the development of each student is the opportunity to learn leadership skills and to participate in campus activities. The Office of the Student Center and Leadership Activities provides students with a wide range of opportunities to participate in campus life and manages the Student Center. The Student Government Association serves as the representative voice for students, while the Campus Activities Board plans student activities that promote diversity, provide social interaction and celebrate the university community. There are numerous groups to join, including academic, athletic, honor societies, multicultural, political, professional service, social, special interest and Greek organizations. Other activities offered include leadership workshops, Cardinal Camp for freshmen and transfer students, and Speakers for Achievement and Success.

We also offer a for-credit fall leadership class, Emerging Leaders (LEAD 1300), for freshmen/transfer students with less than 32 hours. The class is team taught by faculty, and students are paired with peer mentors. An overnight retreat, group projects, and guest speakers enhance this learning/leadership experience.

### Food Service

The University of the Incarnate Word offers six locations for food service. Marian Hall Café, located in Marian Hall/Student Center, is the main dining facility and provides a variety of food options for one “all you care to eat” price: home-cooked entrees, salad bar and soup, pizza, the grill, and vegetarian entrees. Hortencia's, located in the Administration Building, features Chick-fil-A, Freshens smoothies and yogurt, grab-n-go salads and sandwiches, and convenience foods and snacks. Java on the Hill is located in the McCombs Center on the 4th floor adjacent to the University Bookstore and offers pizzas, hot appetizers, and daily specials. Enjoy your favorite Starbucks Coffee, freshly baked pastries, desserts, and gourmet salads and sandwiches.

Finnegan's Coffee Shop, located just inside the lobby of the J. E. & L. E. Mabee Library, it is the perfect place to stop in for a cup of your favorite Starbucks beverage, fresh sandwiches, salads, soup, fruit, and baked goods.

The Café, located in the Feik School of Pharmacy, offers hot entrées, grab and go sandwiches, salads, beverages, and snack items.

The Café, located in the Grossman International Conference Center, features different international entrees each week.

Beverage and/or snack machines are available in most buildings on campus.

## Intercollegiate Athletics

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The University of the Incarnate Word is a member of the National Collegiate Athletic Association (NCAA), Division II. The University offers intercollegiate sports programs in men's and women's cross-country, soccer, basketball, track and field, golf, and tennis. In addition, the University sponsors the intercollegiate sports of volleyball, swimming, and softball for women and baseball for men. Cheerleading is a sponsored program conducted under the Department of Athletics.

All sports offer some athletic scholarship assistance; however, prospective student-athletes are encouraged to complete and mail the Free Application for Federal Student Aid (FAFSA) by February 15th. Incarnate Word's academic scholarships are awarded based upon GPA and SAT/ACT test scores.

All prospective freshmen student-athletes must apply to the NCAA Clearing House for initial eligibility certification. Admission to the University does not constitute or guarantee athletic eligibility certification or participation. Student-athletes must meet all NCAA eligibility criteria in order to become initially eligible and remain eligible for competition.

Since NCAA regulations and rules are subject to change or modification on an annual basis, specific questions regarding athletic eligibility status should be directed to UIW's Compliance Coordinator in the Athletics Office.

## Intramural Activities

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The University of the Incarnate Word provides a wide range of physical activities to the University community through the intramural and recreation program.

A variety of individual, dual, and team activities are offered in the intramural and recreational programs. Students, faculty, and staff have an opportunity to participate in these recreational and competitive activities as players, officials, scorers, and activity managers.

## Student Complaint Policy

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The University of the Incarnate Word (UIW) is committed to fostering a learning environment that promotes academic excellence and personal development. Students are encouraged to voice their complaints and concerns in a manner that is respectful of the dignity of the individual, if any, who is the subject of the complaint. It is the policy of UIW that students with complaints are treated honestly and fairly, and that their complaints be handled in a timely manner with regard to resolution of the issue(s) presented. Any UIW student may express a concern or complaint by following these procedures. Please note that UIW explicitly prohibits any member of the UIW community from harassing or retaliating against students who file complaints.



## GENERAL GUIDELINES

Complaints are most effectively and efficiently managed by first expressing them to the individual, if any, who is the subject of the complaint. Students are strongly encouraged to first discuss their complaint directly with any such individual involved.

If the complaint involves a policy, procedure, or area of responsibility of a specific administrative department, it should be directed to the supervisor or manager of that department. In each instance of a departmental complaint, the appropriate individual will investigate the complaint, seek a solution, and report back to the student in writing within 10 school days. The department supervisor/manager will keep a record of the decision.

For more information about how to process a complaint or to appeal a decision, the student should contact the appropriate office below.

## OFFICES TO CONTACT FOR DIFFERENT KINDS OF COMPLAINTS

### a) Course Work Complaints

Students who have complaints about what they believe to be unfair treatment involving their academic work should contact the appropriate College/School Dean.

College of Humanities, Arts, and Social Sciences, Administration Building 163, CPO 144, (210) 829-6022

HEB School of Business and Administration, Gorman Business & Education Center, 140, CPO 123, (210) 805-5884

Dreeben School of Education, Gorman Business & Education Center, 124, CPO 16, (210) 829-2761

School of Interactive Media and Design, Administration Building 112, CPO 107, (210) 829-6091

School of Mathematics, Science, and Engineering, Science Hall, 112, CPO 68, (210) 829-2718

School of Nursing and Health Professions, Nursing Building Foyer, CPO 300, (210) 805-1213

### b) Other Academic Complaints

Students who have complaints about academic advisement or other issues related to academic policies, procedures, or deadlines should contact the Dean of Student Success, Student Support Center, CPO 96, (210) 805-3005. Students who believe they have received unfair treatment involving their academic work must first meet with their instructor. Unfair treatment applies to any act which may be perceived as either prejudiced or arbitrary in the evaluation of a student's performance, or in the imposition of sanctions without regard for due process. If the complaint is not resolved to the satisfaction of the student, the student shall have the right to appeal a decision in writing to the Dean of the school or college, or a person designated by the Dean, where the instructor resides. The Dean's decision is final and there is no further appeal to another administrative officer. Students may obtain the formal appeals form from the office of the Dean in whose college/school the instructor resides.

c) Administrative Department Complaints

Students, who have complaints about the policies, procedures, or deadlines of an administrative area of UIW, or the personal treatment they have received from an administrative area of UIW, should contact the appropriate major office of UIW.

Admissions, Southwest Texas Building 112, CPO 285, (210) 805-3550

Business Office, Administration Building 190, CPO 291, (210) 829-6088.

Disability Services, Administration Building 119, CPO 28, (210) 829-3938

Financial Aid, Chapel Building, CPO 308, (210) 829-3912.

Graduate Studies and Research Administration Building 180, CPO 387, (210) 805-5840

Library, Library 215, CPO 297, (210) 829-3837.

Registrar, Administration Building 129, CPO 304, (210) 829-3919.

Technology Services, Administration Building 3, CPO 103, (210) 829-3866.

VIOLATIONS OF THE STUDENT CODE OF CONDUCT

Any member of the UIW community, including students, may file a complaint against any student for alleged violations of the UIW Student Code of Conduct by contacting the Dean of Campus Life, Marian Hall Student Center, CPO 306, (210) 829-6034.

GENERAL CONCERNS OR COMPLAINTS

Students who have a general complaint regarding UIW policies, procedures, or personnel should contact the Dean of Campus Life, Marian Hall Student Center, CPO 306, (210) 829-6034.

HARASSMENT COMPLAINTS

Students who believe that they have been subjected to harassment or treated in a way that violates UIW's anti-harassment policy (i.e., harassment related to an individual's race, color, sex, religion, national origin, sexual orientation, citizenship status, or disability) by another student, a UIW employee, a contractor, or a visitor to the campus, should immediately report the alleged harassment to the Director of Human Resources, Watson Enrollment Center, (210) 829-6019, or to the Dean of Campus Life, Student Center, CPO 306, (210) 829-6034.

## Additional Resources

### Mediation Services

Mediation is a process that attempts to establish communication between people having disputes and assists them in finding a mutually acceptable solution. The end result of a successful mediation is that there are neither winners nor losers, but rather, generally satisfied individuals who have arrived at an agreement, which resolves their dispute as they define it. Mediation is a confidential process. The agreements made by the parties involved are non-binding. UIW offers a mediation program designed to assist all members of the UIW community to resolve problems and disputes. Anyone may initiate

mediation. To initiate mediation, contact the Counseling Center, Watson Enrollment Center, CPO 35, (210) 829-3129.

#### The Student Government Association

Students may address various concerns and comments to the Executive Officers of the UIW Student Government Association (SGA). Concerns regarding specific matters related to clubs and organizations, University policies and practices, or ideas and suggestions for UIW administrative offices may be directed to SGA. Concerns are accepted verbally at their twice-monthly general assembly meetings, at SGA-sponsored student forums, or by addressing an SGA officer. Students may also share their concerns in writing by using the forms provided at SGA suggestion boxes that are located in each building on campus. Concerns directed to the SGA may be submitted anonymously. Concerns are subject to publication in the Logos, the UIW student newspaper. Officers at their regular meetings address students' concerns with UIW administrators or in public forums. The concerns received are also compiled each semester by the SGA and priority issues are presented to the University Planning Commission for discussion and action, as needed. Student Government Officers may be reached in the Student Government Office, Marian Hall Student Center, CPO 1210, (210) 829-3833.

### Student Conduct and Discipline

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Membership in the University of the Incarnate Word community is both a right and a privilege. It is a right for those who qualify and a privilege for those willing to accept and abide by the philosophy and standards of the University. As community members, students have the responsibility to abide by the rules and regulations of the community and treat all community members with respect and human dignity.

Each member of the University of the Incarnate Word community is expected to assume responsibility for her/his own conduct, and also feel a reasonable Christian responsibility for the behavior of others. On occasion, this may involve kind, courteous admonition when one member observes another in inappropriate conduct. On another occasion, it may involve cooperation when proper authorities are investigating instances of alleged misconduct.

The University seeks to balance the rules that are necessary to function effectively in an educational community with each individual's right to personal freedom. The University expects each student to behave as a responsible member of an academic community at all times. Community regulations are designed to guide the growth and development of individual responsibility, not to restrict individual freedom. The University's policies on alcohol and drug use, sexual harassment, and other issues are published in the UIW Student Handbook. Continued membership in the University of the Incarnate Word community is contingent upon responsible behavior. The Dean of Campus Life has been delegated primary operational responsibility for student discipline.

## *V. Undergraduate Academic and Institutional Policies*

Academic regulations and institutional policies apply to all students, regardless of the degree program, and provide direction for consistent application of institutional policies. The provisions of this Bulletin, thus academic regulations and institutional policies, are subject to change without notice. Changes in Undergraduate Bulletin rules and regulations, other than course and GPA requirements for a degree become effective immediately upon approval by the proper University authorities and are not subject to the “Undergraduate Bulletin of Graduation” rule cited in the Graduation Policies section in this chapter.

Students are responsible for knowing all of the policies posted in this Bulletin.

Credit by Examination, Certification, or Correspondence	
Policies.....	71
A. Challenge Examinations .....	72
B. College Level Examination Program (CLEP) .....	72
C. Defense Activity for Non-Traditional Education	
Support (DANTES) .....	74
D. International Baccalaureate Program (IB).....	75
E. Professional Certification Credits.....	76
F. University Board Advanced Placement Program .....	76
Degree Requirements.....	78
A. Institutional Requirements for the Associate Degree .....	78
B. Institutional Requirements for the Baccalaureate	
Degree .....	79
C. Core Curriculum .....	79
1. Core Curriculum Course Listing .....	81
2. Community Service Requirement.....	83
3. Computer Literacy Requirement .....	83
D. Application for the Degree.....	84
E. Major .....	85
F. Minor, Interdisciplinary Concentration, or	
Specialization.....	85
G. Second Major .....	86
H. Second Baccalaureate Degree .....	86
Enrollment and Attendance Policies.....	87
A. Academic Advising.....	87
B. Academic Load.....	87

V. UNDERGRADUATE ACADEMIC AND INSTITUTIONAL POLICIES

C. Academic Placement Testing Requirements ..... 87

D. Academic Overload..... 88

E. Attendance..... 88

F. Auditing ..... 89

G. Correspondence Work ..... 90

H. Independent Study Work ..... 90

I. Inter-Institutional Work ..... 91

J. Satisfactory Academic Progress..... 92

K. Schedule Adjustment..... 92

L. Student Responsibility Statement..... 94

M. Study Abroad Enrollment..... 95

N. Study at Another Institution ..... 95

Grades and Academic History Policies ..... 97

    A. Academic Integrity Policy ..... 97

    B. Classification of Students..... 100

    C. Dean’s List ..... 100

    D. Honor Societies ..... 100

    E. System of Grading..... 101

    F. Honor Points ..... 102

    G. Repeat Policy ..... 102

    H. Satisfactory Academic Progress ..... 103

Graduation Policies..... 105

    A. Bulletin for Graduation..... 105

    B. Graduation Completion Policies ..... 105

    C. Graduation Honors ..... 107

    D. Participation in Commencement Ceremonies..... 107

Student Educational Records and Student Privacy..... 109

    A. Educational Records..... 109

    B. Educational Records Fee..... 109

    C. Educational Records on Campus ..... 109

    D. Educational Record Review ..... 109

    E. Educational Record Revision..... 110

    F. Educational Record and Student Confidentiality..... 110

    G. Transcripts ..... 111

## *Credit by Examination, Certification, or Correspondence Policies*

University of the Incarnate Word recognizes credits earned by examination, certification, or correspondence based on the concept that learning may be acquired from different sources of knowledge. Students must complete the “Request for Credit by Examination” form before they attempt the test. The policies follow:

- A maximum of 30 semester credit hours may be earned through examination, professional certification, or in combination with correspondence work (which is limited to 12 semester hours).
- Credit granted through examinations may not be used to fulfill residency requirements for associate or baccalaureate degrees.
- Credit may not be granted when the examination duplicates University credits previously earned or when the student has credit for courses at a more advanced level than that of the examination.
- Credit earned by examination will be posted to the student’s academic record after the student enrolls for credit at the University of the Incarnate Word. If an unsatisfactory score is achieved, the examination is not reflected on the student’s academic record.
- An examination may be attempted no more than twice. No test may be repeated until a minimum of six months has elapsed between each attempt.
- The type of examination, course title, and credit hours awarded and a grade of S will be recorded. No other grades will be recorded.
- Credits earned through examination are counted as “transfer” work and do not satisfy residency requirements, either for the major or institutional.
- By the end of the second semester at the University of the Incarnate Word, students must successfully test for computer competence or complete a Computer Literacy course. The Computer Literacy competency examination may be attempted for credit or to demonstrate computer competence. If the Computer Literacy course option is selected or required, it will satisfy general electives on the degree plan. Computer courses older than five years will not satisfy the computer literacy requirement. Students who seek course credit for the examination must pay 40% of the tuition in advance of taking the examination. The examination may be attempted only once and must be completed with a minimum grade of C (a grade of S will be recorded if the minimum is achieved). Students who seek to demonstrate computer competence may take the examination once only and do not receive college credit should they pass. **Computer Literacy examinations may not be taken during the semester during in which the student intends to graduate.**
- Credit by examination may not be earned during the semester in which the student intends to graduate.

## A. Challenge Examinations

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Only students enrolled in a degree program at the University of the Incarnate Word are eligible to apply for challenge examinations. These examinations may be taken only if approved by the faculty member who will administer the test and the Dean of the school or college over the discipline involved. The examination may be taken only once and must be completed with a minimum grade of C (a grade of S will be recorded if the minimum is achieved). Challenge Examination application forms are available in the Registrar's Office. The fee, 40% of the tuition for the course being challenged, is payable in advance.

## B. College Level Examination Program (CLEP)

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The College Level Examination Program (CLEP) provides two types of examinations: 1) General Examinations and 2) Subject Examinations that are available in a variety of disciplines. The University of the Incarnate Word does not award credit for General Examinations. Subject examinations recognized for credit are listed below. Students interested in these examinations should contact personnel in the Testing Center for information regarding costs, testing dates, and procedures for having test scores submitted for consideration for credit. The University faculty in each discipline area sets standards for satisfactory credit. In some instances, the required score will be slightly above the ACE recommendations.

Refer also to the Credit by Examination policies cited earlier in this section.

CLEP Test Name	Score	Credit	Course Equivalent
American Government	50	3	POLS 1315
American Literature	50	3	ENGL 3320
Analyzing and Interpreting Literature	N/A	N/A	Not Accepted
Biology	50	4	BIOL 1401
Calculus	50	3	MATH 2312
Chemistry	50	3	CHEM 1101, 1301
College Algebra	50	3	MATH 1304
College Algebra-Trigonometry	50	3	MATH 1311
College French Language	50	6	FREN 1311, 1312
College German Language	50	6	GERM 1311, 1312
College Mathematics	NA	NA	Not Accepted
College Spanish Language	50	6	SPAN 1311, 1312
English Composition	NA	NA	Not Accepted
English Composition with Essay	NA	NA	Not Accepted
English Literature	50	3	ENGL 3310
Freshman College Composition with Essay	50	3	ENGL 1311

(NOTE: ENGL 1312 is a required course that cannot be completed through a standardized exam)

History of the US I	50	3	HIST 1321
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**CREDIT BY EXAMINATION, CERTIFICATION, OR  
CORRESPONDENCE POLICIES**

History of the US II	50	3	HIST 1322
Human Growth and Development	N/A	N/A	Not Accepted
Humanities	N/A	N/A	Not Accepted
Information Systems and Computer Applications	50	3	BINF 2321
Introduction to Educational Psychology	50	3	Elective
Introductory Business Law	50	3	BLAW 3317
Introductory Psychology	50	3	PSYC 1301
Introductory Sociology	N/A	N/A	Not Accepted
Macroeconomics	50	3	ECON 2301
Microeconomics	50	3	ECON 2302
Natural Sciences	N/A	N/A	Not Accepted
Physical Sciences	50	3	Science Elective
Principles of Accounting	50	3	ACCT 2311
Principles of Management	50	3	BMGT 3340
Principles of Marketing	50	3	BMKT 3331
Social Sciences and History	50	3	HIST 1311
Western Civilization I	50	3	HIST 1311
Western Civilization II	50	3	HIST 1312

NOTE: Exams are subject to review and modification without notice.

### C. Defense Activity for Non-Traditional Education Support (DANTES)

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These are an extensive series of examinations in university subjects that are comparable to the final or end-of-course examination in particular undergraduate courses. Students should contact personnel in the Testing Center for more information about these examinations.

DANTES Test Name	Score	Credit	Course Equivalent
A History of the Vietnam War	49	3	HIST Elective
Intro to Modern Middle East	47	3	HIST Elective
Art of the Western World	48	3	ARTS Elective
Astronomy	N/A	N/A	Not Accepted
Business Law II	52	3	BLAW 3317
Business Mathematics	400	3	MATH Elective
Western Europe: 1946-1990	48	3	HIST Elective
Criminal Justice	400	3	Elective
Drug and Alcohol Abuse	N/A	N/A	Not Accepted
Environment and Humanity	N/A	N/A	Not Accepted
Ethics in America	400	3	PHIL 3333 **
Fundamentals/College Algebra	N/A	N/A	Not Accepted
Fundamentals of Counseling	45	3	PSYC Elective
Foundations of Education	N/A	N/A	Not Accepted
General Anthropology	47	3	ANTH 1311
Here's to Your Health	N/A	N/A	Not Accepted
Human/Cultural Geography	48	3	GEOG Elective
Introduction to Business	400	3	BMGT Elective
Introduction to Computers	400	3	BINF Elective



**CREDIT BY EXAMINATION, CERTIFICATION, OR  
CORRESPONDENCE POLICIES**

Introduction to Law Enforcement	N/A	N/A	Not Accepted
Introduction to World Religions Lifespan Developmental Psychology	400	3	RELS 2345
Management Information Systems	N/A	N/A	Not Accepted
Management Information Systems	400	3	BINF 2321
Money and Banking	48	3	BFIN 3330
Organizational Behavior	48	3	BMGT 4355
Personal Finance	46	3	BFIN Elective
Personnel/Hum Resource Management	48	3	BMGT 3354
Physical Geology	N/A	N/A	Not Accepted
Principles of Finance	400	3	BFIN 3321
Principle/Financial Accounting	49	3	ACCT 2311
Principles of Physical Science I	N/A	N/A	Not Accepted
Principles of Public Speaking	N/A	N/A	Not Accepted
Principles of Statistics	400	3	MATH 2303
Principles of Supervision	400	3	BMGT Elective
Rise/Fall of the Soviet Union	N/A	N/A	Not Accepted
Technical Writing	N/A	N/A	Not Accepted
Civil War and Reconstruction	N/A	N/A	Not Accepted

\*\* Does not satisfy advanced level requirement

Note: Exams are subject to review and modification without notice.

### **D. International Baccalaureate Program (IB)**

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The University of the Incarnate Word will grant up to 24 semester hours of credit to students who successfully complete the International Baccalaureate Diploma Program and receive a score of 4 or higher. Non-IB diploma holders may receive credit based upon receiving a score of 4 or higher on the higher-level exams.

Refer also to the Credit by Examination policies cited earlier in this section.

<b>IB Test Name</b>	<b>Score</b>	<b>Credit</b>	<b>Course Equivalent</b>
Biology (HL)	5	4	BIOL 1401
	6	8	BIOL 1401, 1402
Chemistry (HL)	5	4	CHEM 1301, 1101
	6	8	CHEM 1301, 1101,1302, 1102
Chinese Language (HL or SL)	4	6	CHIN 1311, 1312
Computer Science (HL or SL)	4	3	CIS 1000
Economics (HL)	4	6	ECON 2301, 2302
English Language A1 (HL)	4	3	ENGL 1311
Environmental Systems (SL)	4	3	ENSC 1000
French Language B (HL or SL)	4	6	FREN 1311, 1312
	5	9	FREN 1311, 1312, 2311
	6	12	FREN 1311, 1312, 2311, 2312
German Language B (HL or SL)	4	6	GERM 1311, 1312
Geography (HL or SL)	4	3	GEOG 3311

**CREDIT BY EXAMINATION, CERTIFICATION, OR  
CORRESPONDENCE POLICIES**

History, European (HL)	4	3	HIST 1311
History, African	3	3	HIST 2000
History, American (HL)	4	3	HIST 1321
	5	3	HIST 1321, 1322
History, East and South East Asia	4	3	HIST 2000
History, Islamic History (HL)	4	3	HIST 2000
History, Sout Asia and Middle East (HL)	4	3	HIST 2000
Italian Language B (HL or SL)	4	6	ITAL 1311, 1312
Japanese Language B (HL or SL)	4	6	JAPN 1311, 1312
Mathematics (SL)	4	3	MATH 1304
Mathematics (HL)	5	6	MATH 1304, 1311
Music (HL or SL)	4	3	MUSI 1000
Philosophy (HL)	5	3	PHIL 1381
Physics (HL)	5	4	PHYS 2305, 2105
	6	8	PHYS 2305, 2105, 2306, 2106
Psychology (HL)	5	3	PSYC 1301
Russian Language (HL or SL)	4	6	Foreign Language I and II
Social and Cultural Anthropology (HL or SL)	5	3	ANTH 1311
Spanish Language B (HL or SL)	4	6	SPAN 1311, 1312
	5	9	SPAN 1311, 1312, 2311
	6	12	SPAN 1311, 1312, 2311, 2312
Theatre Arts (HL or SL)	4	3	THAR 1000
Visual Arts (HL or SL)	4	3	ARTS 1000

NOTE: Exams are subject to review and modification without notice.

## E. Professional Certification Credits

Credit may be awarded for completion of educational programs conducted for business and industry. After matriculation, credit will be determined on an individual basis, dependent upon UIW equivalence and upon current American Council on Education credit recommendations. The student must petition for credit through the Registrar who confers with the appropriate discipline faculty and Dean. A maximum of 30 semester hours may be earned by professional certification or in combination with correspondence or credit by examination. A fee of \$50.00 will be charged per course. After matriculation, students must obtain their Advisor and Dean's approval to transfer such credits to UIW.

## F. University Board Advanced Placement Program

The Advanced Placement (AP) Program is sponsored by the University Board and offers secondary school students the opportunity to participate in challenging university-level course work with the potential of receiving university credit. The University of the Incarnate Word requires a minimum score of "3" for award of credit. Official score reports should be sent to the Registrar, who will evaluate the report and determine the amount of credit, based upon the recommendation by the discipline faculty, and grade to be awarded. In most cases, the ACE recommendation will be used. Students must complete the AP examination to

**CREDIT BY EXAMINATION, CERTIFICATION, OR  
CORRESPONDENCE POLICIES**

receive credit. Credit will not be awarded for participation in an AP program without completion of the AP examination.

Refer also to the Credit by Examination policies cited earlier in this section.

AP Test Name	Score	Credit	Course Equivalent
Art, History of Art	3	6	ARTH 2361/2362
Art, Studio Art Drawing Portfolio or General Portfolio	3	6	ARTS 1301/2301
Biology	3	8	BIOL 1401/1402
Chemistry	3	8	CHEM 1301/1101 CHEM 1302/1102
Economics/Macroeconomics	3	3	ECON 2301
Economics/Microeconomics	3	3	ECON 2302
English Language and Composition	3	6	ENGL 1311/2365
English Literature and Composition	3	6	ENGL 1311/2310
Environmental Science	3	3	ENSC Elective
French Language	3	6	FREN 1311/1312
French Literature	3	6	Elective
German Language	3	6	GERM 1311/1312
Government and Politics/Comparative	3	3	POLS 2310
Government and Politics/United States	3	3	POLS 1315
History/European	3	6	HIST 1311/1312
History/United States	3	6	HIST 1321/1322
Latin/Vergil	3	6	Foreign Language I and II
Latin/Latin Literature	3	6	Foreign Language I and II
Mathematics/Calculus AB	3	3	MATH 2312
Mathematics/Calculus BC	3	3	MATH Elective
Mathematics/Statistics	3	3	MATH 2303
Music Theory	3	6	MUSI 1321/1322
Physics B	3	8	PHYS 1301/1101 PHYS 1302/1102
Physics C/Mechanics	3	4	PHYS 2305/2105
Physics C/Electricity and Magnetism	3	4	PHYS 2306/2106
Psychology	3	3	PSYC 1301
Spanish Language or Literature	3	6	SPAN 1311/1312
	4	9	SPAN 1311, 1312, 2311
	5	12	SPAN 1311, 1312, 2311, 2312

Note: Exams are subject to review and modification without notice.

## *Degree Requirements*

Degrees are composed of a University Core Curriculum, documented Community Service participation, documented computer literacy (either by examination or course enrollment), requirements for the major (as well as supportive courses or courses as part of a required minor), and elective courses to equal the total hours required for a degree. The institutional policies governing these areas are listed below. Specific requirements for the major and their associated support or minor requirements are listed within the disciplines section of this catalog.

### **A. Institutional Requirements for the Associate Degree**

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1. Completion of a minimum of 64 semester hours of course credit, with a minimum GPA of 2.0. Academic Literacy courses (developmental or ESL, orientation, etc.) will not count toward this requirement. Some degree programs require more than 64 semester hours of credit.
2. Completion of a minimum of 30 semester hours of course work at the University of the Incarnate Word.
3. Completion of 24 of the last 30 semester hours for the degree at the University of the Incarnate Word.
4. Completion of the Core Curriculum. Some degree programs require a grade of C or higher for Core Curriculum courses that are required for those programs. A minimum grade of C is required in ENGL 1311 and ENGL 1312, regardless of the program.
5. Completion of a major and any related requirements. Specific requirements for each major will be found in the Undergraduate Program section of this Bulletin. A minimum grade of C is required in all courses needed to fulfill the major, concentration, specialization, and minor, where required.
6. Completion of sufficient elective courses to fulfill the total number of hours required for graduation (64).
7. Completion of 22 clock hours (non-credit) of Community Service is required for the associate degree. Community Service hours must be completed and documented in the Registrar's Office before you apply to graduate or be attached to the application for graduation.
8. Payment of all outstanding bills and return of University equipment and library books.

### **B. Institutional Requirements for the Baccalaureate Degree**

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1. Completion of a minimum of 128 semester hours of course credit, with a minimum GPA of 2.0. Academic Literacy courses (developmental or ESL, orientation, etc.) will not count toward this requirement. Some degree programs require more than 128 semester hours of credit.
2. Completion of a minimum of 42 semester hours of credit in upper division courses (3000 level and above).
3. Completion of a minimum of 45 semester hours of course work at the University of the Incarnate Word. Of these, 12 semester hours must be in upper division courses in the major field.

## DEGREE REQUIREMENTS

4. Completion of 36 of the last 45 semester hours for the degree at the University of the Incarnate Word.
5. Completion of the Core Curriculum. Some degree programs require a grade of C or higher for Core Curriculum courses that are required for those programs. A minimum grade of C is required in ENGL 1311 and ENGL 1312, regardless of the program.
6. Completion of a major and any related requirements. Specific requirements for each major will be found in the Undergraduate Program section of this Bulletin. A minimum grade of C is required in all courses needed to fulfill the major, concentration, specialization, minor, and additional support work required by the major.
7. Completion of sufficient elective courses to fulfill the total number of hours required for graduation (128).
8. Completion of 45 clock hours (non-credit) of Community Service is required for the baccalaureate degree. Community Service hours must be completed and documented in the Registrar's Office before you apply to graduate or be attached to the application for graduation.
9. Payment of all outstanding bills and return of University equipment and library books.

### C. Core Curriculum

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The Core Curriculum of University of the Incarnate Word is, as the name implies, the heart or center of the undergraduate educational experience. The Core Curriculum is an integrated and sequenced course of study dictated by the traditional concept of liberal arts education. It includes a carefully devised study of rhetoric (intelligent reading and correct writing), philosophy, theology, literature and the arts, mathematics and the natural sciences, history, the behavioral and social sciences, language, and wellness.

Unique to the University's approach to the liberal arts, however, is a conscious emphasis on integrating their content elements. This emphasis is rooted in the experience of the academic community that knowledge is not acquired in isolated elements and that wisdom derives from an exploration of truth in all its aspects. A whole person is an organism of body, mind, emotions, and spirit and comes to know truth by way of the physical, mental, emotional, spiritual, and aesthetic exploration of reality.

In addition to the content of the liberal arts and their integration, the Core Curriculum addresses itself to the major processes identified as requisites for success as an effective participant in the contemporary world, namely, critical thinking and learning, social interaction, wellness development, values formation, and ethical decision making. Because its mission, founded in the Catholic tradition, is based on the premise of a sound faith relationship between the creature and the Creator, the University of the Incarnate Word includes in its Core a study of religion.

The core is a common experience for all UIW students and represents a major vehicle for transmitting the mission values of the University. The Core and Major (specialized curriculum in a particular field of study) are intended to assure that every student accomplishes ten broad educational goals. Objectives under each

## DEGREE REQUIREMENTS

goal specify learning outcomes to be developed by all undergraduates who complete a degree at UIW. Students are expected to develop knowledge, attitudes, skills, and values in each of the following goal areas:

1. **Critical and Creative Thinking:** to analyze information logically and to utilize and transform knowledge in fair-minded, purposeful, and imaginative ways.
2. **Effective Communication:** to write and speak clearly and persuasively and to convey meaning effectively in non-verbal contexts.
3. **Media/Technology:** to understand the benefits and limitation of technology and media and how to use them in socially positive ways.
4. **Research:** to synthesize the gathering, evaluating, and interpreting of data in a study or creative work that can be shared with a community of scholars.
5. **Global and Historical Consciousness:** to understand and be sensitive to the ways humans have been influenced by cultural, religious, and ethnic traditions, by economic forces, and by environmental opportunities and limitations.
6. **Aesthetic Engagement:** to realize the significant role that aesthetic experience and the visual/performing arts play in shaping meaningful lives.
7. **Quantitative/Scientific Analysis:** to use mathematical reasoning and the scientific method to address issues in an increasingly complex, technological world.
8. **Social Justice:** to use ethical decision-making skills to evaluate the consequences of personal behavior as well as the policies and practices of groups and systems.
9. **Professionalism:** to develop leadership qualities that help achieve personal goals and contribute to the good of society through work.
10. **Integration/Spirituality:** to understand the importance of developing as a whole person who is spiritually mature and dedicated to being a productive and responsible citizen.

Appropriate assessment strategies will determine student success in achieving the outcomes under these goals and demonstrate that UIW is accomplishing its educational mission. By this means, UIW offers its students the opportunity to grow as self-filled human beings and competent professionals dedicated to service.

The Core Curriculum is comprised of specific courses from designated disciplines, a Community Service component and demonstrated computer competence. The requirements for each are described below.

### 1. Core Curriculum Course Listing

Rhetoric: 6 semester hours.

ENGL 1311 Composition I

ENGL 1312 Composition II

These courses must be completed with a minimum grade of C.

Wellness Development: 3 semester hours.

## DEGREE REQUIREMENTS

DWHP 1200 or 3200 Dimensions of Wellness, and a 1-semester hour lifelong physical activity course. DWHP is normally taken during the student's first year of study. Transfer and adult returning students take DWHP 3200. ADCaP and Online students take DWHP 3300.

Philosophy: 3 semester hours.

PHIL 1381 Introduction to Philosophy

Religious Studies in the Core Curriculum: 3 semester hours

The required course must be chosen from among the following courses.

First course options:

RELS	1310	Introduction to Theology
RELS	1340	Understanding Catholicism
RELS	1345	Biblical Themes
RELS	1355	History of Christianity
RELS	1360	Christian Ethics
RELS	1370	Introduction to Religious Studies
RELS	1375	Prayer and Spirituality
RELS	1399	Special Topics in Religious Studies
RELS	2320	Hebrew Scriptures
RELS	2329	Religious Movements in U.S. History
RELS	2330	Religion, Value and Film
RELS	2335	U.S. Latino/a Spirituality
RELS	2345	World Religions
RELS	3300	The Religious Quest (recommended for but not limited to international and transfer students)

Second course: Students may take any Religious Studies course, provided that they meet any prerequisites for the course.

Second Religious Studies or Philosophy: 3 semester hours.

Any three hour RELS or PHIL course.

Literature: 3 semester hours.

ENGL 2310 World Literature Studies

Fine Arts: 3 semester hours.

Any three-hour Performance or History course in Visual Art, Dance, Music, or Theatre (Computer Graphic Arts courses will not satisfy this requirement).

Mathematics: 3 semester hours.

Course selection based on degree requirements.

MATH	1304	or
MATH	1306	or
MATH	2303	or an appropriate higher level math course

Before a student can enroll in MATH 1304 College Algebra, MATH 1306 College Geometry, or MATH 2303 Introduction to Probability and Statistics, any requirements for developmental courses in mathematics or for mathematics placement must be completed successfully with a grade of C or better. Students

## DEGREE REQUIREMENTS

are encouraged to complete the mathematics requirement during the first year of study.

**Natural Sciences: 4 semester hours.**

Students may choose one of the following:

BIOL 1401, 1402, 2321 or 2121  
CHEM 1301/1101  
ENSC 1410  
GEOL 1401, 1402, 1415, 1420  
METR 1430  
PHYS 1301/1101, 2305/2105

**History: 3 semester hours.**

HIST 1311, 1312, 1321, or 1322

**Social Science: 3 semester hours**

Students may choose one of the following:

PSYC 1301  
SOVI 1311  
ECON 2301  
POLS 1315 or 1316

**Modern Language: 6 semester hours.**

Six semester hours in one language (or American Sign Language) other than English

### 2. Community Service Requirement

A total of 45 clock hours (non-credit) are required for all baccalaureate degrees. Associate degrees require 22 clock hours (non-credit) of Community Service. Students may satisfy this graduation requirement by: (1) selecting volunteer opportunities posted by Campus Ministry, or (2) taking courses designated in the University schedule as service-learning courses, or (3) a combination of volunteer opportunities and service-learning courses. Students are encouraged to discuss with their advisors, early in their university experience, the options for fulfilling the community service requirement and the method of documenting their service.

Students should complete their Community Service hours by the end of the junior year. Community Service hours must be completed and documented in the Registrar's Office before you apply to graduate or documentation must be attached to the application for graduation.

### 3. Computer Literacy Requirement

By the end of the second semester at the University of the Incarnate Word, students must successfully test for computer competence or complete a Computer Literacy course. The Computer Literacy competency examination may be attempted for credit or to demonstrate computer competence. If the Computer Literacy course option is selected or required, it will satisfy general electives on the degree plan. Computer courses older than five years will not satisfy the computer literacy requirement.



## DEGREE REQUIREMENTS

Students who seek course credit for the examination must pay 40% of the tuition in advance of taking the examination. The examination may be attempted only once and must be completed with a minimum grade of C (a grade of S will be recorded if the minimum is achieved). Students who seek to demonstrate computer competence may take the examination once only and do not receive college credit should they pass. **Computer Literacy examinations may not be taken during the semester during in which the student intends to graduate.**

### FIRST YEAR (FY) TARGET CORE COURSES

The University of the Incarnate Word has identified specific goals for the first year student which are designed to help students transition to college and achieve academic success. These goals have been intentionally integrated as outcomes and experiences into first year courses identified as FY Target Core Courses. The Target Core courses are Math 1 and 2 (MATH 0318 and MATH 0319), Computer Literacy (COMP 1301), Dimensions of Wellness (DWHP 1200), College Algebra (MATH 1304), Composition I (ENGL 1311 or 1311L), Introduction to Philosophy (PHIL 1381), and introductory Religious Studies courses (RELS 1310, 1340, 1345, 1355, 1360, 1370, and 1375). First year students at the University of the Incarnate Word are expected to take a minimum of four of these courses during their first two semesters at the University. Students should consult their academic advisor on which courses are appropriate for their field of study.

#### Goals for FY Target Core Courses

- Students become familiar with the culture of higher education
- Students comprehend and appreciate academic expectations
- Students know the UIW mission
- Students are involved in intellectually and creatively challenging course work.
- Students are active and collaborate with others in their learning
- Students engage in enriching educational experiences
- Students interact with faculty members outside of the classroom
- Students are aware of and participate in extracurricular activities

### D. Application for the Degree

Upon application for graduation, Registrar's Office personnel will generate the official degree audit, indicating course completion as well as courses remaining to complete the degree. Students must resolve degree deficiencies noted in the degree audit by the deadline indicated therein or they will be removed from candidacy for graduation. Students are encouraged to work closely with their advisors to plan for graduation and to resolve any deficiency identified that will prevent graduation.

The degree audit will be based upon the curriculum in effect at the time of the student's matriculation and identifies all of the courses and requirements for the

## DEGREE REQUIREMENTS

degree. It is the student's responsibility, in conversation with his/her assigned advisor, to regularly review the automated degree evaluation, available online through the secure server, and to meet the requirements of the degree.

### E. Major

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A major is defined as a program of study involving at least 30 hours with a minimum of 18 upper division hours in a single discipline or interdisciplinary field. For all majors, a minimum grade of C is required for courses within each major as well as courses required as support-work for the major. Individual disciplines may, however, have policies more stringent than the university-wide policy. Detailed requirements for each major can be found in the "Undergraduate Programs" section of this bulletin.

Program requirements for the major may be modified or discontinued without prior notice because of academic, fiscal, or staffing considerations. Students affected by such changes will be assisted in their efforts to continue their studies in other programs or universities.

### F. Minor, Interdisciplinary Concentration, or Specialization

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Most majors require a minor, an interdisciplinary concentration, or a specialization within the major. A grade of C or better is required in every course that counts toward the minor, an interdisciplinary concentration, or a specialization. Details of these requirements may be found in the "Undergraduate Programs" section of this bulletin.

The discipline within which a minor is taken defines, within the university standards stated below, the requirements for the minor.

The discipline that requires or accepts an interdisciplinary concentration on a certain topic for students majoring in it defines, within the University standards stated below, the requirements for the interdisciplinary concentration.

A minor is defined as 12 semester hours or more in a single discipline, including a minimum of six upper-division hours. An interdisciplinary concentration is defined as a minimum of 18 semester hours, including a minimum of nine upper-division hours, from two or more disciplines in courses focused on the same area. A specialization within a major field is defined as a minimum of 18 semester hours, including nine upper-division hours.

### G. Second Major

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A student is not restricted in the number of majors he or she may complete for the bachelor's degree. However, if a student wishes to pursue more than one major, all requirements for a single major plus the additional requirements for the other major(s) must be completed. A second major on a different degree program requires the completion of a second degree, rather than the completion of a second major.

### H. Second Baccalaureate Degree

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## DEGREE REQUIREMENTS

A student holding a bachelor's degree from UIW or from another accredited institution may receive a second bachelor's degree provided he or she fulfills the following requirements:

1. Complete an additional 45 semester hours of residence credit not included in the first degree (18-24 must be at the upper division level in the major field).
2. Complete all requirements for the additional major and degree including all prerequisites, elective courses, and upper division courses as specified in the appropriate sections of the bulletin.
3. Two bachelor's degrees may be awarded simultaneously provided that the requirements listed above are met and that the total number of credit hours being applied toward both degrees is a minimum of 173.
4. The Core from the first degree will be considered in fulfillment of the Core for the second degree and all additional courses and requirements for the Core of the second degree will be waived if the Core of the first degree assimilates the UIW Core or the core from another institution of higher learning in the United States. The Core for the second degree will be required for international students whose Core for the first degree does not contain the elements of the Liberal Arts Core and which are the hallmark of the UIW Core.

## *Enrollment and Attendance Policies*

### A. Academic Advising

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The purpose of the Academic Advising Program is to provide effective guidance to students throughout their academic experience at the University. This is achieved by assisting them to discover and/or enhance their abilities, values and interests in the context of a higher education. All new full-time undeclared students are assigned to the University Advising Center (UAC). The Center has a team of experienced academic counselors who work with undeclared students, particularly during those early semesters of their education that are most critical in their selection of a major. UAC academic counselors guide students through the process of choosing a major and collaborate with them to develop realistic academic goals that are consistent with their career plans. Throughout the advising process, UAC counselors attempt to enhance students' study habits, critical thinking, problem solving, decision-making and time management skills.

Students who have already selected a major are assigned to a faculty advisor in their chosen field. They work with their assigned advisor until graduation. To maximize their academic experience, students are strongly encouraged to develop a sound relationship with their faculty advisors and utilize their expertise. This can generate extensive benefits before and after graduation. The most important role of academic advisors is to serve as facilitators who help students identify and assess alternatives and consequences of their decisions. However, the ultimate responsibility for making decisions concerning goals and educational plans rests with the individual student.

### B. Academic Load

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The traditional number of semester hours for each long semester (Fall or Spring) is 16 semester hours while the maximum enrollment is 18 hours. The maximum enrollment for the summer is 14 semester hours for all three summer terms combined. A minimum of 12 semester hours is required for full-time status for the Fall, Spring, or Summer semesters. During the Fall and Spring semesters, an enrollment of less than 12 hours or more than 18 hours is outside of banded tuition and charges per semester hour will be assessed.

### C. Academic Placement Testing Requirements

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#### 1. Academic Assessment

It is essential that all new Undergraduate students begin their academic careers with a strong foundation. To ensure this, UIW places students into the appropriate math and English courses based upon test scores submitted with the application for admission. To view University of the Incarnate Word course placement policy, visit the Admissions website at [www.uiw.edu/admissions](http://www.uiw.edu/admissions). Students who have been placed into MATH 0318 and MATH 0319 may choose to take the math challenge exams at the Learning Assistance Center. These assessments determine readiness to succeed in the university by identifying students' academic strengths

any needs that must be addressed to gain full benefit of a UIW learning experience.

2. Competence in English

All students whose grade in Freshman Composition I or II is below C must repeat the course. Students receiving a grade below C in Freshman Composition I may not register for Freshman Composition II until successfully completing Freshman Composition I with a grade of C or higher.

## D. Academic Overload

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The student's faculty advisor must approve all requests for an academic overload and forward the request to the Registrar. The Registrar will review all requests and either approve or deny the request based upon factors such as enrollment history, employment, and GPA. Petitions may be considered if the cumulative GPA is above a 3.00. For the fall and spring semesters, enrollments above 18 hours require an overload approval. For the summer term, enrollments above 14 hours for all summer semesters combined require an overload approval.

## E. Attendance

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In general, students are expected to be prompt and regular in attending classes. Attendance policies for individual classes are set by the instructor and written into the course outline. Although absence from class because of illness or emergencies is unavoidable, excessive absences normally affect quality of achievement and, therefore, the grade. The responsibility for attendance is placed primarily on the students. Students who are unable to attend scheduled classes should contact the University Advising Center. Personnel from this office will provide instructors with an explanatory notification of the absence. Such notice, however, does not excuse the absence, and the student must arrange with the instructor to make up work missed. At times, a student who is participating in an activity approved by the University is required to miss a class. Some examples of such activities are (1) those that a student participates in as a condition of his or her University-sponsored scholarship, (2) a college dean-approved event, (3) participation in a University sponsored athletic competition, or (4) those that are a condition of satisfactorily completing the requirements of his/her major.

No student participating in any such event shall be charged with a specific penalty for missing the class, and any student will be given the opportunity to make up work missed in that class within a reasonable period of time. Instructors may wish to indicate more specifically how they will deal with these circumstances in their syllabi.

The University recognizes that there are activities that may be important to the student. Arrangements for dealing with any class work missed as a result of these activities must continue to be negotiated between the student and instructor.

Instructors may require students to withdraw who miss more than 15% of the scheduled classes through any combination of excused and/or unexcused absences. Students who register for classes and cease attending, without dropping

the course or withdrawing from the University, will be charged the tuition for the course and will receive a grade based upon their attendance and all work required.

Students who do not attend the class or classes for which they registered, must drop the class or withdraw from the university. If they do not drop or withdraw, they will be charged for their class or classes and will receive a grade at the end of the semester, whether they attend class or not. It is the student's responsibility to cancel his/her registration if s/he does not plan to attend class or complete the course requirements.

## F. Auditing

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With the permission of the instructor, University of the Incarnate Word students and persons who have not been admitted to the University may register as an auditor provided there is space in the classroom after all registered students have been accommodated. A course must achieve its minimum size without auditors. All audit registrations are subject to the following conditions:

1. An auditor may attend lecture classes but does not submit papers, take examinations, or receive academic credit. Auditors may participate in class discussions only upon invitation of the instructor. Permission to audit does not constitute admission to the University. Credit is not granted for courses that are audited and grades are not recorded.
2. Audits will not be allowed for practice, tutorials, internships, thesis, clinicals, computer or science labs, and similar courses.
3. Full-time students at UIW may audit one lecture course (3 or 4 semester hours) per semester or one course during the summer without additional tuition. The deadline for changing enrollment in a course from graded to audit status is printed in each semester's Schedule of Classes.
4. Non-students who wish to audit must complete an Application for Audit which is available in the Registrar's Office, obtain the approval of the instructor, and pay tuition and fees in the Business Office.
5. Auditors pay 50% of regular tuition for lecture courses; however, full tuition is charged for limited enrollment, private instruction, and studio courses. All course fees are assessed, although other University or non-course related fees are not assessed unless registered for other courses.

## G. Correspondence Work

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After matriculation at UIW, a maximum of 12 semester hours may be accepted through correspondence work. The discipline coordinator must approve courses taken by correspondence before the work begins. Enrollment in correspondence study during the student's final semester may change the date of graduation if work is not completed and received by the Registrar's Office at UIW before the end of the semester during which the student anticipates graduating. A maximum of 30 semester hours may be earned through non-traditional instruction (through a combination of correspondence, professional certification, or credit by examination). Correspondence work is considered transfer work thus subject to the transfer credit limitations.

## H. Independent Study Work

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Independent study is defined as one-on-one instruction between an instructor and a student. The purpose of independent study is to provide a study focus in an area of interest common to both student and instructor.

The course number for an Independent Study is 3X98 or 4X98 with the number of credit hours being variable. An “Independent Study Approval” form must be presented when registering for an independent study course. These forms are available in the Registrar’s Office and online at [www.uiw.edu/registrar](http://www.uiw.edu/registrar). The policies for enrollment in an independent study course follow:

1. Open to juniors and seniors for study in their major or minor area.
2. A minimum GPA of 3.00 (cumulative or most recent term) is required for enrollment.
3. Requires approval of the student’s advisor, instructor directing the course, and the school/college Dean.
4. Enrollment limited to one independent study course per semester.
5. A maximum of 12 semester hours earned through independent study will apply toward the degree.

## I. Inter-Institutional Work

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Students who have been admitted to the University of the Incarnate Word may also attend St. Mary’s University or Our Lady of the Lake University through an Inter- Institutional Agreement established by the United Catholic Colleges of San Antonio. These courses count as resident courses and count in the student’s cumulative average. The Inter-Institutional Agreement form is available in the Registrar’s Office. The following policies apply:

1. No more than 12 semester hours earned through the Inter-Institution Enrollment Agreement will apply toward a UIW degree.
2. No more than six semester hours earned through the Inter-Institution Enrollment Agreement will apply toward a major on a UIW degree.
3. A student enrolling at St. Mary’s University must obtain permission from the department concerned and obtain the name of the person in the department who approved the enrollment.
4. UIW tuition discounts are not authorized for inter-institutional enrollment. Full tuition will be charged.
5. Students attending UIW under institutional scholarships or tuition “trade-outs” for business services are not eligible for this program unless they are willing to pay full tuition for the course.
6. Registration for these courses obligates the student for the appropriate tuition and fees associated with each course.
7. UIW staff/faculty/dependent tuition waivers are not applicable at St. Mary’s University. UIW staff/faculty will be limited to a tuition waiver for three semester hours at the other institutions. All institutions except St. Mary’s University will honor Full/unlimited tuition waiver for employee dependents.

8. Enrollment in a course may be used by the parent institution in computing financial aid awards.
9. A student enrolling in a “travel/credit” program may arrange to pay all associated costs to the parent institution, and the funds will be sent to the institution sponsoring the program.
10. Excluded programs: St. Mary’s University – doctoral and law programs; Our Lady of the Lake – weekend and doctoral programs
11. Approval will not be granted if an equivalent course is available at UIW.

## J. Satisfactory Academic Progress

A full-time student who fails to complete nine semester hours in one semester, will be issued a warning for failure to make satisfactory academic progress. In the subsequent semester, a full-time student who has been given a warning and who again fails to complete nine semester hours will be placed on academic probation for failure to make satisfactory academic progress. A full-time student who in three consecutive semesters fails to complete nine semester hours will be placed on enforced withdrawal for failure to make satisfactory academic progress. Appeals will follow the enforced withdrawal procedure.

## K. Schedule Adjustment

Students are expected to complete all courses for which they register unless they specifically and officially alter their original registration. Students may not attend class without first registering for that class. All registration issues must be resolved by the Friday before finals. In no instance will an enrollment be created for students who complete course work without registering for the class. Registrations may be altered through three processes: adding a class or classes, dropping a class or classes, or withdrawing from the University.

### 1. Add Procedure

After a student has registered for classes, he/she may change his/her schedule by either adding or dropping a class or classes. In each instance, an official form, the add slip, must be completed by the student and approved by the student’s advisor. In instances where the intended class is closed, the instructor’s and Dean’s signatures are also required. No add is considered official until the Registrar’s Office receives the approved form. The last day to add a class for any given semester is printed in the Schedule of Classes.

### 2. Drop Procedure

The drop slip is required when students want to drop a class or classes and remain enrolled in at least one course for the semester. See the “Withdrawal” section for withdrawing from the university completely. To drop a class or classes, the student needs his/her advisor’s signature. No drop is considered official until the Registrar’s Office receives the approved form. The last day to drop a class and receive a refund is also printed in the Schedule of classes. Students who drop a course or courses after the last day to drop a course with a refund will be charged for the course they drop. Students who drop a course or courses before the “Last Day to Drop a Course with a ‘W,’” as noted in the



academic calendar, will receive a grade of “W.” After this final date, the calculation of the final grade will reflect requirements for the entire course.

### 3. Withdrawal Procedure

An official withdrawal indicates a student’s desire to be removed from all classes in which he/she is enrolled for a semester. Students may withdraw from the University without academic penalty through the Friday before finals. In this case, the student will receive a grade of “W” for all courses attempted. In no instance may a student withdraw from classes after finals have begun.

- **CONSEQUENCES OF WITHDRAWING:** A withdrawal affects both a student’s bill as well as any financial aid the student may have received. Students may or may not be eligible for a refund or a reduction of charges based upon the date of the withdrawal. The refund schedule defines the amount of tuition and fees (if any) to be refunded based on the date of withdrawal. A separate Return of Title IV calculation must be processed on any financial aid the student has received and may result in the student having a balance with the University after withdrawing.
- A student’s withdrawal from the University will be considered as occurring the day the student turns in the withdrawal form to the Office of Student Success (for undergraduate students) or to the Office of Graduate Studies and Research (for graduate, doctorate, and professional students). The student must obtain a signature from the appropriate office before the student’s withdrawal will be considered official.
- If you attend class in any semester and then withdraw or earn zero credit after aid has been disbursed, you may be required to return any funds received, including funds credited to pay tuition and fees.
- Financial aid must be used for educationally related expenses during your dates of enrollment. Federal regulations require the Financial Aid Office to calculate the amount of aid you “earned” for the number of days you attended. Any “unearned” aid for when you did not attend classes or were not enrolled must be repaid.
- If you withdraw before the start of the semester or never attend any classes, 100% of aid disbursed to you must be repaid. If a repayment is owed, you will be billed by the Business Office. You may not register and are not eligible for further aid until repayment is made in full. Additionally, we may also report you to a collection agency until we receive full funds and your balance is cleared.
- Exit interviews are required to complete the withdrawal process. If you received a Perkins loan, complete the exit interview online at [www.uasexit.com](http://www.uasexit.com). If you received the Stafford and/or Graduate PLUS loans, complete an exit interview online at [www.mappingyourfuture.org/OSLC](http://www.mappingyourfuture.org/OSLC) (choose Stafford Exit or Stafford and Grad PLUS Combined Exit).

Students who stop attending without properly withdrawing from the university will receive a grade and will be responsible for full payment of all tuition, fees, and other charges. Students are responsible for their grades and all charges whether they attend class or not.

## L. Student Responsibility Statement

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In general, students are expected to register for class, attend regularly, and complete the course requirements, for which they will receive a grade. The responsibility for enrollment, attendance, completing course requirements and meeting institutional academic and financial obligations is placed solely with the student.

We consider your registration a contractual relationship with the University and identify your responsibilities below:

- You are responsible for knowing and following the policies, deadlines, and procedures outlined in this publication and other publications related to your registration and/or the conferral of your degree.
- You may not attend a class for which you are not registered.
- You will receive credit for only those classes for which you officially register.
- Your enrollment and/or your attendance in a class indicate your intent to receive credit and acceptance of all University charges for the semester.
- You are responsible for cancelling your registration if you do not plan to attend class or complete the course requirements for which you registered.
- You are responsible for your financial obligations with the University regardless of your payment method and regardless of whether you attend class or not.
- You are responsible for making arrangements to pay for your charges and doing so by the deadline posted in the schedule of classes.

## M. Study Abroad Enrollment

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Students may broaden their educational experiences through enrollment in study abroad in colleges and universities in other countries. The University of the Incarnate Word has more than 90 sister-school agreements with colleges or universities in numerous countries to facilitate enrollment and transferability of credits. Detailed information about the Study Abroad Program may be obtained through the Study Abroad Office. The following policies apply to enrollment in courses through the Study Abroad program:

1. Students must be in good academic standing.
2. Candidates should have completed 12 semester hours at UIW.
3. Candidate must receive approval of their academic advisor as well as the Study Abroad Coordinator before departing to the country where the study is intended or before enrolling in the approved institution.
4. Candidates must complete the Study Abroad Application six months before they intend to leave.

## N. Study at Another Institution

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After matriculating at the University as a degree-seeking student, a student must obtain prior written approval to transfer any additional credits from other institutions. The “Request to Study at Another Institution” form is available in the

## ENROLLMENT AND ATTENDANCE POLICIES

Registrar's Office and online and must be approved before enrolling for credit elsewhere. Transfer work approved on this form will be accepted and applied toward the degree indicated if the grade earned is a "C" or higher. It will be the student's responsibility to furnish the Registrar's Office with an official transcript reflecting completion of the course work.

All institutional policies will be observed when considering all requests to Study at Another Institution. Acceptance of credits approved through study at another institution will not decrease the hours required through institutional policies. Approval will not be granted if an equivalent course is offered at UIW.

Transfer credit may not be awarded if the student enrolls in classes at another institution without first gaining approval to transfer those hours back to UIW.

## *Grades and Academic History Policies*

### A. Academic Integrity Policy

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University of the Incarnate Word is strongly committed to the nurturing of academic excellence. The University expects its students to pursue and maintain truth, honesty, and personal integrity in their academic work. Academic dishonesty, in any form, constitutes a serious threat to the freedoms, which define an academic community. The following definitions and guidelines have therefore been established to secure the maintenance of academic integrity at Incarnate Word.

#### I. FORMS OF ACADEMIC DISHONESTY INCLUDE, BUT ARE NOT LIMITED TO:

1. Cheating on tests, examinations, or other class or laboratory work.
2. Plagiarism (appropriation of another's work and the unacknowledged incorporation of that work in one's own written work offered for credit).
3. Counterfeit Work – including turning in as one's own, work which was created, researched, or produced by someone else.
4. Falsification of Academic Records – knowingly and improperly changing grades on transcripts, grade sheets, electronic data sheets, class reports, projects, or other academically related documents.
5. Unauthorized Reuse of Work – the turning in of the same work to more than one class without consent of the instructor involved constitutes academic dishonesty.
6. Theft – unauthorized use or circulation of tests or answer sheets specifically prepared for a given course and as yet not used or publicly released by the instructor of a course, or theft of completed tests.
7. Collusion – Involvement in Collusion -unauthorized collaboration with another to violate a provision of the Code of Academic Integrity.
8. Facilitating Academic Dishonesty – intentionally or knowingly helping or attempting to help another to violate a provision of the Academic Integrity Policy of the University.

Instructors who are concerned that some form of academic dishonesty has occurred shall confront the student directly and may take the matter to the Dean of their College/School. Any member of the student body or the staff of University of the Incarnate Word who is concerned that a student has engaged in some form of academic dishonesty should report the incident to the Dean of the College/School which oversees the course in question. The Dean will then convene the College/School's Academic Honor Board and initiate the process of investigation outlined in II. B. below.

#### II. PROCEDURES FOR INVESTIGATING CLAIMS OF ACADEMIC DISHONESTY AND ASSESSING SANCTIONS

##### A. Sanction Assessed by Faculty.

Before any sanction by a faculty member is assigned, the instructor must meet with the student about the violation. Sanctions must be confirmed in writing to the student, copied to the Dean of the College/School, which the instructor is a member, and copied to the Academic Vice President. These records ARE NOT placed in the student's permanent academic file and will be destroyed when the student graduates or otherwise ceases his/her relationship with the University.

1. When Guilt Is Admitted.

If a student who is confronted by a faculty member for engaging in academic dishonesty openly admits to wrongdoing, the instructor will:

- a. Give the student an F for the assignment in question, and may
- b. Forward the case to the Academic Honor Board of the College/School to consider additional sanctions.

2. When Guilt Is Not Admitted.

If a student accused by a faculty member of academic dishonesty does not admit wrongdoing, his/her appeal should be made directly to the Dean of the College/School with course responsibility so that the Academic Honor Board can formally investigate the allegation and decide which action should be taken.

B. Sanctions Assessed by the Academic Honor Board

When cases alleging academic dishonesty are forwarded to a College Dean, he or she will convene an Academic Honor Board. The student (respondent) alleged to have engaged in academic dishonesty will be notified of the convening of the Board. Notices may be personally delivered to the respondent or by placing a notice addressed to the respondent to the respondent's Campus Mail Box or sent by certified mail to the respondent's home address. The Board will be comprised of two members of the faculty from the School/College selected by the Academic Dean and two students selected from a list of students previously identified by the college faculty. The Dean will serve as chairperson of the Board; however, he/she will only vote in cases where the Board is split on any given decision.

The respondent may request that a student or faculty member not sit in judgment if he/she feels that the vote may be biased or prejudiced as a

consequence. Some substantiation of the claim of prejudice may be required, and the final decision shall rest with the Dean.

The Dean of the College/School that convened the Board shall make substitutions to the Board in order to maintain a quorum of five members.

The student (respondent) is presumed not to have engaged in academic dishonesty. A finding of academic dishonesty shall be by majority vote of the Board. If the Board finds that the respondent engaged in academic dishonesty, the Board may impose Sanctions. Sanctions may include:

1. receiving an "F" for the assignment in question,
2. receiving an "F" for the course,
3. academic suspension,
4. dismissal from the University, and/or
5. other action deemed appropriate.

The procedure of formal inquiry by the Academic Honor Board will include:

1. Securing a written statement describing the nature and circumstances of the alleged offense from the student, faculty, or staff member making the allegation.
2. Securing a written statement from the respondent relating to the allegations.
3. Interviewing separately the respondent and the faculty/staff member alleging the dishonesty in order to clarify and to expand the written statements.
4. Interviewing any witnesses or other persons claiming knowledge of the incident.
5. Securing, examining, and retaining any physical evidence related to the incident. Using written statements, interviews, and available physical evidence, the Academic Honor Board will decide the validity of the alleged incident of academic dishonesty.

The decision of the Board will be communicated in writing to the respondent by being personally delivered, placing the findings in an envelope addressed to the respondent at the respondent's Campus Mail Box, or sent by certified mail to the respondent's home address.

Pending the final action of the Academic Honor Board, the status of the student shall not be altered, and his/her right to be present on campus, to attend classes, and/or to participate in University sponsored activities shall not be affected

### III. APPEALS OF DISCIPLINARY SANCTIONS ASSESSED BY ACADEMIC HONOR BOARD

Any respondent who disagrees with the findings of an Academic Honor Board may appeal to the Vice President for Academic and Student Affairs who creates a Committee on Academic Integrity, which is comprised of the Dean of Campus Life, an elected member of the Faculty Senate, and an elected member of the Student Government Association (SGA).

- A. Timetable – Appeals to Academic Honor Board decisions must be submitted in writing to the Committee on Academic Integrity within ten working days of the Board's decision.
- B. Following a review, the Committee on Academic Integrity may uphold, modify, or reverse the findings of the Academic Honor Board.

The decision of the Committee on Academic Integrity shall be considered final. A written statement shall be sent to the appellant no later than three days after the Committee's decision is reached.

## B. Classification of Students

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Entrance and subsequent conditions having been removed, students are classified according to the number of hours completed:

Freshmen	1-31 semester hours
Sophomores	32-63 semester hours
Juniors	64-95 semester hours

Seniors 96 or more semester hours

### C. Dean's List

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Admission to the Dean's List is based on achievement during a semester. To qualify for the Dean's List, a student must be enrolled for at least 12 semester hours (or have full-time status). A student needs at least 12 hours of graded coursework (not to include ESL or Academic Literacy courses), have no IP grades, and have a GPA of 3.5 or above. A student's name will not be posted on the Dean's List following the completion of an IP.

### D. Honor Societies

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Full-time juniors and seniors in the top 10% of their classes are eligible for invitation to Alpha Chi Honor Society. Freshmen attaining a 3.50 GPA in their first semester at UIW are eligible for invitation to the Alpha Lambda Delta Honor Society. With the assistance of faculty sponsors, members plan and participate in a variety of intellectually stimulating activities.

### E. System of Grading

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A and A-	Indicate a superior grasp of the subject matter of the course, initiative and originality in attacking problems, and ability to relate knowledge to new situations.
B+, B, and B-	Indicate better than average grasp of the subject matter of the course and ability to apply principles with intelligence.
C+ and C	Indicate an acceptable grasp of the essentials of the course.
D+, D, and D-	Indicate less than average performance in the course.
F	Indicates failure to master the minimum essentials of the course. The course must be repeated.
IP	Indicates that the student's achievement in the course has been satisfactory, but for some good reason certain prescribed work is incomplete or the student has been unable to take the final examination. On satisfactory completion of the course, the student will receive the grade that the quality of his or her performance merits. If the work is not made up within six months, the IP will revert to a grade of F. The grade of IP will not be computed in the GPA.
N	Indicates that no grade has been reported. This is usually not a permanent grade and rarely appears on a transcript.
Pass/Fail	Students may take as many as four non-major elective semester courses on a credit/no credit basis. Such courses, if passed, will be counted toward graduation, but will not be considered in computing the GPA. A minimum grade of C is needed to receive credit in a Pass/Fail course. Freshmen are not permitted to take courses on a Pass/Fail basis. Students will be allowed to change a course enrollment from graded to Pass/Fail status until the last day for adding a course. See each semester's Course Schedule for details.
Q	Indicates student never attended class

- S Indicates satisfactory completion of course requirements. Reserved for specific courses (e.g. thesis, dissertation, internships, etc.). Grade counts toward graduation requirements but not toward GPA calculation.
- W Indicates that the student has officially withdrawn from the course or the University.

Once grades are recorded, grades other than IP cannot be changed, except in the case of instructor error. In no case may a grade other than IP be changed without the permission of the school/college Dean. Additional work performed by a student may not be used to raise a grade that has been recorded by the Registrar. If course work has not been completed within six months, the IP grade will be turned to a grade of F. Grades are presumed to be correct when entered on the student’s record. Questions regarding the accuracy of the grade must be raised within one calendar year. Grades are not subject to challenge after one year and will not be changed.

Students who have complaints about academic advisement or other issues related to academic policies, procedures, or deadlines should contact the Dean of Student Success, CPO 96, (210) 805-3005. Students who believe they have received unfair treatment involving their academic work must first meet with their instructor. Unfair treatment applies to any act which may be perceived as either prejudiced or arbitrary in the evaluation of a student’s performance, or in the imposition of sanctions without regard for due process. If the complaint is not resolved to the satisfaction of the student, the student shall have the right to appeal a decision in writing to the Dean of the school or college, or a person designated by the Dean, where the instructor resides. The Dean's decision is final and there is no further appeal to another administrative officer. Students may obtain the formal appeals form from the office of the Dean in whose college/school the instructor resides.

## F. Honor Points

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To calculate the GPA, points are assigned to semester hour grades as follows:

A	4.0	C	2.0
A-	3.7	D+	1.3
B+	3.3	D	1.0
B	3.0	D-	0.7
B-	2.7	F	0.0
C+	2.3		

The GPA is determined by dividing the number of grade points earned by the number of semester hours attempted. The semester GPA used is based on the total grade points earned at the University of the Incarnate Word. The cumulative/over-all GPA is based upon all hours attempted, regardless of the grade earned and to include both transfer and UIW credits.

## G. Repeat Policy

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Courses may be repeated; thereby removing the first attempt from the grade point average calculation. Only University of the Incarnate Word courses can



replace courses recorded at the University of the Incarnate Word. Transfer work, CLEP, or departmental examinations cannot be used to repeat a course recorded at the University of the Incarnate Word. The last grade earned will be used in the calculation of the grade point average. Courses used to repeat recorded grades must be the exact course (i.e., same course number and title) of the original course for which the repeat is intended. While other courses may substitute for degree course requirements, they will not remove the original recorded grade from the grade point average calculation.

## H. Satisfactory Academic Progress

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### Probation

Full time students who have a cumulative GPA of less than 2.0 will be placed on scholastic probation. Students on scholastic probation must meet with an advisor from the Office of the Dean of Student Success and complete a learning contract that maps specific requirements for the subsequent semester. Learning contracts may limit the hours of enrollment, require the student to attend tutoring sessions and/or have other stipulations that the advisor has determined will assist the student in his/her path to graduation. The contract must be signed by the student and the Dean of Student Success by the end of the second week of classes of the semester that the student is on scholastic probation. If a student does not complete the contract and/or satisfy the terms of the contract, the student may not be allowed to continue enrollment at the University of the Incarnate Word. This decision will be made by the Dean of Student Success and the Provost of the University. Students and their academic advisor will be notified of their academic standing at their official University Cardinal e-mail address.

### Suspension

Students who earn a semester GPA of less than 2.0 in two consecutive semesters and have a cumulative GPA of less than 2.0 will be suspended from the University of the Incarnate Word. Notification of suspension will be sent from the office of the Dean of Student Success to the student's official University Cardinal e-mail address. Students who are on suspension from the University will be withdrawn from all classes and will not be allowed to register for subsequent semesters. Students on suspension may apply for readmission after one year of productive activity, preferably academic. Readmission requires the approval of the Committee on Admission in consultation with the Dean of Student Success. If readmission is granted, the student will be conditionally admitted and will need to complete a learning contract. A student may appeal the Suspension status by sending a letter to the Dean of Student Success. All appeals will be reviewed by the Dean of Student Success and the Provost or the Academic Dean of the School or college of the student's major. The student will be notified of the appeal decision by an e-mail from the Office of the Dean of Student Success.

Students who are required to withdraw from the University may apply for readmission after one year of productive activity, preferably academic. Such readmission requires the approval of the Committee on Admission in consultation with the Vice President for Academic and Student Affairs. If readmission is

granted, the student will be on scholastic probation, with enrollment limited to 12-13 semester hours for full-time students.

Part-time students who fail to earn a C (2.0) in any six semester hours out of 12 semester hours attempted may be required to withdraw from the University. Part-time students enrolled for at least six credits and with a GPA below 2.0 may be placed on probation.

In special circumstances, a student who is placed on enforced withdrawal:

1. May appeal the action and be allowed to register the following semester after appropriate review and approval from the Dean of Student Success and Provost.
2. The Dean of Student Success and Provost may mandate any specific conditions deemed appropriate.
3. If, at any time, during that semester the student has not satisfied the conditions stipulated, he or she may be required to withdraw from the University.

Compliance with rules is expected of all students. Those who fail to meet these regulations will be required to withdraw when the general welfare demands it.

NOTE: Students who receive financial aid must comply with financial assistance policies on satisfactory academic progress as described in the Financial Aid Section.

## *Graduation Policies*

Refer also to the "Degree Requirements," section cited earlier in this catalog, for institutional requirements related to the conferral of the undergraduate degree. Enforcement of institutional requirements and graduation policies control the awarding of the degree.

A "C" average (2.0) is required for graduation. To be listed as a candidate for a degree, the student must meet the requirement by the end of the first semester of the senior year.

### **A. Bulletin for Graduation**

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Candidates for the associate's or bachelor's degree may obtain the degree according to the requirements of the catalog in effect when they enroll at the university or from the catalog for any subsequent year thereafter. Candidates must complete the degree within eight years of date of the chosen catalog. After the expiration of that time period, degree candidates will be held to the requirements of the current catalog. Whenever required courses are discontinued, the College/School Dean may authorize substitutions.

In instances where students are readmitted into programs that have substantially changed requirements for the degree or major, the catalog selection is at the discretion of the program advisor.

Academic regulations and institutional policies apply to all students, regardless of the degree programs, and provide direction for consistent application of institutional policies. The provisions of this Bulletin, thus academic regulations and institutional policies are subject to change without notice. Changes in Undergraduate Bulletin academic and/or institutional policies, other than course requirements and GPA policies for a degree, become effective immediately upon approval by the proper University authorities and are not subject to the "Undergraduate Bulletin of Graduation" rule cited above.

### **B. Graduation Completion Policies**

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Each student must notify the Registrar of his or her intent to graduate by completing an Application for Graduation provided to the student by the Registrar. Applications will not be accepted after the last day to register or add for the semester in which the student plans to graduate. The advisor's recommendation for graduation is required. After receiving the application, the Registrar's Office will prepare a degree audit that will reflect any outstanding requirements that must be completed.

The following policies apply:

1. Once the Registrar's Office receives the application for graduation, communication between the Registrar's Office and the student is by e-mail to the university assigned e-mail account.
2. A \$25.00 graduation fee will be assessed to all applicants for graduation to cover administrative costs of graduation.

## GRADUATION POLICIES

3. Community Service hours must be completed and documented in the Registrar's Office before you apply to graduate or be attached to the application for graduation.
4. Deadlines related to Graduation:
  - Applications for graduation for December are due by May 1 unless the date falls on a weekend in which case the deadline will be the immediately following Monday. Applications for graduation for May are due by October 1 unless the date falls on a weekend in which case the deadline will be the immediately following Monday. Applications for graduation for August are due by March 1 unless the date falls on a weekend in which case the deadline will be the immediately following Monday.
  - Applications received after the posted filing deadline will result in an additional late fee and will not guarantee a timely review of the applicant's file or ensure the distribution of tickets for Commencement. Filing deadlines are listed in the graduation packet sent to the student, in the Academic Calendar, and in the Schedule of Classes. Students are responsible for notifying the Registrar's Office of their change of address or changes in their plans to graduate. Failure to do so will result in the re-assessment of the graduation application fee.
  - The deadline for changing the graduation date is the Friday of the first week of the semester during which you initially plan to graduate. A change of graduation form is required and is included in the graduation packet.
  - All official transcripts must be on file in the Registrar's Office before the final graduation audit will begin.
  - All course substitution forms (where applicable) must be on file in the Registrar's Office the Friday of the first week of the semester during which graduation is planned.
  - Courses in which incomplete grades were previously assigned must be completed by the Friday of the first week of the semester during which graduation is planned.
1. Students cannot receive a grade of "D," "F," "W," or "IP" in their major, minor, concentration, specialization, or teaching field. Receiving such grade will change the date of graduation to the next conferral period.
2. To participate in Commencement exercises, you must register for and remain enrolled in all required courses necessary for graduation prior to or during the fall or spring semester in which you intend to graduate. You cannot receive a grade of "W" in courses used to satisfy degree requirements. Receiving such grade will change your date of graduation to the next conferral period. Dropping a course or courses will remove you from candidacy and will prevent you from attending the Commencement ceremonies.
3. Students completing degree requirements during the summer participate in the December Commencement ceremonies.
4. Transcripts or test scores for courses taken at other institutions during the final semester of enrollment at the University of the Incarnate Word must be in the Registrar's Office at UIW no later than two weeks after the end of the semester. Transcripts received beyond this deadline will result in a change of graduation date.

5. Your account balance must be clear before you begin final exams during your final semester or you will not be permitted to participate in the Commencement Ceremonies. Refer to the deadlines posted online, at the graduation link, on the Registrar's Office web page.
6. If you do not graduate as intended and a diploma has been ordered for you, you will be charged a fee to replace the diploma.

### C. Graduation Honors

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Undergraduate students who complete associate or baccalaureate degree requirements and have earned a minimum of 45 semester hours at UIW (excluding credit by examination or professional certification) are eligible to graduate with honors. The GPA achieved in all college-level semester hours attempted, to include transfer work, will determine the level of honors. Graduation distinctions are cum laude for students completing with a 3.5 GPA, magna cum laude for students with a 3.7 GPA, and summa cum laude for students with a 3.9 GPA.

### D. Participation in Commencement Ceremonies

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To participate in Commencement exercises, a student must have registered for and remain enrolled in all required courses necessary for graduation prior to or during the semester in which he/she intends to graduate. Students who do not graduate at the close of the term for which they applied must re-apply for graduation. Changing the date of graduation after graduation plans have been set may result in a change of graduation fee. The student must not have “holds” imposed by any department or office to participate in the Commencement ceremonies or graduate. All course work must be completed before the last day of the semester during which the student intends to graduate. Grades of IP will prevent the conferral of a degree until the next conferral period.

Students who complete degree requirements during the summer months graduate in August and participate in the December Commencement ceremonies.

## *Student Educational Records and Student Privacy*

### **A. Educational Records**

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The University of the Incarnate Word maintains educational records for all current and former students who officially enrolled. Student records at the University are subject to the provisions of the Family Educational Rights and Privacy Act of 1974, as amended. Students have the right to file a complaint with the U.S. Department of Education concerning compliance issues. The name and address of the appropriate office is:

Family Policy Compliance Office  
U.S. Department of Education  
400 Maryland Avenue, SW  
Washington, DC 20202-4605

### **B. Educational Records Fee**

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Upon matriculation, all students are charged a one-time educational records fee of \$30.00 to cover administrative costs associated with the creation and maintenance of the students' educational record. After payment of this fee, transcripts are issued to students free of charge.

### **C. Educational Records on Campus**

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Educational records are those records directly related to a student for the purpose of recording the educational endeavor of the student. They do not include law enforcement records, employment records, medical records, alumni records, or faculty advisor/instructor notes. Educational records may be stored in many mediums and are not limited to an individual file.

### **D. Educational Record Review**

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Students have the right to inspect and review their educational record. All requests must be in writing to the Registrar and must identify the record(s) they wish to inspect. The University official will make arrangements for access and notify the students of the time and place where the records may be inspected. If the University official to whom the request was submitted does not maintain the records, that official shall advise the student of the correct official to whom the request should be addressed. The response from the University official will be within 45 days of the receipt of the request for access.

### **E. Educational Record Revision**

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The student may request an amendment to the educational record if they believe it is inaccurate or misleading. The amendment of the educational record does not pertain to the grade assigned by the faculty. The student should write to

the Registrar to request the amendment. The request must clearly identify the portion of the record he/she wants changed, specifying why it is inaccurate or misleading. If the University does not amend the record as requested, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

## F. Educational Record and Student Confidentiality

The University of the Incarnate Word will not disclose any personally identifiable information about students (except directory information listed below) without the written consent of the student.

Directory information at the University of the Incarnate Word has been identified as:

- Student's Name
- Participation in officially recognized activities and sports
- Address
- Telephone Listing
- Weight and height of members of athletic teams
- Electronic mail address
- Photograph
- Degrees, honors, and awards received
- Date and place of birth
- Major field of study
- Dates of attendance
- Grade level
- The most recent educational agency or institution attended

Each student has the right to restrict the release of any or all of this information by submitting a written request to the Registrar's Office. School officials with legitimate educational interests may have access to educational records, without the students' consent, if the record is needed in order to fulfill his or her professional responsibilities. School officials are identified as: a person employed by the University in an administrative, supervisory, academic or research, or support staff position, a person or company with whom the University has contracted, a person serving on the Board of Trustees, or a student serving on an official committee, or assisting another school official in performing his or her tasks.

## G. Transcripts

Students may obtain a transcript of academic records from the Registrar's Office after initiating a request through that office. The University reserves the right to withhold transcripts for those students who have not met all conditions for admission or who have outstanding financial obligations.

The normal turn-around time for responding to transcript requests is three-to-five days. However, during peak periods, such as the end of the semester or during registration, response to transcript requests may take longer. There is no

STUDENT EDUCATIONAL RECORDS AND STUDENT  
PRIVACY

charge for the transcript. The fee for same-day-service is \$10.00. Same-day-service is not available during peak periods. Transcripts are limited to 10 per week. Requests beyond 10 transcripts per week will be charged \$5.00 per transcript, payable in advance.

The University will not provide copies of transcripts or test scores received from other institutions. Official documents submitted to the University of the Incarnate Word become the property of the University and cannot be returned. Students should apply to the original institution for official copies of work completed before attendance at the University of the Incarnate Word.



## *VI. Undergraduate Programs*

### *Academic Literacy*

The University offers courses in Mathematics, Reading, and Writing for students entering with a need to acquire competencies for success in mainstream college courses. As part of the Target Core Courses, students who need these courses, based on Assessment Testing or Placement, are required to complete these courses within their first two semesters. Students requiring these developmental courses are limited in what courses they can take before successfully completing these requirements.

### *Learning Communities*

Learning Communities are two or three linked courses that share common themes to create interactive learning partnerships between courses. Students enrolled in these grouped courses become a sharing community; along with their instructors, they collaborate and learn together. Learning Communities launch the educational career for entering first-year students at UIW. Typically, an entering first year student's first semester schedule is built around a learning community cluster of two integrated courses. Learning community offerings satisfy first semester General Education requirements, Honors Program tracks, and discipline-specific clusters for students who have already decided upon their majors.

## *College of Humanities, Arts, and Social Sciences*

### Programs Offered

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#### ANTHROPOLOGY (ANTH)

[Course Descriptions, page 242]

Anthropology promotes a more conscious and balanced perspective on one's own cultural traditions, and an understanding of human cultural and ethnic diversity as well as the common realities that unite us all.

#### ART (ARTS) and ART HISTORY (ARTH)

[Course Descriptions, pages 241]

The program in Art balances studies in the liberal arts and sciences with studio art and art history. Focal areas include a BA in Studio Art, a BFA in Studio Art, a minor in Art, a minor in Art History, and a minor in Photography. Course offerings are designed to develop personal awareness and individual self-expression. The goal of the program is to impart an informed understanding of art through creative work and discerning observation, as well as prepare the student for entry into an MFA program and/or for participation in the professional art world, thus adding to the cultural resources and enrichment of students' lives.

Major Requirements for a Bachelor of Fine Arts in Art:  
87 semester hours in Art/Art History as follows:

1. 27 semester hours in Art:

ARTS	1301/2301	Drawing I and II
ARTS	1311/2311	Design I and II
ARTS	2320	Painting I
ARTS	2342	Ceramics I
ARTS	2351	Printmaking I
ARTS	2357	Photography I
ARTS	2361	Sculpture I

2. 6 required hours of lower level art history:

ARTH 2361 Art History: Ancient Through Medieval

ARTH 2362 Art History: Renaissance to Modern

3. 9 semester hours of upper division Art courses:

ARTS 3300 Color Theory for Artists

ARTS 3390 Junior Studio

ARTS 4390 Senior Capstone

4. 21 additional hours of a concentration in a single discipline, of which 15 hours

must be upper division, in one of the following areas:

drawing, painting, printmaking, photography, ceramics, or sculpture.

5.12 additional semester hours of studio art and design electives, six of which must be upper division.

6. 12 additional hours of upper level art history and criticism, all of which must be upper division, as follows:

ARTH 3360 Survey in Contemporary Art

ARTH/PHIL 3375 Philosophy of Aesthetics

6 elective hours of upper level art history

Major Requirements for a Bachelor of Arts in Art:

42 semester hours in Art/Art History as follows:

1. 21 semester hours in Art:

ARTS 1301/2301 Drawing I and II

ARTS 1311/2311 Design I and II

ARTS 2320 Painting I

ARTS 3390 Junior Studio

ARTS 4390 Senior Capstone

2. 12 upper division hours in Art (6 of these may be in ARTH)

3. 9 semester hours in Art History:

ARTH 2361 Art History: Ancient through Medieval

ARTH 2362 Art History: Renaissance to Modern

3 additional upper division hours in Art History.

Requirements for a Minor in Art:

ARTS 1301, 1311, 2301, 2311, 2320, and 6 upper division hours in ARTS.

Requirements for a Minor in Art History:

ARTH 2361, 2362, 3360 or 4360, and 6 additional upper division hours in ARTH.

Requirements for a Minor in Photography:

ARTS 1311, ARTS/COMM 2357, ARTS/COMM 3358, ARTH 3357, ARTS 3360 or ARTS 3365, and one of the following: ARTS 3360, ARTS 3365, ARTS 4355, ARTS 4360, ARTS 4388, COMM 1301, COMM 4315, COMM 4350, THAR 3363, or ARTS 43XX Topics in Photography

Recommended Sequence of Courses in the Major for the BFA:

Freshman Year

ARTS 1301 Drawing I

ARTS 1311 Design I

ARTS 2301 Drawing II

COLLEGE OF HUMANITIES, ARTS, AND SOCIAL  
SCIENCES

ARTS 2311 Design II

Sophomore Year

ARTH 2361 Art History: Ancient through Medieval  
 ARTS 2320 Painting I  
 ARTS 2357 Photography I  
 ARTH 2362 Art History: Renaissance to Modern  
 ARTS 2351 Printmaking I  
 ARTS 2342 Ceramics I  
 ARTS 2361 Sculpture I

Junior Year

ARTH 3360 Survey in Contemporary Art  
 ARTS 3300 Color Theory for Artists  
 ARTS 3390 Junior Studio

9 semester hours in upper level courses in the concentration  
 3 semester hours in upper level art electives  
 3 semester hours in upper or lower level art electives  
 3 semester hours in upper level Art History

Senior Year

ARTH/PHIL 3375 Philosophy of Aesthetics  
 ARTS 4390 Senior Capstone

3 semester hours in upper level Art History  
 6 semester hours in upper level courses in the concentration  
 3 semester hours in upper level art electives  
 3 semester hours in upper or lower level art electives  
 6 semester hours in upper or lower level courses in the concentration

Recommended Sequence of Courses in the Major for the BA:

Freshman Year

ARTS 1301 Drawing I  
 ARTS 1311 Design I  
 ARTS 2301 Drawing II  
 ARTS 2311 Design II

Sophomore

ARTH 2361 Art History: Ancient through Medieval  
 ARTH 2362 Art History: Renaissance to Modern  
 ARTH 2320 Painting I  
 3 semester hours in upper division Art courses.

Junior Year

ARTS 3390 Junior Studio  
 6 semester hours in upper division Art courses.  
 3 semester hours in upper division Art History courses.

Senior Year

ARTS 4390 Senior Capstone  
 3 semester hours in upper division Art courses

## CULTURAL STUDIES (CLST)

[Course Descriptions, page 287]

Cultural Studies is an interdisciplinary field of research and teaching that investigates culture and seeks to create and transform individual experiences, social relations, and power structures. Courses in this field explore the relations between culture, understood as human expressive and symbolic activities, and cultures, understood as distinctive ways of life.

Combining the strengths of the social sciences and the humanities, Cultural Studies draws on methods and theories utilized in traditional disciplines such as literary studies, sociology, anthropology, communication studies, history, philosophy, political economy, psychoanalysis and religious studies, among others. By working across the boundaries of these fields, Cultural Studies addresses new questions and problems arising in today's world. As such, Cultural Studies draws on theories and methods not only from traditional disciplines but also from the growing fields of gender studies, ethnic studies, post-colonial studies, feminism, and media studies. In doing so, it addresses debates concerning the theory of texts and their production; the relationship between culture and politics; the formation of knowledge and institutions; and the nature of cultural antagonisms and crises. In short, Cultural Studies is more than a single body of theory or methods; rather, it is a series of interrelated questions and answers drawn from numerous disciplines.

Students of Cultural Studies will develop flexible tools enabling them to analyze the rapidly changing global environment in which we live. They will learn how to interpret how different aspects of our social world (gender, race, ethnicity, religion, socio-economic class, etc.) influence how we see our world. The process of doing Cultural Studies involves both students and faculty in the dynamic investigation of personal and social values, social location, and the formation of social institutions and worldviews.

### Major Requirements for a Bachelor of Arts in Cultural Studies: 36 semester hours

#### 1. Required CLST Courses (15 semester hours)

CLST	2315	Introduction to Cultural Studies
CLST	2320	Cultural Studies Method: Inquiry and Evidence
CLST	3325	Cultural Studies Theory
CLST	3110 3115 3120	Cultural Studies Colloquia (three 1-hour courses to be taken in the junior and senior years)
CLST	4310	Senior Seminar

#### 2. Required CORE Course

ANTH	1311	Cultural Anthropology
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#### 3. CLST -approved electives (18 semester hours; 12 must be upper division)

COLLEGE OF HUMANITIES, ARTS, AND SOCIAL  
SCIENCES

ANTH	3232	Cultural and Cross-Cultural Communication
ARTH	1310	Masterworks of World Art
ARTH	2361	Art History: Ancient Through Medieval
ARTH	2362	Art History: Renaissance to Modern
ARTH	3360	Survey in Contemporary Art
ARTH	3350	Latin American Art: 20th Century
ARTH	3357	History of Photography
ARTH	3375	Aesthetics: Philosophy of Art and Beauty
ARTH	4360	Issues in Contemporary Art
ARTH	4350	Modern Art of Mexico
ARTS	2357	Photography I
ARTS	3358	Digital Photography
ARTS	3360	Photography II: Documentary Photography
ARTS	3365	Photography II: Directorial Photography
ARTS	4360	Art Photography: Manipulated Images
BINT	3350	Latin American Economics
BMKT	3331	Principles of Marketing
BMKT	3333	Fundamentals of Advertising
BMKT	3340	Retailing
BMKT	3377	Consumer Behavior
COMM	1301	Introduction to Mass Communications
COMM	2310	Theories of Communication
COMM	2357	Photography I
COMM	3320	Aesthetics of Vision and Sound
COMM	3330	Impact of Media on Society
COMM	4305	Communications, Technology and Society
COMM	4315	Media Ethics
COMM	4322	Seminar in Selected Film Topics
COMM	4348	Journalism History
COMM	4350	Photojournalism
ENGL	2360	Literary Theory
ENGL	2383	Introduction to General Linguistics
ENGL	3310	English Literature Survey
ENGL	3320	American Literature Survey
ENGL	3330	Genre Studies
ENGL	3355	Introduction to Rhetorical Theory
ENGL	4320	Period Studies
ENGL	4350	Literary Movements
FMGT	1331	Psychology of Clothing
FMER	2381	Fashion Merchandising
FMER	2383	Visual Merchandising
GEOG	3311	Cultural Geography
GEOG	3312	Geography and Ethnic Groups of Texas and the Southwest
HIST	2322	Texas History
HIST	3324	Colonial America
HIST	3331	Colonial Latin America
HIST	3332	Latin America Since Independence
HIST	4332	Mexico
HIST	4341	Making History
HIST	4350	Selected Topics in World History

COLLEGE OF HUMANITIES, ARTS, AND SOCIAL  
SCIENCE S

HIST	4352	Selected Topics in U.S. History
MUSI	2346	History of Jazz
MUSI	3348	Studies in World Music
PHIL	3315	Philosophy of Human Nature
PHIL	3318	Theories of Reality and Knowledge
PHIL	3320	Philosophy of Love
PHIL	3332	Ethics
PHIL	3351	Ancient Philosophy
PHIL	3352	Medieval Philosophy
PHIL	3353	Modern Philosophy
PHIL	3354	Contemporary Philosophy
PHIL	3355	World Philosophy
PHIL	3365	Philosophy of Religion
PHIL	3370	Philosophy of Science and Technology
PHIL	3375	Aesthetics: Philosophy of Art and Beauty
PHIL	3385	Justice: Tradition and Transformation
PHIL	3395	Feminist Philosophy
PHIL	3390	Philosophy of Black Music
POLS	1391	Human Rights
POLS	2310	Comparative Politics
POLS	2350	Environmental Politics
POLS	3356	Terrorism and Conflict in the International Arena
POLS	3371	Political Theory
POLS	4325	Political Behavior
POLS	4355	Politics of Developing Areas
POLS	4363	Political Globalization
POLS	4387	Topics in Comparative Politics/ International Relations
PSYC	3330	Human Sexuality
PSYC	3331	Abnormal Psychology
PSYC	3351	Social Psychology
PSYC	3355	Psychology of Women
PSYC	3385	Multicultural Issues
RELS	1345	Biblical Themes
RELS	2330	Religion, Values and Film
RELS	2335	US Latino/a Spirituality
RELS	2345	World Religions
RELS	3300	The Religious Quest
RELS	3305	Catholic Social Teaching
RELS	3322	Christianity Through Art
RELS	3335	God and Human Sexuality
RELS	3340	Feminist Theology
RELS	3350	Environmental Theology and Ethics
RELS	4300	Women and Faith
RELS	4310	Women in the Christian Tradition
RELS	4320	US Latino/a Theology and Culture
RELS	4330	Death and Belief
RELS	4345	Theologies of Liberation
SOCI	2335	Social Issues Through Cinema
SOCI	3321	Social Problems and Social Justice
SOCI	3322	Crime and Delinquency

SOCI	3332	Culturology and Cross-Cultural Communication
SOCI	3344	Social Stratification
SOCI	3350	Sociology of Sport
SOCI	3351	Social Psychology
SOCI	3371	Minority Relations
SOCI	3372	Hispanics in America
SPAN	3311	Culture and Civilization of Spain
SPAN	3312	Culture and Civilization of Latin America
SPAN	3343	The Literature of US Hispanics
THAR	1381	Theatre Appreciation

**Requirements for a Minor in Cultural Studies:**  
21 semester hours

1. Required CLST courses (12 hours)

CLST	2315	Introduction to Cultural Studies
CLST	2320	Cultural Studies Method: Inquiry and Evidence
CLST	3325	Cultural Studies Theory
CLST	3110, 3115, 3120	Cultural Studies Colloquia (three 1-hour courses to be taken in the Junior and Senior years)

2. Required Core Course

ANTH	1311	Cultural Anthropology
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3. CLST - approved electives (6 hours; all must be upper division)

See list of approved courses above.

**DANCE (DANC)**

[Course Descriptions, page 288]

Dance courses offer a way of knowing that integrates the body with other fields of knowledge for the development of the whole person. The program offers all students the opportunity to study dance in a nurturing environment wherein each student's physical form and capacity for movement is accepted as worthwhile and unique. Dance courses are offered at the beginning, intermediate, and advanced levels in a number of different styles to meet the varied needs and interests of students.

**ENGLISH (ENGL)**

[Course Descriptions, page 298]

The English Program at UIW is committed to the development of reading, thinking, and writing skills in all of the University's students. This commitment extends the university's mission: through the analysis of language and literature, students find their own voice by way of critical study of other voices.

The study of English develops reading, thinking, and writing skills. Close reading of texts through critical and theoretical frames and the production of clear and logically-argued writing are foundations that prepare for any profession; administration, business, writing, teaching, law, and diplomatic and social services are all apt careers for English majors.



Employers value English graduates for their analytical and communication skills and imaginative creativity; the English Program at UIW reinforces these skills in its program of study. In addition, the program recognizes that many English students elect Graduate Studies; thus, upper division courses provide opportunity for students to hone their research skills and to participate in scholarly discourse outside the local university community.

Preparations for academia, employment in corporate or government sectors, and life experience are enhanced by English literary and cultural studies, which encourage students' expressive and analytical responses to their own and others' social identities, and societal and natural environments, both local and global. Consequently, every course in the program, whether dealing with literature, linguistics, language arts, or writing, has a global dimension.

The English faculty is committed to a rotation of course offerings that is sequential and flexible, covering literature and language, theory and practice. Thus, the department offers courses from the following categories: Core, Surveys, Literary Studies and Criticism, Language Arts and Linguistics, Rhetoric and Professional Writing, and Senior Seminar.

### Major Requirements for Bachelor of Arts in English:

#### 1. 36 semester hours in English (27 hours above the core).

##### A. Core (9 hours)

ENGL	1311	Composition I
ENGL	1312	Composition II
ENGL	2310	World Literature Studies

##### B. Surveys (6 hours)

ENGL	3310	English Literature Survey
ENGL	3320	American Literature Survey

##### C. Electives (18 hours)

Students must take at least 6 hours from the Literary Studies and Criticism Branch:

ENGL	2360	Literary Theory
ENGL	3330	Genre Studies
ENGL	4320	Period Studies
ENGL	4340	Major Authors
ENGL	4350	Literary Movements

Students must take at least 3 hours from the Language Arts and Linguistics Branch:

ENGL	2330	Traditional Grammar
ENGL	2383	Introduction to General Linguistics
ENGL	3385	Integrated Language Arts
ENGL	4367	Literature for Children and Young Adults
ENGL	4360	Applied Linguistics
ENGL	4370	Trends in Linguistics

Students must take at least 3 hours from the Rhetoric and Professional Writing Branch:

ENGL	2365	Professional and Technical Communication
ENGL	3355	Introduction to Rhetorical Theory

- |      |      |                                   |
|------|------|-----------------------------------|
| ENGL | 3360 | Rhetorical Criticism              |
| ENGL | 3365 | Editing and Publishing            |
| ENGL | 3375 | Creative Writing                  |
| ENGL | 4310 | Writing for the Computer Industry |
| ENGL | 4355 | Contemporary Rhetorical Theory    |
- And 6 additional hours of English Elective courses chosen from any of the above branches.

D. ENGL 4301 Senior Seminar (capstone course)

2. The minimum GPA requirement for a “major” is 2.75 overall, and 3.0 in English.

### 3. Special Topics and Independent Study

From time to time, the English Department may offer a course that is unrelated to the above descriptions. Such courses will be widely publicized and offered as Special Topics.

Under exceptional circumstances, a student may propose a course of study that is not covered by existing courses. If a faculty member is agreeable, this may then be followed as an Independent Study. Independent Study is NOT intended as a way of replacing an incomplete course or one that has been closed.

4. English may be taken with a minor of 18 hours, with a minimum of 6 hours at the advanced level. Subjects that may be studied include visual art, history, philosophy, cultural studies, a social science, business administration, or a concentration in a business-related field.

### Requirements for a Minor in English:

1. 21 hours in English (12 hours above the core; six hours must be advanced)

#### A. Core (9 hours)

- |      |      |                          |
|------|------|--------------------------|
| ENGL | 1311 | Composition I            |
| ENGL | 1312 | Composition II           |
| ENGL | 2310 | World Literature Studies |

#### B. Survey (3 hours)

3 hours of either the English Literature or American Literature Surveys

#### C. Electives (9 hours)

3 hours from each of the 3 branches listed above.

Recommended Sequence of Courses in the Major:

#### Freshman Year

- |      |      |                |
|------|------|----------------|
| ENGL | 1311 | Composition I  |
| ENGL | 1312 | Composition II |

#### Sophomore Year

- |      |      |                              |
|------|------|------------------------------|
| ENGL | 2310 | World Literature Studies     |
| ENGL | 2360 | Literary Theory              |
| ENGL | 3310 | English Literature Survey or |

ENGL 3320 American Literature Survey  
At least 1 course from one of the three main  
branches listed above

Junior Year

Complete Literature Survey courses, if needed  
At least 3 hours from two of the main branches listed above

Senior Year

Complete the remaining elective course requirements in the major:  
ENGL 4301 Senior Seminar

## HISTORY (HIST)

[Course Descriptions, page 310]

The mission of the History Department is to provide majors with a firm grounding in the tools of historiography, research, analysis and writing. The Department also provides course work to the general students population in light of its commitment to the mission of the University to produce enlightened, aware citizens of the world.

The curriculum in History leads students to appreciate the development of the contemporary world through the interaction of diverse forces over space and time. The history department supports the global initiatives of the University through its courses in both world and United States history. The study of history involves analysis and integration of a broad range of knowledge. Students acquire skills that prepare them for graduate school or a variety of careers.

Major requirements for a Bachelor of Arts in History:  
39 semester hours in History as follows:

1. 15 semester hours in History:

HIST	1311	World History, part I
HIST	1312	World History, part II
HIST	1321	The United States to 1865
HIST	1322	The United States since 1865
HIST	4341	Making History

2. 9 semester hours to be selected from the following United States History courses:

HIST	3324	Colonial America
HIST	3325	U.S. National Period
HIST	3326	The Rise of Modern America, 1870-1920
HIST	3327	The United States from World War I to World War II
HIST	3328	The United States since 1945
HIST	4352	Topics in U.S. History

3. 9 semester hours to be selected from the following Global History courses

HIST	3331	Colonial Latin America
HIST	3332	Latin America Since Independence

HIST	3340	Modern Europe
HIST	4334	History of Portuguese America
HIST	4336	Topics in Chinese History
HIST	4338	Topics in South Asian History
HIST	4350	Topics in World History

4. 6 additional hours (upper or lower) hours that, in addition to the courses listed above, can include the following:

HIST	2322	Texas History
HIST	4332	Mexico

5. A minor in an approved discipline, or an approved interdisciplinary concentration.

#### Requirements for the minor in History

HIST 1311, 1312, 1321, 1322, plus 3 upper division semester hours to be selected from United Studies History courses and 3 upper division semester hours to be selected from the World History courses.

#### Requirements for a concentration in Brazilian Studies:

The Brazil Studies Program is an Interdisciplinary Concentration, which brings together History, Foreign Language, and Economics. It greatly expands the horizons of the participants and gives them an in-loco experience of the realities of contemporary Brazil. It prepares students for a short-term internship in Brazil, and it is made up of the following 21 credit hours:

PORT	1311	Portuguese I
PORT	1312	Portuguese II
Plus 15 Hours From:		
HIST	1311 or 1312	World History I or World History II
HIST	3332	Latin America since Independence
HIST	4334	History of Portuguese America
HIST	4388	Cultural Internship in Brazil
BINT	3350	Latin America Economics

## INTERNATIONAL STUDIES (INST)

[Course Descriptions, page 310]

A major in International Studies is interdisciplinary in nature and draws upon courses and faculty in schools and departments across the campus. Students are prepared for careers in government, academia, non-profit organizations or business relating to international affairs. As a step in that preparation, students majoring in international studies will normally spend a semester studying outside the United States. The major in international studies includes as well an important component of language and cultural study.

A concentration in international studies will enable students majoring in other

areas to, nevertheless, gain a global perspective through a range of courses focusing on international aspects of curricula in many disciplines including political science, history, art history, sociology, business and economics.

## PROGRAM OUTLINE

### 1. INTERNATIONAL STUDIES

#### BACHELOR OF ARTS - 44 CREDIT HOURS

##### A. Required Courses and Experiences: (17 credit hours)

INST	1310	Introduction to International Studies
INST	3110	International Studies Colloquium (to be repeated once for a total of 2 hours)
INST	4390	International Studies Capstone

##### B. Research Methods class in approved discipline

##### C. 6 Hours of Foreign Language beyond the elementary level

##### D. Study Abroad Experience (May be satisfied through semester abroad or internship abroad)

##### E. 27 credit hours chosen from the following:

9 hours from Group I:	Fine Arts and Humanities courses
9 hours from Group II:	Social Science and Business courses
9 hours electives in any combination from one or both groups	

#### Group I: Fine Arts and Humanities:

ARTH	2361	Art History: Ancient through Medieval
ARTH	2362	Art History: Renaissance to Modern
ARTH	3350	Latin American Art: 20th Century
ARTH	3357	History of Photography
ARTH	4350	Modern Art of Mexico
CLST	3325	Cultural Studies Theory
CLST	2320	Cultural Studies Method: Inquiry and Evidence
CLST	4399	Selected Topics in Cultural Studies
ENGL	2310	World Literature Studies
ENGL	4320	Period Studies- <i>when appropriate</i>
ENGL	4340	Major Authors- <i>when appropriate</i>
ENGL	4350	Literary Movements
HIST	1311	World History I
HIST	1312	World History II
HIST	3331	Colonial Latin America
HIST	3332	Latin America since Independence
HIST	3340	Modern Europe
HIST	4334	History of Portuguese America
HIST	4336	Topics in Chinese History
HIST	4338	Topics in South Asian History

COLLEGE OF HUMANITIES, ARTS, AND SOCIAL  
SCIENCES

HIST	4350	Topics in World History
HIST	4332	Mexico
MUSI	3348	Studies in World Music
PHIL	3325	Philosophy of Culture
PHIL	3355	World Philosophy
PHIL	3385	Justice: Tradition and Transformation
RELS	2345	World Religions
RELS	3322	Christianity through ART
RELS	3350	Environmental Theology and Ethics
RELS	4345	Theologies of Liberation
SPAN	3311	Culture and Civilization of Spain
SPAN	3312	Culture and Civilization of Latin America
<b>Group II: Social Sciences and Business:</b>		
ANTH	1311	Cultural Anthropology
ANTH/SOCI	3232/3332	Culturology and Cross-Cultural Communication
ECON	2301	Macroeconomics
ECON	4310	International Economics
ECON/BINT	4350	Latin America Economics
BINT	3331	International Business Management
BINT	3345	International Accounting
BINT	3355	International Banking and Finance
BINT	3361	International Marketing
BINT/ECON	4350	Latin America Economics
BINT	4390	International Policies and Relations (Study Abroad)
POLS	1391	Human Rights
POLS	2350	Environmental Politics
POLS	2375	International Organizations
POLS	2376	Model Organization of American States
POLS	3356	Terrorism and Conflict in the International Arena
POLS	4321	U.S. Foreign Policy
POLS	4322	National Security Policy
POLS	4323	Politics of Coffee and Sugar
POLS	4330	International Law
POLS	4355	Politics of Developing Countries
POLS	4363	Political Globalization
POLS	4387	Topics in International Relations
POLS	4387	Topics in Comparative Politics

## 2. Interdisciplinary Concentration in International Studies

6 hours from the following:

INST 1310 Introduction to International Studies

Research Methods class in approved discipline

Study Abroad Experience: May be satisfied through semester abroad, course-based study abroad, or internship abroad.

12 credit hours chosen from the following:

6 hours from each group:

Group I: Fine Arts and Humanities:

ARTH	2361	Art History: Ancient through Medieval
ARTH	2362	Art History: Renaissance to Modern
ARTH	3350	Latin American Art: 20th Century
ARTH	3357	History of Photography
ARTH	4350	Modern Art of Mexico
CLST	3325	Culture Studies Theory
CLST	2320	Cultural Studies Method: Inquiry and Evidence
CLST	4399	Selected Topics in Cultural Studies
ENGL	2310	World Literature Studies
ENGL	4320	Period Studies- <i>when appropriate</i>
ENGL	4340	Major Authors- <i>when appropriate</i>
ENGL	4350	Literary Movements
HIST	1311	World History I
HIST	1312	World History II
HIST	3331	Colonial Latin America
HIST	3332	Latin America since Independence
HIST	3340	Modern Europe
HIST	4334	History of Portuguese America
HIST	4336	Topics in Chinese History
HIST	4338	Topics in South Asian History
HIST	4350	Topics in World History
HIST	4332	Mexico
MUSI	3348	Studies in World Music
PHIL	3325	Philosophy of Culture
PHIL	3355	World Philosophy
PHIL	3385	Justice: Tradition and Transformation
RELS	2345	World Religions
RELS	3322	Christianity through Art
RELS	3350	Environmental Theology and Ethics
RELS	4345	Theologies of Liberation
SPAN	3311	Culture and Civilization of Spain
SPAN	3312	Culture and Civilization of Latin America

Group II: Social Sciences and Business:

ANTH	1311	Cultural Anthropology
ANTH/SOCI	3232/3332	Culturology and Cross-Cultural Communication
ECON	2301	Macroeconomics
ECON	4310	International Economics
ECON/BINT	4350	Latin America Economics
BINT	3331	International Business Management
BINT	3345	International Accounting
BINT	3355	International Banking and Finance
BINT	3361	International Marketing
BINT/ECON	4350	Latin America Economics
BINT	4390	International Policies and Relations (Study Abroad)
POLS	1391	Human Rights
POLS	2350	Environmental Politics
POLS	2375	International Organizations
POLS	2376	Model Organization of American States
POLS	3356	Terrorism and Conflict in the International Arena
POLS	4321	U.S. Foreign Policy
POLS	4322	National Security Policy
POLS	4323	Politics of Coffee and Sugar
POLS	4330	International Law
POLS	4355	Politics of Developing Countries
POLS	4363	Political Globalization
POLS	4387	Topics in Comparative/International Relations
POLS	4387	Topics in Comparative Studies

LIBERAL ARTS

Required Courses of the Associate of Arts degree with a major in Liberal Arts:

1. Completion of the following Core Curriculum

A. Rhetoric (6 hours)

ENGL 1311 Composition I	3
ENGL 1312 Composition II	3

B. Literature and The Arts (6 hours)

Literature: ENGL 2310 World Literature Studies	3
Fine Art From Art, Art History, Dance, Music Theatre Arts core selections	3

C. Philosophy and Religious Studies (6 hours)

PHIL 1381 Introduction to Philosophy	3
Religious Studies from RELS core selections	3

D. Foreign Language (6 hours)

Select one language from Foreign Language core selection	6
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E. History and Social Science (6 hours)	
History from HIST core selections	3
Social Science from ANTH, ECON, POLS, PSYC, SOCI core selections	3
F. Lab Science and Mathematics (7 hours)	
Science w/Lab from BIOL, CHEM, PHYS, GEOL, core selections	4
MATH 1304 College Algebra	3
G. Wellness Development (3 hours)	
DWHP Dimensions of Wellness or DWHP Bridge	2
PEHP from Physical Education Selections	1

2. 24 hours that may include selections to satisfy transfer requirements to another four-year institutions or selections of electives for concentrations in areas of interest, or as required for majors specified for baccalaureate degree from the University of the Incarnate Word.

3. 22 Clock hours of Community Service is required

## MODERN LANGUAGES

[Course Descriptions, page 367]

The offerings in modern languages develop language proficiency and cultural awareness through collaborative classes where effective communication is the primary goal. Advanced courses in languages from other countries contribute to knowledge about that area as well as the history and structure of the their language and literature. These courses allow students to read and respond in writing to another language, since all advanced courses are taught in the language using authentic texts. The advanced topics courses is designed to support study abroad in languages not usually taught at the advanced level at the University of the Incarnate Word.

### Requirements for a Minor in a Modern Language:

12 hours of courses above the 1000-level in a single modern language, including at least 6 hours at the upper division level.

For information concerning placement in language courses, possible credit by examination, and cooperative arrangements with other universities, students may contact the Modern Languages Chair.

For Spanish, refer to the Spanish program requirements and the Spanish course descriptions sections of this catalog.

## MUSIC (MUAP, MUSI, MUST, MUTH)

[Course Descriptions, page 327]

The mission of the Music Department at the University of the Incarnate Word is threefold: to develop skilled musicians by educating the minds, ears, and souls of our music students within the liberal arts tradition; to serve the general student

population by enriching the CORE curriculum; and to enhance the musical offerings in the UIW and San Antonio communities.

Music students at UIW receive comprehensive instruction in theoretical, historical and stylistic perspectives, and are provided the opportunity for training in music technology. The Music faculty themselves are active performers, composers, clinicians, and scholars who bring practical experience and insight into the classroom. Students are provided with ample performance opportunities through ensemble membership and studio/seminar classes. In accordance with the mission of UIW, the music department encourages the development of musicians who are committed to serving the worldwide community with their art.

**NOTE:** All students wishing to major or minor in music should contact the Music Department (210-829-3855) for advising *before* registering for the first semester's classes. Audition and interview required. (See *Policies for Entering Freshmen and Transfer Music Majors and Minors* further in this section.)

Music majors may choose from among four different degree plans:

- The Bachelor of Music in Music Education with a Minor in All Level Education;
- The Bachelor of Music in Music Therapy, designed to train students in clinical applications of music, blending musical skills with specialized training in the areas of psychology and the behavioral and natural sciences;
- The Bachelor of Arts in Music, a liberal arts degree designed to prepare students for graduate school and/or careers in the field of music or other fields. Students wishing to pursue music careers may combine this degree with an Emphasis in Performance (Vocal or Instrumental) or Composition. (See below for details);
- The Bachelor of Arts in Music with an Emphasis in Music Industry Studies, an interdisciplinary degree that combines the study of music with business courses and prepares students for careers in the music business such as music marketing, publishing, studio production for the media, and artist management.

## Bachelor of Music in Music Education

Major Requirements for the Bachelor of Music in Music Education with a Minor in All Level Education:

(89-96 credit hours in music; 30 hours in education)

The student combines the Bachelor of Music in Music Education with a minor in All Level Education. This degree may require up to ten semesters of study and results in all-level teacher certification at the undergraduate level.

A. 34-38 semester hours of music theory and history:

MUSI	1100	Introduction to Aural Skills (if required, see Policies for Entering Freshmen)
MUSI	1300	Introduction to Music Theory (if required, see Policies for Entering Freshman)
MUSI	1191	Aural Skills I
MUSI	1192	Aural Skills II

MUSI	2193	Advanced Aural Skills III
MUSI	2194	Advanced Aural Skills IV
MUSI	1321	Music Theory I
MUSI	1322	Music Theory II
MUSI	2323	Music Theory III
MUSI	3324	Music Theory IV
MUSI	3323	Orchestration
MUSI	3341	Music History I
MUSI	3342	Music History II
MUSI	3348	Studies in World Music
MUSI	4323	Form and Analysis

One upper level elective MUSI course (3 credit hours)

B. 37-40 credit hours of applied music:

MUSI	1310	Keyboard Skills for Music Majors
MUSI	4344	Conducting

21 credit hours of the principal instrument (MUAP)

6 credit hours minimum of a secondary instrument (MUAP)

7 credit hours of a major ensemble: Chorale, Orchestra, Wind Ensemble, or Jazz Ensemble

#### Recital:

Students seeking a B.M. in Music Education will perform a recital on their principal instrument during the final semester of their private instruction. See *Recital Policies* further in this section, and the private instruction course syllabus for specifics.

C. 18 credit hours of music education courses.

MUSI	3343	Pedagogy of Contemporary Music
MUSI	3344	Creative Development in Music I
MUSI	3345	Brass and Woodwind Instrument Techniques
MUSI	3346	String and Percussion Instrument Techniques
MUSI	3361	Vocal Techniques and Diction
MUSI	4343	Creative Development in Music II

#### All Level Minor in Education:

Students should consult with the UIW Certification Officer (Constance Sabo, 210-829-3132) for more details or changes concerning the minor in All Level Education.

A. 6 credit hours Pre-Professional Requirements:

EDUC	2305	Foundations of Education
EDUC	4345	Creative Play and Play Environments

Admission into Teacher Education Program (no credit hours given)

B. 24 credit hours Professional Development Sequence:

EDUC	3340	Technology in Education
EDUC	3370	Teaching Diverse Populations
EDUC	3373	Learning Theories
EDUC	3380	Pedagogy in the Secondary and Middle School

EDUC	3383	Integrative Pedagogy in the Secondary and Middle School
EDUC	4305	Teacher Apprenticeship Seminar
EDUC	4605	Teacher Apprenticeship

## Bachelor of Music in Music Therapy

Major requirements for a Bachelor of Music in Music Therapy:

(90-94 credit hours in music; 19 credit hours in required science and math)

A. 28-32 credit hours of music theory and history:

MUSI	1100	Introduction to Aural Skills (if required, see Policies for Entering Freshman)
MUSI	1300	Introduction to Music Theory (if required, see Policies for Entering Freshman)
MUSI	1191	Aural Skills I
MUSI	1192	Aural Skills II
MUSI	2193	Advanced Aural Skills III
MUSI	2194	Advanced Aural Skills IV
MUSI	1321	Music Theory I
MUSI	1322	Music Theory II
MUSI	2323	Music Theory III
MUSI	3324	Music Theory IV
MUSI	3341	Music History I
MUSI	3342	Music History II
MUSI	3348	Studies in World Music

One upper level elective MUSI course (3 credit hours)

B. 30 credit hours in music development and performance:

15 total credit hours of private instruction to be distributed among piano, voice, and guitar as deemed necessary by the music faculty.

MUSI	1310	Keyboard Skills for Music Majors
MUSI	3345	Brass and Woodwind Instrument Techniques <i>OR</i>
MUSI	3346	String and Percussion Instrument Techniques
MUSI	4344	Conducting

6 credit hours of major ensembles: Chorale, Orchestra, Wind Ensemble, or Jazz Ensemble

C. 32 credit hours in music therapy:

MUTH	1300	Introduction to Music Therapy
MUTH	2271	Clinical Orientation
MUTH	2351	Music in Therapy I
MUTH	2352	Music in Therapy II
MUTH	3353	Music in Therapy III
MUTH	2388	Piano Improvisation
MUTH	3301	Psychology of Music
MUTH	3305	Creative Improvisation in Therapy
MUTH	4300	Senior Seminar
MUTH	4301	Music Therapy Internship (must be taken twice for a total of 6 credit hours)**

(\*\*Prior to registering for Music Therapy Internship, all Music Therapy majors must pass the Piano Proficiency and a Piano Improvisation Competency exam, and all coursework must be completed.)

D. 19 credit hours in behavioral/natural sciences (including 13 hours taken as part of the Core, indicated by “\*\*\*”)

PSYC	1301	Introduction to Psychology ***
PSYC	3331	Abnormal Psychology ***
BIOL	2321/2121	Anatomy and Physiology I and Laboratory ***
EDUC	4371	Survey of Exceptionalities
MATH	2303	Introduction to Probability and Statistics ***

One 3 credit hour Psychology elective (selected in consultation with advisor.)

## Bachelor of Arts in Music

Major requirements for a Bachelor of Arts in Music:

(58-62 credit hours in music)

A. 34-38 credit hours of music theory and history:

MUSI	1100	Introduction to Aural Skills (if required, see Policies for Entering Freshman)
MUSI	1300	Introduction to Music Theory (if required, see Policies for Entering Freshman)
MUSI	1191	Aural Skills I
MUSI	1192	Aural Skills II
MUSI	2193	Advanced Aural Skills III
MUSI	2194	Advanced Aural Skills IV
MUSI	1321	Music Theory I
MUSI	1322	Music Theory II
MUSI	2323	Music Theory III
MUSI	3324	Music Theory IV
MUSI	3323	Orchestration
MUSI	3341	Music History I
MUSI	3342	Music History II
MUSI	3348	Studies in World Music
MUSI	4323	Form and Analysis

One upper level elective MUSI course (3 credit hours)

B. 24 credit hours of applied music:

MUSI	1310	Keyboard Skills for Music Majors
MUSI	4344	Conducting

12 credit hours of voice or principal instrument (MUAP)

6 credit hours of major ensembles: Chorale, Orchestra, Wind Ensemble, or Jazz Ensemble

Requirements for a Bachelor's of Arts in Music with an Emphasis in Performance: (67-71 credit hours in music)

A. 34-38 credit hours of music theory and history:

MUSI	1100	Introduction to Aural Skills (if required, see Policies for Entering Freshmen)
MUSI	1300	Introduction to Music Theory (if required, see Policies for Entering Freshman)
MUSI	1191	Aural Skills I
MUSI	1192	Aural Skills II
MUSI	2193	Advanced Aural Skills III
MUSI	2194	Advanced Aural Skills IV
MUSI	1321	Music Theory I
MUSI	1322	Music Theory II
MUSI	2323	Music Theory III
MUSI	3324	Music Theory IV
MUSI	3323	Orchestration
MUSI	3341	Music History I
MUSI	3342	Music History II
MUSI	4323	Form and Analysis
MUSI	3348	Studies in World Music
One upper level elective MUSI course (3 credit hours)		

B. 33 credit hours of applied music

MUSI	1310	Keyboard Skills for Music Majors
MUSI	4344	Conducting
18 credit hours in principal instrument (MUAP)		
3 credit hours of piano (or another instrument for piano majors) (MUAP)		
6 credit hours of major ensembles: Chorale, Orchestra, Wind Ensemble, or Jazz Ensemble		

C. Recital:

Students seeking a Bachelor of Arts with an Emphasis in Performance will perform a recital on their principal instrument. See Recital Permission Policy (further in this section) and the private instruction course syllabus for specifics.

Requirements for the Bachelor's of Arts in Music with an Emphasis in Composition (70-74 credit hours in music)

A. 34-38 credit hours of music theory and history:

MUSI	1100	Introduction to Aural Skills (if required, see Policies for Entering Freshmen)
MUSI	1300	Introduction of Music Theory (if required, see Policies for Entering Freshman)
MUSI	1191	Aural Skills I
MUSI	1192	Aural Skills II
MUSI	2193	Advanced Aural Skills III
MUSI	2194	Advanced Aural Skills IV
MUSI	1321	Music Theory I
MUSI	1322	Music Theory II
MUSI	2323	Music Theory III
MUSI	3324	Music Theory IV
MUSI	3323	Orchestration
MUSI	3341	Music History I
MUSI	3342	Music History II

- MUSI 4323 Form and Analysis
- MUSI 3348 Studies in World Music
- One upper level elective MUSI course (3 credit hours)

**B. 36 credit hours of additional coursework and applied music:**

- MUSI 1310 Keyboard Skills for Music Majors
- MUSI 3327 Counterpoint
- MUSI 4344 Conducting
- MUST 2325 Studio Arranging
- 18 credit hours of Private Instruction: Composition (MUAP 2356, 2357, 3356, 3357, 4356, 4357)
- 3 credit hours of a secondary instrument (MUAP Piano highly recommended)
- 6 credit hours of major ensembles: Chorale, Orchestra, Wind Ensemble, or Jazz Ensemble

**C. Recital:**

Students seeking a B.A. with an Emphasis in Composition will perform a senior composition recital that will be at least 1/2 hour in duration. See Recital Permission Policy (further in this section) and composition private instruction syllabus for further details.

## Bachelor of Arts in Music Industry Studies

Major requirements for a Bachelor of Arts with an emphasis in Music Industry Studies (46-50 credit hours in music; 20 credit hours in Music Industry courses; 18 credit hours in business):

**A. 25-29 credit hours of music theory and history:**

- MUSI 1100 Introduction to Aural Skills (if required, see Policies for Entering Freshman )
- MUSI 1300 Introduction to Music Theory (if required, see Policies for Entering Freshman)
- MUSI 1191 Aural Skills I
- MUSI 1192 Aural Skills II
- MUSI 2193 Advanced Aural Skills III
- MUSI 2194 Advanced Aural Skills IV
- MUSI 1321 Music Theory I
- MUSI 1322 Music Theory II
- MUSI 2323 Music Theory III
- MUSI 3324 Music Theory IV
- MUSI 3341 Music History I
- MUSI 3342 Music History II
- MUSI 3348 Studies in World Music

**B. 20 credit hours of Music Industry courses.**

- MUST 2259 Introductory Internship to Music Industry Studies
- MUST 2340 Introduction to Music Industry Studies
- MUST 2350 Music Industry Studies II
- MUST 2325 Studio Arranging
- MUST 3305 Record Production
- MUST 3320 Web Design For Music Applications

MUST 4359 Internship in Music Industry Studies

C. 21 credit semester hours of applied music:

MUSI 1310 Keyboard Skills for Music Majors

MUSI 4344 Conducting

9 credit hours of voice or principal instrument (MUAP)

6 credit hours of major ensembles: Chorale, Orchestra, Wind Ensemble, or Jazz Ensemble

D. 18 credit hours of business, to be chosen from:

ACCT 2301 Accounting for non-Business majors

BLAW 3317 Business Law I

BMGT 3340 Management Theory and Practice

BMKT 3331 Principles of Marketing

BMKT 3333 Fundamentals of Advertising OR

BMKT 3335 Sales Management

BMGT 3354 Human Resource Management OR

BMGT 4355 Organizational Behavior and Leadership

Requirements for a Minor in Music:

24-28 credit hours

MUSI 1300 (if required), MUSI 1100 (if required), MUSI 1191, MUST 1192, MUSI 1321, MUSI 1322, MUSI 3342, Private Instruction (MUAP, 6 credit hours), Major Ensemble (4 credit hours), 3 credit hours upper-division elective (MUSI 3XXX)

Policies for Entering Freshman and Transfer Music Majors and Minors

All students who intend to be music majors or minors must register for: MUSI 1321 (Music Theory I) and MUSI 1191 (Aural Skills I) in the first semester, OR MUSI 1100 (Introduction to Aural Skills) and MUSI 1300 (Introduction to Music Theory) in the second semester, depending upon theory diagnostic exam results (see below).

Anyone seeking a B.M. in Music Education or a B.A. with an Emphasis in Performance or Composition must register for both a private lesson (classes designated as MUAP) and a major ensemble from those listed below. All students on music scholarship must register for one of the major ensembles every semester:

Major Ensembles:

UIW Chorale MUSI 1131

UIW Community Orchestra MUSI 1181

UIW Jazz Ensemble MUSI 1182

UIW Wind Ensemble MUSI 1185

It is strongly recommended that all entering music majors and minors sign up for a private lesson (classes designated as MUAP), and that entering freshmen participate in one of the ensembles listed above.



- All students wishing to major in music must contact the Music Department (210-829-3855) for advising before registering for the first semester's classes. Failure to attend advising before registration may require registration for additional semesters in order to complete the degree.
- All Music Majors lacking keyboard background should register for Class Piano (MUSI 1381).
- All entering freshman and transfer students must complete a musical competency assessment audition and interview during the first week of classes. (Contact a music faculty person for details).
- All entering freshman must demonstrate rudimentary-level knowledge of music theory and aural skills by successfully passing an entrance diagnostic exam that will be administered during the first week of classes.
- Students earning less than a 70% evaluation on the written part of the diagnostic must register for MUSI 1300 (Introduction to Music Theory).
- Students earning less than a 70% evaluation on the aural part of the diagnostic must register for MUSI 1100 (Introduction to Aural Skills).
- All entering Music Therapy majors should register for Introduction to Music Therapy (MUTH 1301).
- All entering Music Industries majors should register for Introduction to Music Industries (MUST 2340).

### Transfer Students

Transfer students must participate in four semesters of major ensembles (see list above) at University of the Incarnate Word. Transfer students in Teacher Certification must participate in at least three semesters of major ensembles at the University of the Incarnate Word.

Transfer students should consult with the Music Department (210-829-3855).

### Additional information for all music students:

- All students majoring in music must pass a Piano Proficiency test before application for graduation can be made.
- Private instrumental and vocal instruction are available to students on a credit basis only. A tutorial fee in addition to tuition is charged.
- Admission to private instruction is open to all UIW students by permission of instructor only. Non-majors seeking beginning-level instruction in guitar, piano, or voice must first take 3 credit hours of group instruction at UIW before they may sign up for private lessons.
- Recital attendance. Each semester the music department presents a variety of musical events by students, faculty, visiting artists, and local performing groups. As an essential part of their musical education, all music majors are required to attend a minimum of three of these musical events each semester, as well as other musical events as specified in course syllabi.

- Studio Hour and Seminar Class. Each week, a studio hour or seminar class will be devoted to student performances, discussion of interpretation, performance techniques, stage presence, communication with audiences, and related topics. All students enrolled in applied music (MUAP) are required to attend these sessions.

#### Recital Permission Policy for All Students

- In order to qualify to perform a recital, students must first be permitted to register for upper level private instruction courses (MUAP 33XX and MUAP 43XX). Students must submit a written request for permission to perform any recital.
- The request will be submitted to the private instructor in the semester prior to the one in which the recital will take place.
- The request must include a list of the repertoire to be performed on the recital.
- The music faculty will inform the student within seven days after the current semester's jury whether permission has been granted to perform the recital. In some cases, the faculty may require a recital hearing three weeks prior to the performance date.
- Students planning a degree plan recital in applied private lessons must be enrolled in that area of applied music at the time of the recital.
- The private instructor must give final approval in writing for the performance of the recital three weeks prior to the recital date.
- All recitals MUST take place on the UIW campus, while the student is currently taking lessons from a UIW faculty member.

#### PHILOSOPHY (PHIL)

[Course Descriptions, page 241]

The Department of Philosophy at the University of the Incarnate Word seeks to provide its students with a broad orientation to the major branches of philosophy (metaphysics, epistemology, ethics, and logic) and to the various ways philosophy has progressed throughout human history (in Western and other global traditions). The primary goal of our program, however, is not merely to promote mastery of philosophical content, but to help cultivate the philosophical spirit by nourishing our students' responsiveness to the wonder of being, their commitment to justice, and their overall capacity to explore philosophical issues with creativity and critical insight.

Philosophy is an exploration of the most basic yet wide-ranging issues of human life and experience. The study of philosophy involves the rational examination of such fundamental notions as truth, beauty, goodness, justice, freedom, reality, knowledge, language, faith, love, death, and God. Its purpose is to broaden the reach of possibilities that all human beings share in their efforts to create intellectually and spiritually meaningful lives.

Philosophy also examines the foundations, processes, and aims of other disciplines - such as science, mathematics, law, and education, for example - and

reflects on such subjects as religion, art, history, literature, health care, and technology.

**Major Requirements for a Bachelor of Arts:**

33 semester hours of Philosophy, as follows:

1. 27 semester hours of required courses:

PHIL	1381	Introduction to Philosophy
PHIL	3312	Logic
PHIL	3318	Theories of Reality and Knowledge
PHIL	3332	Ethics
PHIL	3351	Ancient Philosophy
PHIL	3352	Medieval Philosophy
PHIL	3353	Modern Philosophy
PHIL	3354	Contemporary Philosophy
PHIL	3355	World Philosophy

2. 6 additional upper division hours in Philosophy

3. A minor in any field, or an interdisciplinary minor approved by the philosophy advisor.

**Requirements for a Minor in Philosophy:**

PHIL 1381, 3312, 3318, 3332; a choice of one: PHIL 3351, 3352, 3353, 3354 or 3355; 3 additional upper division hours in PHIL.

**Recommended Sequence of Courses in the Major:**

**Freshman Year**

PHIL	1381	Introduction to Philosophy (Spring)
PHIL	3312	Logic (Spring)

**Sophomore Year**

PHIL	3351	Ancient Philosophy (Fall)
PHIL	3352	Medieval Philosophy (Spring)

**Junior Year**

PHIL	3332	Ethics (Fall)
PHIL	3353	Modern Philosophy (Fall)
PHIL	3354	Contemporary Philosophy (Spring)
PHIL		Elective (Spring)

**Senior Year**

PHIL	3318	Theories of Reality and Knowledge (Spring)
PHIL	3355	World Philosophy (Spring or Fall)
PHIL		Elective (Spring or Fall)

**POLITICAL SCIENCE (POLS)**

[Course Descriptions, page 350]

The mission of the Political Science Department is to provide the major with a strong foundation to expand awareness and understanding of political life, to stimulate scholarship and intelligent interest in political science, and to provide a framework for enriching the exposure of majors and the wider university

community to the study of government and issues of public concern. Moreover, the Department offers course work to the general student population in light of its commitment to the CORE Curriculum.

The program in Political Science at the University is especially designed to develop analytical skills, combining organized knowledge with practical experience that introduces and prepares students for career opportunities in the public sector. Many occupations today require a college educated individual who can write and speak well, solve problems, learn new information quickly and work well with others on a team. This means that Political Science graduates use their education in a wide variety of fields. By selecting appropriate courses and internships, students of politics can prepare themselves for professional training in public policy, public administration, law, graduate education in the policy sciences, as well as employment in government and non-governmental public sector organizations. Future careers may relate more to personal career interests, work values, and transferable skills than any specific academic major.

### Major Requirements for a Bachelor of Arts

39 semester hours in Political Science as follows:

1. 21 semester hours of required courses:

POLS	1315	American Politics
POLS	1316	State and Local Politics
POLS	2300	Social Science Research Methods
POLS	2305	Introduction to Political Studies
POLS	2310	Comparative Politics
POLS	2320	International Relations
SOCI	3381	Statistics for Behavioral Sciences

2. 18 semester hours selected from courses listed under one of the following areas of concentration (A, B):

A. American Politics:

POLS	1391	Human Rights
POLS	2350	Environmental Politics
POLS	2392	U.S. Legal System
POLS	3300	U.S. Congress
POLS	3305	U.S. Presidency
POLS	3353	Texas Legislative Process
POLS	3371	Political Theory
POLS	4315	Constitutional Law I: Institutional Powers
POLS	4316	Constitutional Law II: Civil Liberties and Civil Rights
POLS	4317	Public Policy
POLS	4321	US Foreign Policy
POLS	4325	Political Behavior
COMM	4332	Law and the Media
POLS	4335	Parties and Elections
POLS	4385	Topics in American Politics

B. International Relations/Comparative Politics: Students selecting this concentration must complete 9 semester hours of Comparative Politics courses and 9 semester hours of International Relations courses.

Comparative Politics Courses

POLS	1391	Human Rights
POLS	2350	Environmental Politics
POLS	3350	European Politics
POLS	3371	Political Theory
POLS	4335	Parties and Elections
POLS	4355	Politics of Developing Countries
POLS	4387	Topics in Comparative Politics/International Relations

International Relations Courses

POLS	2375	International Organizations
POLS	2376	Model Organization of American States
POLS	3356	Terrorism and Conflict in the International Arena
BINT	4310	International Economics
BLAW	4320	International Business Law
POLS	4321	U.S. Foreign Policy
POLS	4322	National Security Policy
POLS	4323	Politics of Coffee and Sugar
POLS	4330	International Law
POLS	4363	Political Globalization
POLS	4387	Topics in Comparative Politics/International Relations

3. Students who choose to concentrate in Comparative Politics/International Relations must take three courses designated as Comparative Politics and three designated as International Relations.

4. Students are strongly encouraged to take at least one internship course. Up to 6 hours of Internships can be substituted for the same number of hours in the area of concentration. To enroll in an internship, students must have a 2.5 GPA overall, a 3.0 GPA in the major and approval of the instructor.

5. A minor in any other discipline. With the approval of their academic advisor, students may construct an individualized interdisciplinary minor. Political Science majors may not minor in Pre-Law. Those planning to attend law school should select American Politics as their area of concentration within the major.

Requirements for a Minor in Political Science:

POLS 1315, 1316, 2305 and 2310 or 2320; Nine additional semester hours in other POLS courses, 6 of which must be upper division. Internships do not meet requirements for the minor.

Washington Internship

Qualified juniors and seniors have an opportunity to earn up to 15 credit hours (9 hours toward the major) by serving an approved internship in Washington, D.C. for a semester. Placement opportunities include Capitol Hill, the White House, the Department of Justice, the State Department, major law firms, American Civil Liberties Union, U.S. Information Agency, and other government agencies and private sector organizations. Applicants must have a 2.5 overall GPA and a 3.0 GPA in the major and approval of the Department Chair.

## Justice and Peace Studies Concentration

A concentration in Justice and Peace Studies ensures that students graduate with an understanding of the theoretical and philosophical underpinnings of justice, the extent to which society is just and how to promote greater justice, and how to practically address the ways in which they can work toward a more just world. This facilitates the search for and the communication of truth to help meet the spiritual and material needs of people as articulated in the UIW Mission Statement.

The program is interdisciplinary in nature, drawing upon course and faculty in schools and departments from across the campus. The program takes a broad view of the world and of issues of justice and peace. It is designed to attract students who are preparing for academic, government, nonprofit, or business careers with a focus on justice, peace, and equality and who value the benefits of interdisciplinary learning.

### Justice and Peace Studies Concentration (24 hours)

18 hours of the following required courses:

POLS	1315	American Politics
POLS	1391	Human Rights
RELS	1360	Christian Ethics
ARTH	3357	History of Photography
PHIL	3385	Justice: Tradition and Transformation
JUSP	4390	Justice and Peace*

6 hours of the following courses:

ECON	2301	Principles of Macroeconomics
POLS	2350	Environmental Politics
ARTS	2357	Photography
POLS	2392	Introduction to U.S. Legal System
RELS	3305	Catholic Social Teachings
SOCI	3321	Social Problems and Social Justice
SOCI	3323	Criminal Justice
PHIL	3332	Ethics
RELS	3350	Environmental Theology and Ethics
POLS	3356	Terrorism and Conflict in the International Arena
ARTH	3360	Survey in Contemporary Art
ARTS	3365	Art Photography: Directorial Photography
POLS	3371	Political Theory
RELS	4300	Women and Faith
POLS	4322	National Security Policy
POLS	4323	Politics of Coffee and Sugar
RELS	4345	Theologies of Liberation
POLS	4355	Politics of Developing Areas
POLS	4363	Political Globalization

\*Students are also required to participate in a service learning experience or internship which will be part of the requirements for JUSP 4390. Students will also be encouraged to participate in other service learning opportunities which could be accomplished either through a course or through Alternative Spring Break.

## Political Economy Concentration

The Political Economy Concentration aims to develop theoretical and empirical understanding of the connections between economics and politics. Students majoring in political science gain an appreciation of the role of economic forces in politics. Economics majors learn how politics influence economic behavior in the real world. Students choosing a concentration in political economy will be especially well prepared for graduate study in economics, political science, or business, and for both academic and non-academic careers in policy analysis, business administration, law, government relations, and other fields.

Requirements for a concentration in Political Economy:

18 semester hours of required hours in Economics:

ECON	2301	Principles of Macroeconomics
ECON	2302	Principles of Microeconomics
ECON	3340	Public Sector Economics
ECON	3350	Latin American Economics
ECON	4310	International Economics
ECON	4360	Econometrics

6 semester hours required hours in Political Science:

POLS	1315	American Politics
POLS	2320	International Relations

6 elective hours in Political Science from the following courses:

POLS	2375	International Organizations
POLS	4321	United States Foreign Policy
POLS	4322	National Security Policy
POLS	4323	Politics of Coffee and Sugar
POLS	4363	Political Globalization

## Pre-Law Concentration

The pre-law program at the University of the Incarnate Word is designed to introduce students to the study of law, to encourage student engagement with the legal profession, and to prepare students for the law school admission process.

Students from any major may consider applying to law school upon graduation. The Department of Political Science offers a series of public law courses to assist students considering law as a career. For students majoring or minoring in political science, these courses can be taken to count for the American Politics concentration; for students in other majors, these courses can be taken as a Pre-Law Concentration. The Pre-Law Concentration provides a basic political science and law background for those students who hope to go on to law school but are not majoring in political science.

Requirements for a concentration in Pre-Law:

24 hours of the following required courses:

PHIL	3385 or 3332	Justice: Tradition and Transformation or Ethics
POLS	1315	American Politics
SPCH	1311	Public Speaking
PHIL	1381	Introduction to Philosophy
POLS	2392	Introduction to U.S. Legal System
PHIL	3312	Logic

6 Hours Upper Division English - 3 Hours Rhetoric and 3 Hours

Literature

9 Semester hours from the following courses:

POLS	1391	Human Rights
ECON	2301	Principles of Macroeconomics
POLS	2375	International Organizations
BLAW	3317	Business Law
BLAW	4320	International Business Law
POLS	4315	Constitutional Law I: Institutional Powers
POLS	4316	Constitutional Law II: Civil Liberties and Civil Rights
POLS	4330	International Law
BLAW	4340	Labor and Employment Law

Students are also encouraged to take at least one additional law-related course as an elective. Examples are BLAW 3317 Business Law I, BLAW 3318 Business Law II, POLS 4330 International Law, BINT 4320 International Business Law, or COMM 4332 Law and the Media.

## PSYCHOLOGY (PSYC)

[Course Descriptions, page 356]

Psychology is the scientific study of the behavior and mental processes of humans and other animals. Students will begin to understand how individual thought and behavior is influenced by perception, motivation, heredity, language, cognition, and learning. Instruction focuses on the influence of society and the environment on human personality, and provides insights into the human psyche. Upon the successful completion of the psychology program, students will have an understanding of the major theoretical perspectives for organizing and understanding human behavior.

### Major Requirements for a Bachelor of Arts in Psychology:

49-59 semester hours in Psychology as follows:

1. 37 semester hours of required core courses:

PSYC	1301	Introduction to Psychology
PSYC	2310	Critical Thinking and Writing in Psychology
PSYC	2370	Child and Adolescent Development
PSYC	2380	Biology and Behavior
PSYC	3331	Abnormal Psychology
PSYC	3351	Social Psychology
PSYC	3353	Personality



PSYC	3385	Multicultural Issues
PSYC	3472	Learning
PSYC	3381	Statistics for Behavioral Sciences
PSYC	3384	Research Methods
PSYC	4331	History of Psychology

2. 12-22 hours selected from one of four options:

Option A: General Psychology (12 hours)

PSYC	4359	Directed Practicum / Internship
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9 semester hours of Psychology electives

Option B: Child and Adolescent Psychology (12 hours)

SOCI	3343	Sociology of the Family
PSYC	4330	Developmental Psychopathology
PSYC	4359	Directed Practicum / Internship

3 semester hours of Psychology electives

Option C: Community Psychology (13 hours)

PSYC	4380	Psychometrics
PSYC	3340	Community Psychology
PSYC	4490	Community Psychology Practicum

3 semester hours of Psychology electives

Option D: Experimental Psychology (22 hours) \*\*

PSYC	3376	Cognition & Memory
PSYC	4380	Psychometrics
PSYC	4353	Social Cognition or PSYC 4340 Physiological Psychology
PSYC	4381	Advanced Statistics
PSYC	4484	Advanced Research Methods

6 semester hours of Psychology electives

\*\*NO MINOR REQUIRED with Option D; students will be directed toward the combination of courses that will best prepare them for their post-graduation goals

3. All psychology majors, EXCEPT those choosing to follow Option D (Experimental track) are required to have a minor in any other discipline. The semester hours of the minor will vary according to the discipline. A minor is not required for students who pursue a double-major in Psychology and another discipline on the Bachelor of Arts degree.

Minor in Psychology:

Requirements are 15 semester hours as follows:

PSYC	1301	Introduction to Psychology
PSYC	3331 or 3353	Abnormal Psychology or Personality

9 semester hours of Psychology electives, three of which must be advanced.

(The following 6 semester hours are strongly recommended for those students who plan to pursue a graduate degree in Psychology)

PSYC	3381	Statistics for Behavioral Science
PSYC	3384	Research Methods

Prerequisites are listed with the course descriptions.

Suggested sequence for Major requirements in Psychology \*\*:

Freshman Year

PSYC	1301	Introduction to Psychology (Fall)
PSYC	2310	Critical Thinking and Writing in Psychology (Spring)
PSYC	2370	Child and Adolescent Development (Spring)

Sophomore Year

PSYC	2380	Biology and Behavior (Fall or Spring)
PSYC	3331	Abnormal (Fall or Spring)
PSYC	3353	Personality (Spring)
PSYC	3381	Statistics for Behavioral Sciences (Fall)
PSYC	3384	Research Methods (Spring)

Junior Year

PSYC	3351	Social Psychology (Fall)
PSYC	3472	Learning (Fall or Spring)
PSYC	3385	Multicultural Issues (Fall)

Senior Year

PSYC	4331	History of Psychology (Fall or Spring)
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\*\*NOTE: Deviations from this sequence may be in order depending upon the track chosen (from A, B, C, or D); students should communicate with their faculty advisors regarding specific track sequencing recommendations.

## RELIGIOUS STUDIES (RELS)

[Course Descriptions, page 360]

In keeping with the University's mission, the Department of Religious Studies has a two-fold mission: to familiarize all students with the Roman Catholic tradition within the broader religious and global context in which they live, and to expose all students to the multidimensional and interdisciplinary methods utilized within the fields of religious studies and theology.

Since the University of the Incarnate Word is a Roman Catholic university, the faculty believes it is necessary to provide the general student body with an opportunity to understand this tradition. We believe our students must come to terms with the reality of diversity, both religious and cultural. Introductory and intermediate department courses are designed to help them achieve these goals.

Students interested in majoring in religious studies must be familiar with a variety of dimensions of the field and be acquainted with a number of critical methodologies applicable to the study. Knowledge of both areas provides an academic foundation for advanced study in religious studies and theology. Advanced courses are designed to help them fulfill these goals.

Major Requirements for a Bachelor of Arts:  
33 semester hours

1. 15 semester hours from the following:

Biblical Studies (3 semester hours)

RELS	1345	Biblical Themes, or
RELS	2320	Hebrew Scriptures, or
RELS	2350	Gospels and Acts

Theological Studies (3 semester hours)

RELS	1310	Introduction to Theology, or
RELS	1340	Understanding Catholicism

Christianity and Culture (9 semester hours)

RELS	1355	History of Christianity
RELS	1360	Christian Ethics
RELS	2345	World Religions

2. 18 semester hours (15 hours must be upper division, including at least one from each of the following areas below)

Biblical Studies

RELS	1345	Biblical Themes
RELS	2320	Hebrew Scriptures
RELS	2350	Gospel and Acts
RELS	3310	Pauline Writings
RELS	3399	Contemporary Issues

Theological Studies

RELS	1310	Introduction to Theology
RELS	1370	Introduction to Religious Studies
RELS	3340	Feminist Theology
RELS	3350	Environmental Theology and Ethics
RELS	3399	Contemporary Issues
RELS	4320	U.S. Latino/a Theology and Culture
RELS	4345	Theologies of Liberation

Christianity and Culture

RELS	2329	Religious Movements in the United States
RELS	2330	Religion, Values, and Film
RELS	3300	The Religious Quest
RELS	3305	Catholic Social Teachings
RELS	3335	God and Human Sexuality
RELS	3399	Contemporary Issues
RELS	4300	Women and Faith
RELS	4310	Women in the Christian Tradition
RELS	4330	Death and Belief

Worship and Spirituality

RELS	1375	Prayer and Spirituality
RELS	2335	U.S. Latino/a Spirituality
RELS	3320	Christian Symbols and Celebrations
RELS	3322	Christianity through Art
RELS	3325	Arts for Christian Worship
RELS	3365	Christian Worship

RELS	4362	Lay Leadership of Public Prayer
RELS	3399	Contemporary Issues

3. RELS 4x49 Field Education (under the direction of UIW RELS faculty) is recommended. One to three credit hours.

4. 6 semester hours of Philosophy is recommended.

5. Second major or a concentration or minor of 12-18 semester hours (6 upper division hours) is recommended.

#### Requirements for a Minor in Religious Studies:

18 semester hours

1. 12 semester hours

##### Biblical Studies (3 semester hours)

RELS	1345	Biblical Themes, or
RELS	2320	Hebrew Scriptures, or
RELS	2350	Gospels and Acts

##### Theological Studies (3 semester hours)

RELS	1310	Introduction to Theology, or
RELS	1340	Understanding Catholicism

##### Christianity and Culture (6 semester hours)

RELS	1360	Christian Ethics
RELS	2345	World Religions

2. 6 additional upper division hours

The general minor in Religious Studies is recommended both for students interested in religious education and/or church ministry, and for those wishing to augment their academic background in the area to support the liberal arts dimension of their chosen professional career (e.g., law, medicine, business).

Students who plan to pursue a degree in Religious Studies must formally apply and be admitted as a major as soon as possible upon the completion of 30 semester hours, at least 15 of which must be from the University of the Incarnate Word. To be eligible for admission to the RELS major, a student must have at least a 2.25 cumulative GPA. Without special arrangements, RELS courses taken before 1990 or courses taken at a non-catholic institution will not fulfill the 33 hour requirement for a major. Lower division classes are at the 1000 and 2000 levels, and upper division classes are at the 3000 and 4000 levels.

#### Recommended Sequence of Courses in the Major:

##### Freshman Year (6 to 9 hours)

RELS	1310	Introduction to Theology or RELS 1340 Understanding Catholicism or RELS 1360 Christian Ethics
RELS	1345	Biblical Themes

##### Sophomore Year (9 to 12 hours)

RELS	1355	History of Christianity
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RELS	1360	Christian Ethics
RELS	2320	Hebrew Scriptures
RELS	2345	World Religions
RELS	2350	Gospels and Acts
RELS	3325	Arts for Christian Worship

Junior Year (9 to 12 hours)

RELS	3310	Pauline Writings
RELS	3322	Christianity through Art or RELS 3320 Christian Symbols and Celebration
RELS	3340	Feminist Theology
RELS	4320	U.S. Latino/a Theology and Culture
RELS	4345	Theologies of Liberation or RELS 3399 Contemporary Issues

Senior Year (9 to 12 hours)

RELS	3335	God and Human Sexuality
RELS	3350	Environmental Theology and Ethics or RELS 3305 Catholic Social Teachings
RELS	4310	Women in Christian Tradition or RELS 4300 Women and Faith

Students interested in a major or minor in RELS should consult with the Chair of the Department of Religious Studies.

**Undergraduate Certificate in Religious Studies:**

A certificate in Religious Studies will be awarded to students who complete 18 semester hours of Religious Studies coursework.

**Pastoral Institute**

Through the Pastoral Institute, UIW offers undergraduate and graduate programs designed to prepare students for a variety of lay ministries in the church, including religious education at all levels, youth and campus ministry, parish leadership roles, and liturgical ministries.

**Undergraduate Certificate in Pastoral Studies**

This certificate is awarded on completion of 16 semester hours of study through the Pastoral Institute, distributed over the three areas of Scripture, Theology, and Ministry. Undergraduate Religious Studies courses are also applicable. Courses are selected with reference to the student's previous studies and educational, personal and ministerial goals. For further information on this program, contact the Director of the Pastoral Institute.

**SOCIOLOGY (SOCI)**

[Course Descriptions, page 364]

The mission of the Sociology Department is to provide the major with a strong foundation in sociological theory and research within the context of a modern sociological curriculum. The Department is committed to the development of the "sociological imagination" and the fostering of action based on a progressive social consciousness. The Department is guided by the values of Catholic social

doctrine, the mission of the University, and a high regard for scholarly academic work that leads to the enhancement of knowledge.

Sociology is a social science that studies society and the social activity of human beings. Sociologists are interested in discovering and explaining how and why people think, feel, and act the way they do, focusing on groups and categories of people sharing common characteristics. Empirical evidence, derived from scientific investigation, is fundamental to sociological inquiry. Sociological studies include culture, religion, government, economy, education, family, crime, sports, and race relations.

### Major Requirements for a Bachelor of Arts:

#### Plan A: Academic Specialization

36 semester hours as follows:

1. 15 semester hours of required courses:

SOCI	1311	Introduction to Sociology
SOCI	3351	Social Psychology
SOCI	3381	Statistics for Behavioral Sciences
SOCI	3384	Research Methods
SOCI	3387	Sociological Theory

2. 21 additional semester hours in Sociology, at least 12 of which are upper division.

3. A minor in any other field.

#### Plan B: Professional Specialization

48 semester hours, distributed as follows:

1. 24 semester hours of required courses:

SOCI	1311	Introduction to Sociology
SOCI	3332	Culturology and Cross-Cultural Communication
SOCI	3344	Social Stratification
SOCI	3351	Social Psychology
SOCI	3371	Minority Relations
SOCI	3381	Statistics for Behavioral Sciences
SOCI	3384	Research Methods
SOCI	3387	Sociological Theory

2. One of the following options (6 hours):

SOCI	3355	Aging in America and SOCI 3356 Death in America
SOCI	3322	Crime and Delinquency and SOCI 3323 Criminal Justice
SOCI	3343	The Family and PSYC 2370 Child and Adolescent Development

3. 6 additional hours in Sociology

4. The following 12 hours:

SOCI	4359/4360	Directed Practicum/Internship I, II
BMGT	3340	Management Theory and Practice
BMGT	3354	Human Resource Management

### Requirements for a Minor in Sociology:

12 semester hours (6 upper division) in SOCI

**Recommended Sequence of Courses in the Major (Plan A):**

Freshman Year

SOCI 1311 Introductory Sociology

Sophomore Year

SOCI 2335 Social Issues Through Cinema or SOCI 2341 Social Institutions

Junior Year

SOCI 3351 Social Psychology  
 SOCI 3381 Statistics for Behavioral Sciences  
 SOCI 3384 Research Methods

6 hours of upper division sociology courses

Senior Year (or Junior year as offered)

SOCI 3387 Sociological Theory

12 hours of upper division sociology courses

**Recommended Sequence of Courses in the Major (Plan B):**

Freshman Year

SOCI 1311 Introductory Sociology

Sophomore Year

SOCI 2335 Social Issues Through Cinema or SOCI 2341 Social Institutions

Junior Year

SOCI 3351 Social Psychology  
 SOCI 3381 Statistics for Behavioral Sciences  
 SOCI 3384 Research Methods  
 BMGT 3340 Management Theory and Practice option (A or B)

Senior Year

SOCI 3387 Sociological Theory (or Junior year as offered)  
 SOCI 4359 Practicum I  
 SOCI 4360 Practicum II  
 BMGT 3340 Management Theory and Practice

12 hours of upper division sociology courses

**SPANISH (SPAN)**

[Course Descriptions, page 367]

The offerings in modern languages develop language proficiency and cultural awareness through collaborative classes where effective communication is the primary goal. Advanced courses in Spanish contribute to knowledge about the Spanish-speaking world and the history and structure of the Spanish language and its literature. These courses allow students to read and respond in writing to Spanish-language authors in Spanish, since all advanced courses are taught in the language using authentic texts. Students also interact in Spanish to promote language competence approaching that of native speakers.

## Major Requirements for a Bachelor of Arts in Spanish

1. 33 semester hours of Spanish courses as follows:

### Language requirements (9 hours)

Spanish	2311	Intermediate Spanish I: Oral Communication
Spanish	2312	Intermediate Spanish II: Writing
Spanish	3301	Advanced Spanish Grammar and Composition

NOTE: The number of hours the students will be required to take to meet this requirement will be determined by a placement test given by the department. As a result of the placement test, any of these language requirements may be waived, but a subsequent waiver does not remove the student from having to fulfill the total 33-hour requirement for the major. Course electives in Spanish should be taken to complete the 33 hours.

### Linguistics requirements (6 hours)

Spanish	3321	Introduction to Hispanic Linguistics
Spanish	3322	Spanish Phonetics and Oral Communication

NOTE: In addition to Spanish 3321 and Spanish 3322, candidates for teacher certification must take Spanish 3337, Applied Linguistics for Teaching, for a total of 9 hours to fulfill the Linguistics requirement.

### Literature requirements (9 hours)

Spanish	3331	Spanish Literature to 1700 OR
Spanish	3332	Spanish Literature since 1700
Spanish	3341	Spanish-American Literature to Modernism OR
Spanish	3342	Spanish-American Literature since Modernism

Three additional hours in literature in Spanish

### Culture requirements (6 hours)

Spanish	3311	Culture and Civilization of Spain
Spanish	3312	Culture and Civilization of Latin America

Electives in Spanish to complete the required 33 hours in the major.

2. A minor in any other field, or an approved interdisciplinary concentration of 18 semester hours, including 6 upper division hours.

## Requirements for a Minor in Spanish:

(A) Spanish Studies Minor: 12 hours of courses above the 1000-level, including at least 6 hours at the upper division level. Courses at the 3000 level and above will be taught entirely in Spanish.

(B) Spanish Proficiency Minor: 21 semester hours in Spanish as follows (courses taught at the 3000 level and above will be taught entirely in Spanish):

1. Required Courses: 18 hours

- a) SPAN 1311, Elementary Spanish I
- b) SPAN 1312, Elementary Spanish II
- c) SPAN 2311, Intermediate Spanish I: Oral Communication



- d) SPAN 2312, Intermediate Spanish II: Writing
- e) SPAN 3301, Advanced Spanish Grammar and Composition
- f) SPAN 3312, Culture and Civilization of Latin America

2. Elective Course: 3 hours advanced Spanish elective

Credit for SPAN 1311 and SPAN 1312 may be earned through a CLEP exam. Additionally, an instructor may determine that the student's abilities warrant placement at a higher level, through an oral proficiency interview or written placement exam. However, such placement does not constitute credit, and the student is required to take additional courses in advanced Spanish to complete the 21-hour minor.

For information about a minor in other languages, refer to the Modern Languages section in this catalog.

## THEATRE ARTS (THAR)

[Course Descriptions, page 372]

The Mission of the Theatre Arts Department focuses on three main goals: to provide our majors with a strong, basic foundation in the performing arts that will enable them to pursue post-graduate educational and professional opportunities in Theatre, to enhance the general education of the University's CORE curriculum, and to enrich the cultural, spiritual, and intellectual lives of our on-campus and San Antonio communities.

The Theatre Arts Department provides its majors with a liberal arts program of study leading to a Bachelor of Arts in Theatre. This program affords its graduates a thorough understanding of the art form: its performance conditions, representative dramatic literature and its major practices - past and present. Through the study of Theatre Arts, UIW students have the opportunity to learn analytic methods that enable them to think critically and to become creative problem solvers, thereby assisting in their preparation for advanced professional study in a variety of fields that respect a well-balanced liberal arts degree. Upon completion of their degree, UIW graduates are prepared to undertake specialized training in a variety of graduate Theatre Arts study areas. The exceptionally talented graduate will have sufficient education and training to begin a career in professional theatre, on or off stage.

The Department views its production season as both an extension of its educational program and a site of artistic and intellectual expression. In its presentation of four to five theatrical productions each year, the Theatre Arts faculty commits itself to collaborative teaching in order to support diversity of approaches and techniques as well as to demonstrate integrated artistic cooperation. The Department adheres to a policy of equal opportunity in casting and in the assignment of production responsibilities. Participation in the academic year production season is open to any student enrolled in UIW, and required of Theatre Arts majors. Through the production season, we provide the opportunity to participate and to witness major dramatic genres and theatrical styles.

The Theatre Arts program holds accreditation by the National Association of Schools of Theatre.

Major Requirements for a Bachelor of Arts in Theatre Arts:

1a. 33 semester hours in required Theatre Arts courses including 12-15 upper division hours

THAR	1191	Theatre Practicum
THAR	1321	Beginning Acting
THAR	1322	Intermediate Acting
THAR	1380	Introduction to Theatre
THAR	2192	Theatre Practicum
THAR	2193	Theatre Practicum (may be repeated for credit)
THAR	2360	Introduction to Technical Production
THAR	2380	Play Analysis
THAR	2361	Introduction to Theatre Design
THAR	3381	The Development of Drama and Theatre I
THAR	3382	The Development of Drama and Theatre II
THAR	4331	Fundamentals of Directing
THAR	4333	Senior Studio (capstone course)

1b. 3 Additional hours in Theatre Arts Practicum or Advanced Theatre Arts Practicum Courses

2. An additional 12 semester hours in elective Theatre Arts courses, including 9 upper-division semester hours, to be selected from one or more of the following areas:

Performance:

THAR	2324	Stage Movement
THAR	2325	Theatre Voice and Speech Studies
THAR	3304	Children's Theatre
THAR	3323	Acting in Verse
THAR	3324	Selected Topics in Performance (may be repeated for credit)
THAR	3326	Advanced Acting
THAR	4303	Creative Dramatics

Design/Tech:

THAR	2242	Basic Stage Make-up
THAR	3344	Costume Construction
THAR	3341	Costume Design
THAR	3362	Scene Design
THAR	3363	Light Design
THAR	4342	Costume History (cross-list with FMGT)

General Studies:

THAR	1381	Theatre Appreciation (Non Majors)
THAR	1320	Acting in Everyday Life (Non Majors)
THAR	2380	Play Analysis
THAR	4301	Creativity in the Arts
THAR	4383	Dramatic Theory and Criticism
THAR	4387	American Theatre (cross list with ENGL)
THAR	4385	Shakespeare (cross list with ENGL)
THAR	4393	Reading and Research in Theatre Arts
THAR	4399	Selected Topics in Theatre Arts

**Requirement for a Minor in Theatre Arts:**

18 hours as follows (including 6 upper division hours):

THAR	1321	Beginning Acting
THAR	2360	Introduction to Technical Production

One course selected from the following:

THAR	2380	Play Analysis
THAR	3381	The Development of Drama and Theatre I
THAR	3382	The Development of Drama and Theatre II

Additional 9 hours in elective THAR courses

**Recommended Sequence of Courses in the Major:**

**Freshman Year**

THAR	1191	Theatre Practicum
THAR	1321	Beginning Acting
THAR	1380	Introduction to Theatre
THAR	2192	Theatre Practicum
THAR	2360	Introduction to Technical Production
THAR	2380	Play Analysis

**Sophomore Year**

THAR	1322	Intermediate Acting
THAR	2193	Theatre Practicum
THAR	2361	Introduction to Theatre Design
THAR	3381	The Development of Drama and Theatre I (Sophomore or Junior Year)

**Junior Year**

THAR	2193	Theatre Practicum (repeat) or THAR 3194 Advanced Theatre Practicum
THAR	2193	Theatre Practicum (repeat) or THAR 3195 Advanced Theatre Practicum
THAR	3382	The Development of Drama and Theatre II (Sophomore or Junior Year)
THAR	4331	Fundamentals of Directing

**Senior Year**

THAR	4196	Advanced Theatre Practicum
THAR	4333	Senior Studio

## *Dreeben School of Education*

### EDUCATION (EDUC)

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[Course Descriptions, page 290]

Teacher Education is a valued program of study at the University of the Incarnate Word because it so directly addresses the mission to which the University is committed. The emphasis of the program incorporates a broad liberal arts education as a foundation for the more in-depth focus on academic teaching specializations and the body of knowledge associated with the teaching/learning process. The program prepares individuals for a profession in which they can affect society and mankind in significant, positive ways.

The Teacher Education program at University of the Incarnate Word is a field-based program that provides intensive, realistic, and high quality experiences in settings where preservice teachers can match theory and practice, observe effective teaching practices, encounter diversity, and explore and develop their teaching in close interaction with university faculty. Based on data submitted by the State Board for Educator Certification, UIW's Teacher Certification Program is ranked in the first quartile with an overall pass rate of 98%.

#### Programs of Study

**NOTE:** Students seeking certification from the University of the Incarnate Word's Teacher Preparation Program will be subject to any additional or new requirements, which may be set forth by legislative mandates or by the State Board for Educator Certification.

Baccalaureate degrees are offered with or without certification in Interdisciplinary Studies (elementary), Secondary certification (grades 8-12) and All Level certification (grades PreK-12). Programs leading to baccalaureate degrees with certification are State Board for Educator Certification approved and are designed to prepare students for initial certification and teaching in elementary and/or secondary schools. Effective September 2009, the state's elementary certification will certify teacher candidates in early childhood through sixth grades (EC-6). The UIW program will transition to this certification level and as of the 2010-2011 academic year, all elementary candidates will apply for the EC-6 certification.

Under the direction of the Dreeben School of Education faculty, students can prepare for initial certification and teaching at the elementary level (Interdisciplinary Studies), secondary level (major with certification), or for all-level certification in specified content areas (major with certification). Additionally, all certification candidates are eligible for the special education minor. See advisor for details.

At present, the University of the Incarnate Word offers certification in the following areas and at the following levels. (Other fields may be available in the future.)

## INTERDISCIPLINARY STUDIES (IDS)

IDS is an EC-4 teaching program resulting in certification for pre-kindergarten through sixth grade. A student following this course of study will take the general education core, the Interdisciplinary Studies major, specialization coursework in reading and special education, pre-professional courses, and the professional development sequence. Students completing the IDS major will also meet the requirements for minors in reading and special education. Upon successful completion of both the program and applicable TExES examinations, the student will be eligible to apply for state certification to teach self-contained EC-sixth grade classes.

The University of the Incarnate Word offers programs approved by the State Board for Educator Certification and the Southern Association of Colleges and Schools, and UIW is a member of the American Association of Colleges for Teacher Education.

## GENERAL EDUCATION CORE FOR INTERDISCIPLINARY STUDIES

### 1. Rhetoric (6 hours)

ENGL	1311	Composition I
ENGL	1312	Composition II

### 2. Literature and Fine arts (6 hours):

ENGL	2310	World Literature Studies
THAR	4301	Creativity in the Arts

### 3. Philosophy and Religious Studies (9 hours):

PHIL	1381	Introduction to Philosophy
RELS	13XX	Religious Studies
3 additional hours from Philosophy or Religious Studies		

### 4. History and Social Sciences (6 hours):

HIST	1321	The United States to 1865
POLS	1315	American Politics

### 5. Mathematics and Natural Sciences (7 hours):

MATH	1304	College Algebra
BIOL	1401	Diversity of Life and Laboratory

### 6. Second Language (6 hours):

Must be two consecutive courses of the same language or equivalent

### 7. Wellness (3 hours):

DWHP	1200	Dimensions of Wellness
1 hour additional PE activity		

### 8. Computer Literacy (3 hours)

EDUC	3340	Technology in Education
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### 9. Community Service (45 clock hours)

Total Hours in Core

46

**INTERDISCIPLINARY STUDIES MAJOR**

**Interdisciplinary Courses**

HIST	1322	The United States Since 1865	3
HIST	2322	Texas History	3
POLS	1316	State and Local Politics	3
ENGL	4367	Literature for Children and Young Adults	3
ENGL	3385	Integrated Language Arts	3
MATH	2374	Mathematics for Elementary Teachers	3
PHYS	2374	Science for Elementary Teachers	3
MATH	2375	Math/Science Pedagogy for Elementary Teachers	3
PEHP	3305	Motor Development, Health and Fitness	3
EDUC	3330	Social Studies Instruction	3
EDUC	4345	Creative Play and Play Environments	3

**READING MINOR**

EDUC	3316	Foundations of Language and Literacy	3
EDUC	3317	Language and Literacy Assessment	3
EDUC	3350	Emergent Literacy	3
EDUC	3351	Reading, Writing, and Study Skill in the Content Areas	3

**SPECIAL EDUCATION MINOR**

EDUC	2315	Survey of Students in Diverse and Inclusive Settings	3
EDUC	3343	Teaching Students with Learning Differences	3
EDUC	3346	Teaching Students with Emotional and Behavioral Disorders	3
EDUC	3349	Special Education Assessment and Evaluation	3

**PRE-PROFESSIONAL REQUIREMENTS**

EDUC	2305	Foundations of Education	3
EDUC	2361	Families, Schools, and Communities	3
AND		Admission to the Teacher Certification Program	

Total hours of Pre-Professional Requirements 63

**PROFESSIONAL DEVELOPMENT SEQUENCE**

EDUC	3373	Learning Theories	3
EDUC	3385	Culturally Responsive Teaching	3
EDUC	3375	Teaching the Young Child I	3
EDUC	3377	Teaching the Young Child II	3
EDUC	3379	Instruction and Assessment	3
EDUC	4305	Student Apprenticeship Seminar	3
EDUC	4605	Student Apprenticeship	6

Total hours of Professional Development 24

Total hours in Interdisciplinary Studies Degree

133

## SECONDARY EDUCATION

A secondary teaching program resulting in certification for eighth through twelfth grades is available. A student following this course of study will take the general education core, coursework in a major (teaching field) and a minor in Secondary Education (pre-professional courses, and the professional development sequence). Students pursuing the Secondary Education minor are also eligible to enroll in special education course-work and/or complete the optional special education minor.

Upon successful completion of both the program and applicable TExES examinations, the student will be eligible to apply for state certification to teach eighth through twelfth grades within their specialization field(s).

The following teaching fields are available at the secondary level: English Language Arts, History, Life Sciences, Physical Sciences, and Mathematics

Students pursuing English Language Arts/Reading certification must also take the following reading courses: EDUC 3316, EDUC 3317, EDUC 3351

### Requirements for a minor in Secondary Education

#### PreProfessional:

EDUC	2305	Foundations of Education
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#### Professional:

EDUC	3340	Technology in Education
EDUC	3373	Learning Theories
EDUC	3380	Pedagogy in the Secondary and Middle School
EDUC	3383	Integrative Pedagogy in the Secondary and Middle School
EDUC	3385	Culturally Responsive Teaching
EDUC	4305	Student Apprenticeship Seminar
EDUC	4605	Student Apprenticeship

### Requirements for a Minor in Reading (OPTIONAL):

EDUC	3316	Foundations of Language and Literacy
EDUC	3317	Language and Literacy Assessment
EDUC	3350	Emergent Literacy
EDUC	3351	Reading, Writing, and Study Skills in the Content Areas

### Requirements for a Minor in Special Education (Optional):

EDUC	2315	The Survey of Students in Diverse and Inclusive Settings
EDUC	3343	Teaching Students with Learning Differences
EDUC	3346	Teaching Students with Emotional and Behavioral Disorders
EDUC	3349	Special Education Assessment and Evaluation

Note: Specific course work related to each All-Level specialization is outlined under specialization headings.

## ALL LEVEL TEACHING (ALVT)

ALVT is an all-level teaching program resulting in certification for pre-kindergarten through the twelfth grade. A student will earn a B.A., B.M., or B.S., depending on the specialization chosen. A student following this course of study will take the general education secondary core, specialization coursework, and a minor in All Level Education (pre-professional courses and the professional development sequence). Upon successful completion of both the program and applicable TExES examinations, the student will be eligible to apply for state certification to teach elementary through high school level students within their chosen field of study. The following specializations are available to ALVT majors: Art; Music; Physical Education; Spanish and Theatre Arts.

Note: Specific coursework related to each All-Level certification field is outlined under the respective major/specialization.

Requirements for a Minor in All Level Education:

### PreProfessional:

EDUC	2305	Foundations of Education
EDUC	4345	Play and Play Environments (Spring section)

### Professional:

EDUC	3340	Technology in Education
EDUC	3370	Teaching Diverse Populations
EDUC	3373	Learning Theories
EDUC	3380	Pedagogy for the Secondary and Middle School
EDUC	3385	Culturally Responsive Teaching
EDUC	3383	Integrative Pedagogy for the Secondary and Middle School
EDUC	4305	Student Apprenticeship Seminar
EDUC	4605	Student Apprenticeship

## Admission to Teacher Certification Program (TCP)

All students who plan to follow a program leading to initial certification must formally apply and be admitted to the Teacher Certification Program. Applications for admission into Teacher Education are accepted within the first six weeks of both the spring and the fall semesters. The application packet may be picked up from the Education Office.

**NO STUDENT MAY TAKE COURSEWORK IN THE PROFESSIONAL DEVELOPMENT SEQUENCE PRIOR TO UNCONDITIONAL ACCEPTANCE INTO THE TEACHER CERTIFICATION PROGRAM.**

Specific dates for the TCP application process are announced at the beginning of each semester. Applicants are responsible for meeting posted deadlines. The students must submit application packets containing the following information by the specified deadline.

1. A transcript issued by the Registrar's Office of each college or university attended (an unofficial transcript is acceptable) verifying that:



- a. At least 60 hours of college core coursework has been completed or is in progress. Students are responsible for providing all documentation of coursework, including transfer transcripts.
  - b. The student has a cumulative grade point average of a 2.75 or greater at time of application. Students are responsible for maintaining minimum GPA requirement of 2.75 until program completion.
  - c. For undergraduates, a grade of “C” or better must have been earned for every course taken; undergraduate students are responsible for maintaining grades of “C” or better in each course until the program is completed.
2. A copy of a self-updated degree plan. If no degree plan exists for an undergraduate applicant, the student must formally apply to the major through Academic Advising. This application process occurs each fall and spring semester. Specific dates are announced at the beginning of each semester.
  3. Verification that all three sections (reading, writing and mathematics) of the THEA (Texas Higher Education Assessment) exam have been successfully completed with a score of 230 or higher.
  4. Verification of a score at or above 30% on the Nelson Denny Reading Test.
  5. Verification that EDUC 2305: Foundations of Education has been successfully completed or is in progress.
  6. Submission of a well-written one-page essay on an educational topic. The student will be given a topic on which to write. This “writing sample” will be monitored and completed during a scheduled thirty-minute period. Sign-up times for this writing sample are made available during the application period.
  7. Submission of two separate written recommendations. Forms are provided in application packet. Whenever possible, students should seek recommendations from non-education content area faculty members who have had the student in class and can attest to performance in academic coursework.

NOTE: Additional data regarding fitness for teaching - maturity, independence, responsibility, interpersonal relations, etc, - are solicited from the UIW members of the community who have come in contact with the applicant. This data may be considered in the Teacher Education Advisory Committee's deliberations described below. This information is of great significance to the decisions made by both the Dreeben School of Education and the university-wide committee regarding acceptance into the Teacher Certification Program.

After all application requirements have been submitted, interviews are scheduled. These interviews usually consist of one hour sessions with five to eight applicants in each session. Members of the Dreeben School of Education faculty and administration as well as University faculty and administration from other disciplines, will make up the interview teams. Recommendations from the interview teams will then be presented to the Dreeben School of Education faculty for their approval and recommendations. These approvals and recommendations will then be presented to the university-wide Teacher Education Advisory Committee for final consideration. A formal letter of unconditional acceptance, conditional acceptance, or denial will be mailed to each

applicant by the end of the semester. The Certification Office will not make any announcements as to the status of any applicant until such letters are sent.

**ACCEPTANCE INTO THE TEACHER CERTIFICATION PROGRAM DOES NOT GUARANTEE ACCEPTANCE TO THE STUDENT APPRENTICESHIP PROGRAM NOR THE GRANTING OF STATE CERTIFICATION.**

## Admission to the Teacher Apprenticeship Program

The two final courses in the professional development sequence involve supervised teaching and an associated seminar. Undergraduates take the Teaching Apprenticeship, a one-semester experience of supervised teaching in conjunction with a Teaching Apprenticeship Seminar. Post-bac candidates have two options: The Teaching Apprenticeship or an Internship. The details of the Internship are described in a following section; however, all of the procedures for applying to the apprenticeship program, as described in this section, must also be followed by students who prefer to fulfill the requirement for a supervised teaching experience with an internship.

Students must apply for Teacher Apprenticeship the semester BEFORE they plan to apprentice. The Dreeben School of Education, the university-wide Teacher Education Advisory Committee, and the State Board for Educator Certification all recommend that students applying for apprenticeship must have completed, or be in the process of completing, all required course-work prior to making application. On a case-by-case basis, the Director of Teacher Education may give approval for registration in only one three-credit course along with Teacher Apprenticeship and Teacher Apprenticeship Seminar; students must request this consideration in writing.

Students wishing to complete the Apprenticeship, or begin the Internship, in the fall semester should apply in the previous spring or summer. Students wishing to do the Apprenticeship in the spring semester should apply the previous fall; no Internships may be started in the spring semester.

Applications for Teacher Apprenticeship/Internship are accepted each fall and spring semester. Specific application dates are announced at the beginning of each semester. Applicants are responsible for adhering to all deadlines. The students must submit application packets containing the following information by the specified deadline:

1. Proof of unconditional acceptance into the Teacher Certification Program.
2. A score of 80% or above on the content area TExES practice exam.
3. A transcript issued by the Registrar's office (an unofficial transcript is acceptable) verifying:
  - a. All course-work on degree plan has been completed or is in progress, with the exception of the apprenticeship course and seminar, and the option of one additional three-hour course (if approved by the Director of Teacher Education).
  - b. The student has a cumulative grade point average of a 2.75 or greater at the time of application. Students are responsible for maintaining a minimum GPA until program completion.

- c. For undergraduates, a grade of “C” or better must have been earned for every course taken in the major; undergraduate students are responsible for maintaining grades of “C” or better in each course until the program is complete.
4. A self-updated degree plan verifying the completion of all courses. This includes all transfer credit/work, all courses waived, or all courses substituted, if any.
5. Submission of two separate written recommendations. Forms are provided in application packet. When possible, students should seek recommendations from non-education content area faculty members who have had the student in class and can attest to performance in academic course work.

NOTE: Additional data regarding fitness for teaching-maturity, independence, responsibility, interpersonal relations, etc., - are solicited from UIW members of the community who have come in contact with the applicant; this data may be considered in the University-Wide Teacher Education Committee's deliberations as described below. This information is of great significance to the decisions made by both the Dreeben School of Education and the University-Wide Committee regarding acceptance into the Teacher Certification program.

6. Submission of a formal paper describing the applicant's philosophy of education. This essay must be typed and must reflect the applicant's experiences and attitudes toward individual teaching style, methods, and goals. This essay may also be included in the applicant's portfolio.

7. A portfolio demonstrating the applicant's experiences and work within the education program. These portfolios are designed to reflect and assess the applicant's growth and expertise within their chosen fields throughout their educational experiences.

After all application requirements are submitted, interviews are scheduled. These interviews usually consist of one hour sessions with five to eight applicants in each session. Members of the Dreeben School of Education faculty and administration, as well as university faculty and administration from other disciplines, will comprise the interview teams. Recommendations from the interview teams will then be presented to the Dreeben School of Education faculty for their approval and recommendations. These approvals and recommendations will then be presented to the university-wide Teacher Education Advisory Committee for final consideration. A formal letter of unconditional acceptance, conditional acceptance, or denial will be mailed to each applicant by the end of the semester. The Certification Office will not make any announcements as to the status of any applicant until such letters are sent.

A seminar must be completed during the semester of the Apprenticeship/Internship. In order to successfully complete this seminar, all practice TExES exams required for certification must be passed with a score of 80% or above.

In addition to the successful completion of the Teacher Apprenticeship, students must also complete additional requirements to be certified by the State

Board for Educator Certification. The Certification Office will provide information to candidates at the time of their application to SBEC.

## Internship

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In January 1988, the State Board of Education adopted Rule 19 TIC 137.321 for persons seeking initial teacher certification who already hold a baccalaureate degree. One of the provisions in the certification requirement is:

“(D) a field internship of one school year where the intern may be employed as a teacher of record and where the intern is jointly supervised by the college or university and a cooperating school district accredited or recognized by the Texas Education Agency....” (137.321).

Internships offer an opportunity for the intern to meet the requirements for a student teaching experience while employed in a teaching position and is a cooperative effort between the intern, the school district, and the University of the Incarnate Word. The University of the Incarnate Word is responsible for the internships in terms of SBEC requirements and supervision. Therefore, all internships **MUST** be approved by the UIW Certification Officer prior to acceptance of a position in the school district.

The student must meet the eligibility requirements described by the Texas Academic Code, as listed below. The internship may be extended for up to two years if determined necessary by the school district and the university. (The program is not available to pre-service students who are pursuing teacher certification in conjunction with meeting undergraduate degree requirements.)

Internships are for two consecutive academic semesters and may only begin in the fall. Interns must attend and complete all requirements of the associate Internship Seminar in conjunction with the Internship. Interns must meet the University deadlines for registering for the internship. To be eligible, the student must:

1. Hold a baccalaureate degree from an accredited institution of higher education.
2. Have and maintain an overall GPA of 2.75 on a 4.0 scale.
3. Be unconditionally accepted into the Teacher Certification Program.
4. Be accepted for Internship by the Dreeben School of Education faculty.
5. Have successfully completed all required coursework.
6. Be hired in a full time position by an accredited school located within Bexar County and in a location approved by University of the Incarnate Word. The teaching position must be in the area and at the level for which certification is sought. The position must be approved by the UIW Certification Officer prior to a contract being signed or even a verbal commitment made to the district.

## Application and Approval for State Certification

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Application for Texas certification is made available through the Certification Office of the University of the Incarnate Word. Information regarding testing

dates, registration deadlines, or testing sites is available through published bulletins available in the Certification Office. Application for certification takes place once all coursework, an Apprenticeship or Internship, and required state-administered competency examinations (TExES) examinations have been successfully completed.

NOTE: It is the recommendation of the Certification Office that the application for state certification be filed immediately after graduation or upon completion of all required TExES examinations, whichever comes first, to ensure that program changes, if any, do not affect certification status of individual applying.

Students seeking certification from the University of the Incarnate Word Program are subject to any additional or new requirements set forth by legislative mandates or by the State Board for Educator Certification.

## Child Studies

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Child Studies is a non-certification program in education for students who are seeking careers in the early childhood profession in childcare and preschool settings. Students eligible for this degree program will have obtained a CDA, an Associate's Degree or 60 hours in early childhood education and core requirements. Coursework for Child Studies are only offered through ADCaP program.

A student following this course of study will take the general education core, specialized course work (transferred from a community college) and upper division professional requirements. After the completion of this program the student is qualified as an early childhood professional educator.

General Education Core for the BA in Child Studies:

Major in Child Development and/or Early Childhood Education

Up to 36 hours of transfer credit in the Associate's Degree or within the 60 Hours in child development/early childhood transferred:

ENGL 1311, Composition I	3
ENGL 1312, Composition II	3
ENGL 2310, World Literature	3
Fine Arts	3
PHIL 1381, Introduction to Philosophy	3
Religious Studies	3
Religious Studies or Philosophy	3
History	3
Social Science	3
Natural Science w/Lab	4
Math 1304, College Algebra	3
Foreign Language I	3
Foreign Language II	3
DWHP 3300, Dimensions of Wellness	3
Computer Literacy (pass exam/waive)	3

INTERDISCIPLINARY MODULE

English:

ENGL	4367	Children's Literature	3
ENGL	3385	Integrated Language Arts	3

Total English hours 6

Physical Education:

PEHP	3305	Motor Development, Health, and Fitness	3
PEHP	4345	Psychomotor Development: Educational Implications	3

Total hours in physical education 6

Upper Division Education

EDUC	3316	Foundations of Language and Literacy	3
EDUC	3350	Emergent Literacy	3
EDUC	4372	Cognitive Structures and Language Acquisition	3
EDUC	3364	History and Philosophy of Early Childhood Education	3
EDUC	4345	Creative Play and Play Environments	3
EDUC	3300	The Survey of Children in Diverse and Inclusive Settings	3
EDUC	3360	Early Childhood/Kindergarten Curriculum	3

Total hours in upper division education 21

Upper Division Module:

THAR	4301	Creativity in the Arts	3
PHIL	3333	Applied Ethics	3
SOCI	3343	The Family	3

Total in upper level module 9

**Early Childhood Administration**

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Early Childhood Administration is a non-certification program for students who are seeking a career in administration in the early childhood profession. This course of study is offered as a joint program between University of the Incarnate Word and Del Mar Community College. The general education requirements and the early childhood development module are offered through Del Mar Community College and the major requirements module and the education module are offered through the University of the Incarnate Word's Adult Degree Completion Program on the Del Mar campus in Corpus Christi, Texas. After completion of the program, the student is qualified as an early childhood administrator.

Major Requirements Module for the BA in Early Childhood Administration

DWHP	3300	Dimensions of Wellness
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D R E E B E N   S C H O O L   O F   E D U C A T I O N

PHIL	3333	Applied Ethics
THAR	4301	Creativity in the Arts
ENGL	4367	Children's Literature
RELS	3000	Level

Education Module in Early Childhood Administration

EDUC	3300	Survey of Children in Diverse and Inclusive Settings
EDUC	3305	Law for Early Childhood Administration
EDUC	3310	Finance for Early Childhood Administration
EDUC	3315	Leadership: The Human Side of Management
EDUC	3320	Facilities Operations
EDUC	3360	Early Childhood/Kindergarten Curriculum
EDUC	3364	History and Philosophy of Early Childhood Education
EDUC	4345	Creative Play and Play Environments
EDUC	4399	Internship

## *Extended Academic Programs*

The division of Extended Academic Programs' (EAP) emphasis is to make high quality educational opportunities readily available to working adults who wish to obtain their university degree or gain professional certifications. EAP has the capability to expand both programmatically and geographically to meet the professional development needs of local and global populations. Developing new delivery formats for existing majors, designing new majors through joint agreements with other educational institutions and businesses, and developing non-degreeed professional certifications are only a few of the opportunities offered.

EAP is composed of three schools: the School of Extended Studies which houses the Adult Degree Completion Program (ADCaP); the Virtual University which is an online program referred to as the Universe Online; and Preparatory Programs which contains St. Anthony Catholic High School and Incarnate Word High School. EAP also has a continuing education function which operates through the Office of Personal and Professional Development (OPPD). The Center of Veterans Affairs for the university is also situated in EAP.

Qualified students enrolled in both ADCaP and Universe Online has attractive pricing with no academic fees as well as free textbooks for all undergraduate enrolled in either program.

### Adult Degree Completion Program (ADCaP)

The School of Extended Studies, Adult Degree Completion Program (ADCaP) is primarily an evening and weekend studies program. Evening course work is offered at four learning centers in San Antonio and one in Corpus Christi, Texas. We also offer Saturday classes at the Northwest Center in San Antonio. The School of Extended Studies offers Graduate courses on the weekend and in Corpus Christi. ADCaP is an accelerated program for working adults with six terms a year, each eight weeks in length. Students can earn up to 36 hours of credit per year by attending classes only two days per week. The following undergraduate and graduate degrees are currently available:

Business Administration (BBA) with concentrations in Accounting, Banking and Finance, General Business, Information Systems, Management and Marketing (Note: The BBA curriculum can be found under the H-E-B School of Business and Administration section of the UIW undergraduate catalog.)

Applied Arts and Sciences (BAAS)

Interdisciplinary Studies (BA, Teacher Certification) (Note: The teacher certification curriculum can be found under the Dreeben School of Education section of the UIW undergraduate catalog)

Nursing (RN to BSN) (Note: The RN to BSN curriculum can be found under the School of Nursing and Health Professions section of the UIW undergraduate catalog)



BA Organizational Development (BA)

BA Human Resources (BA)

Master of Business Administration (MBA) (Northwest and Corpus Christi Centers) (Note: The MBA curriculum can be found under the H-E-B School of Business and Administration section of the UIW undergraduate catalog)

Master of Arts and Administration (MAA) (Corpus Christi Center) (Note: The MAA curriculum can be found under the H-E-B School of Business and Administration section of the UIW undergraduate catalog)

## EArmyU, GoArmyEd, NCPDLP, and AU-ABC Program

These online programs are delivered to active duty military personnel. In the event that a student is accepted into the Universe Online program, it will be stipulated by the University that the service member is the holder of a high school diploma/GED based on program requirements and assurances. Students in these programs are active duty military, so age restrictions will not always apply when they are demonstrated to be good candidates for the online learning environment. Students will be accepted for Non-Degree seeking status upon presentation to the Universe Online program. Students who are attending another host institution in the program are permitted to take courses at the university and are not required to submit a letter of “good standing” or official transcripts. Additionally, they are not limited to 24 semester hours, per institutional agreement with each program. Conditions for admission, both Conditional and Unconditional, are identical to those stated above.

## Universe Online

This totally online program offers courses in an accelerated format, with five eight-week terms each year. Students can earn up to 30 credit hours each year by taking two classes per eight-week term. The Universe Online offers a variety of undergraduate and graduate programs. The following programs are available online:

Associate of Arts in Liberal Arts (AA) (only for active-duty military)

Associate of Arts in Business Administration (AA) (only for active-duty military)

Associate of Arts in Business Information Systems (AA) (only for active-duty military)

Business Administration (BBA) with concentrations in Management, Marketing, Information Systems, Accounting and General Business (Note: The BBA curriculum can be found under the H-E-B School of Business and Administration in the UIW undergraduate catalog)

Applied Arts and Sciences (BAAS)

BA Organizational Development

BA Human Resources

## EXTENDED ACADEMIC PROGRAMS

### BA Administration

BA Psychology (Note: The psychology curriculum can be found under the College of Humanities, Arts, and Social Sciences section of the UIW undergraduate catalog)

BA Religious Studies (Note: The religious studies curriculum can be found under the College of Humanities, Arts and Social Sciences section of the UIW undergraduate catalog)

Master of Arts in Administration with concentrations in Applied Administration, Communication Arts, Healthcare Administration, Instructional Technology, and Organizational Development (Note: The MAA curriculum can be found under the H-E-B School of Business and Administration section of the UIW graduate catalog)

Master of Business Administration with concentrations in General Business and International Business (Note: The MBA curriculum can be found under the H-E-B School of Business and Administration section of the UIW graduate catalog)

M. Ed. in Teacher Leadership (Note: The teacher leadership curriculum can be found under the Dreeben School of Education section of the UIW graduate catalog)

Graduate Certificates in International Business and Organizational Development (Note: The curriculum can be found under the H-E-B School of Business and Administration section of the UIW undergraduate catalog)

## Center for Veterans Affairs

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In an effort to address the special needs of the veteran population at the University the Center for Veterans Affairs was established. The Center gives all veterans, including those in main-campus traditional or EAP programs, a space to be advised, relax, work online, and get their VA paperwork submitted. The Center is staffed by the Coordinator for Veterans Affairs who also acts as the certifying official for the University.

## Extended Academic Programs Offered

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### ADMINISTRATION

The Bachelor of Arts in Administration is designed especially for the transfer student. It contains a professional sequence of business courses that will provide students the necessary background in administration for entry-level positions. This degree permits the student to customize their plan by requiring a minor that complements their current job or prepares them for future goals. This degree is also excellent preparation for the MBA, since it requires 8 of the 12 undergraduate courses required for entry into the MBA. By working with their advisor, a student can use the elective area to take the four extra courses they will need to be admitted to the MBA program.

Major Requirements for a Bachelor of Arts in Administration:

## EXTENDED ACADEMIC PROGRAMS

30 semester hours as follows:

ACCT	2311	Principles of Accounting I
ECON	2302	Principles of Microeconomics
BINF	2325	Personal Productivity Application
BLAW	3317	Business Law
BFIN	3321	Principles of Financial Management
BMKT	3331	Principles of Marketing
BMGT	3340	Management Theory & Practice
BMGT	3354	Human Resource Management
BMDS	3370	Business Statistics
BMGT	4355	Organizational Behavior & Leadership

Selection of a minor or transfer of at least 12 credit hours of course-work in a related discipline is required.

### APPLIED ARTS AND SCIENCES

The degree plan has been structured to allow a student to broaden the technical/occupational work with advanced study in business related coursework. Admission Requirements are completion of 18 or more hours from a regionally accredited institution with a minimum grade point average of 2.5 on a 4.0 scale. Additionally, the student must have completed 18-30 hours in an Occupational/Technical area or other academic area consisting of one discipline.

Major Requirements for a Bachelor of Applied Arts and Sciences:

Completion of 52/55 semester hours of the UIW Core Curriculum.

1. Professional Development Module: 30 hours of Business related coursework at the 3000-4000 level.

BMGT	3340	Management
BMGT	3354	Human Resource Management
BLAW	3317	Business Law
BMKT	3331	Principles of Marketing
BMGT	4355	Organizational Behavior
HRES	3350	Staffing
ORGD	3340	Organizational Development
ORGD	3360	Teambuilding in Organizations
ORGD	4350	Leadership in Organization
PHIL	3333	Applied Ethics

2. Primary Module: 18-30 hours. 18-30 hours normally taken at a community college in an occupational or technical field related to Business, Education, Humanities, Arts, or Sciences. Academic coursework can also be used if it consists of one discipline.
3. Upper Level Electives Module: Free elective hours some of which may be needed to meet the 42-hour upper division requirement for graduation

Total Requirements must equal at least 128 credit hours to be eligible for graduation.

## HUMAN RESOURCES

The purpose of the major in Human Resources is to prepare students for challenges in the workplace related to managing and developing people. This includes those interested in HR careers as well as those who desire to improve their ability to solve problems, improve processes and enhance the effectiveness of people in organizations. In addition to developing competencies in key HR activities (staffing; training & development; performance management; compensation & benefits; legal compliance), the student will develop important skills in critical thinking, problem solving, technology and business communication.

Major Requirements for a Bachelor of Arts in Human Resources:

45 semester hours as follows:

### A. Business (21 hours)

ACCT	2301	Accounting for non-business majors
BINF	2325	Personal Productivity Applications
BMDS	3370	Business Statistics
BMDS	3371	Management Science
BMGT	3340	Management Theory and Practice
BMGT	3354	Human Resources Management
BMGT	4355	Organizational Behavior & Leadership

### B. Human Resources (24 hours)

HRES	3330	Human Resources and the Law
HRES	3340	Organizational Development
HRES	3350	Staffing
HRES	3360	Training & Development
HRES	3370	Compensation and Benefits
HRES	3380	Performance Management
HRES	4350	Leadership in Organizations
HRES	4380	Capstone in Human Resources

Requirements for a minor in Human Resources:

Must Complete:

HRES	3340	Organizational Development
HRES	4350	Leadership in Organizations

And complete 12 hours from the following:

HRES	3330	Human Resources and the Law
HRES	3350	Staffing
HRES	3360	Training & Development
HRES	3370	Compensation and Benefits
HRES	3380	Performance Management

## ORGANIZATIONAL DEVELOPMENT

[Course Descriptions, page 345]

The purpose of the major in Organizational Development is to prepare students for challenges related to improving organizational effectiveness and efficiency by increasing the capacity for individuals, groups and organizations to adapt to change. This includes those interested in becoming OD practitioners, as well as those desiring to learn approaches for introducing new methods or practices in the workplace, and in helping organizations solve problems and achieve goals. In addition to building a foundation in business/business management, and developing competencies in key OD activities, the student will develop important skills in critical thinking, problem solving, technology and business communication.

### Major Requirements for a Bachelor of Arts in Organizational Development:

45 semester hours as follows:

#### A. Business (21 hours)

ACCT	2301	Accounting for Non-Business Majors
BINF	2325	Personal Productivity Applications
BMDS	3370	Business Statistics
BMDS	3371	Management Science
BMGT	3340	Management Theory and Practice
BMGT	3354	Human Resources Management
BMGT	4355	Organizational Behavior & Leadership

#### B. Organizational Development (24 hours)

ORGD	3340	Organizational Development
ORGD	3360	Team Building in Organizations
ORGD	3370	Total Quality Management
ORGD	3395	Organizational Change
ORGD	3390	Communication in Organizations
ORGD	4330	Organizational Learning
ORGD	4350	Leadership in Organizations
ORGD	4380	Capstone in Organizational Development

### Requirements for a minor in Organizational Development:

Must complete:

ORGD	3340	Organizational Development
ORGD	4350	Leadership in Organizations

And complete 12 hours from the following:

ORGD	3360	Team Building in Organizations
ORGD	3370	Total Quality Management
ORGD	3395	Organizational Change
ORGD	3390	Communication in Organization

EXTENDED ACADEMIC PROGRAMS

ORGD 4330 Organizational Learning

## *Feik School of Pharmacy*

### Pharmacy Programs Offered

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#### PRE-PHARMACY PROGRAM

The pre-pharmacy curriculum is a rigorous two-year program designed to prepare students for admission to the professional Doctor of Pharmacy program. It includes a liberal arts core of social sciences and the arts, combined with courses in math and the biological, physical and chemical sciences. While satisfying the general college core requirements, the curriculum also equips the student with the intellectual and scientific base essential to academic success in a challenging professional program. The student-friendly atmosphere at UIW includes a variety of athletic, social, musical, dramatic, and religious activities, creating a culturally rich learning environment in which to pursue pre-pharmacy studies.

Coursework (Pre-pharmacy core curriculum) minimum 71 semester hours:

#### First Pre-Professional Year

##### Fall - 17 semester hours

CHEM	1301 / 1101	Chemical Principles I and laboratory	4.0
MATH	1311	Precalculus	3.0
BIOL	2321 / 2121	Anatomy and Physiology I and Lab	4.0
ENGL	1311	Composition I	3.0
PHIL	1381	Introduction to Philosophy	3

##### Spring - 18 semester hours

CHEM	1302 / 1102	Chemical Principles II and laboratory	4.0
MATH	2312	Calculus I	3.0
BIOL	2322 / 2122	Anatomy and Physiology II and Lab	4.0
ENGL	1312	Composition II	3.0
RELS	XXXX	Religious Studies	3

#### Second Pre-Professional Year

##### Fall - 19 semester hours

CHEM	2311 / 2111	Organic Chemistry I and laboratory	4.0
MATH	2303	Introduction to Probability and Statistics	3
BIOL	1402	Unity of Life (Biology)	4.0
ENGL	2310	World Literature Studies	3.0
PHAR	2105	Professional (Applied) Development Skills (PADS II)	1.0
ARTS, MUSI, ARTH, THAR Fine Arts			3.0*

##### Spring - 17 semester hours

CHEM	2312 / 2112	Organic Chemistry II and laboratory	4.0
BIOL	3471	General Microbiology and Lab	4
PHYS	2305 / 2105	Physics I and Lab	4
PHAR	2110	Professional (Applied) Development Skills (PADS III)	1.0

SOCI, PSYC, POLS, Social Science	3.0*
HIST XXXX History	3.0*

\* Required coursework, may choose one course from within each category

### Admission Requirements

Successful applicants to the pre-pharmacy sequence must meet all admission criteria of the UIW including: GPA, high school course difficulty, class rank, SAT or ACT scores, extracurricular activities (including work experience), and letters of recommendation.

To be admitted to the pre-pharmacy sequence, the applicant must interview with an admissions counselor and the pre-pharmacy coordinator for appropriate academic advisement and placement. Students with excellent grades in appropriate high school and / or post- secondary math and science courses will be placed in the pre-pharmacy cohort. The number of seats in each pre-pharmacy cohort is limited. Students who have not completed higher levels of math and science will be placed in college level math and science and reevaluated at the end of the first semester of study.

Full time students who earn a semester GPA of less than 2.0 in any 12-semester hours or more will be placed on scholastic probation. A cumulative GPA below 2.0 will also be considered as a basis for probationary status. Although attendance at the University is not precluded, students on scholastic probation may no longer continue as a pre-pharmacy major.

#### \* Promotion and Retention:

The completion of the pre-pharmacy curriculum does not lead to a degree. Completion of the pre-pharmacy sequence satisfies the educational requirements for application to most pharmacy schools in the United States and Canada. Admission to the UIW professional program in pharmacy is not promised or guaranteed. The student completing the curriculum will have at least 71 hours of core education and science courses that are applicable to a variety of degree paths in the physical and social sciences.

#### Minimum Requirements for Application to the Pharm. D. program:

Overall minimum GPA of 2.5; 2.5 GPA in science and math courses; Grades of C or better in core science and math courses. (C-minus is not accepted).

PHARMACY COLLEGE ADMINISTRATION TEST (PCAT) Register for UIW school of Pharmacy site #99 must be taken by January of entry year for professional school.

Completion of 80 hours of pharmacy related experience at approved sites prior to matriculation.



## *H-E-B School of Business and Administration*

### **BACHELOR OF BUSINESS ADMINISTRATION (BBA)**

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The BBA degree program goal is to develop in each student a broad understanding of how the elements and processes of business organizations relate to one another and to the external environment. Degree requirements are designed to develop proficiency and confidence in the functional areas of business. In addition to providing the technical skills required for a professional level business position, the ethical considerations of business are emphasized.

Students who successfully complete the BBA program will:

- A. Be able to demonstrate an awareness of domestic and global social issues, and the role of business in solving them;
- B. Demonstrate knowledge in the fundamental practices of business;
- C. Be able to demonstrate technological proficiency in preparation and analysis of an industry standard spreadsheet application;
- D. Demonstrate the ability to think critically and communicate complex ideas through writing.

### **Accelerated Bachelor of Business Administration/Master in Business Administration**

The Accelerated BBA/MBA degree program allows academically prepared and motivated undergraduate students an opportunity to complete degree requirements for both the bachelor and master degrees at an accelerated pace. By linking the curricula of the undergraduate and graduate business programs, not only is student knowledge and skill level reinforced, but students can complete both programs sooner and at less expense than if they enrolled in both programs separately.

The BBA/MBA can be used for any BBA concentration and for any MBA. See the Graduate Bulletin for additional information and degree course requirements.

**BBA/MBA Student Eligibility Requirements:**

1. Students must have completed a minimum of 75 credits hours in their undergraduate program.
2. Transfer students must have completed a minimum of one semester as a full-time student at UIW.
3. Students must have a minimum accumulated GPA of 3.00.

### **BBA Degree Requirements:**

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The BBA degree program affords students the opportunity to select a concentration in a discipline of their choice, to include accounting, banking and finance, economics and finance, general business, Hispanic marketing, information systems, international business, international economics, management, marketing, merchandising management, political economy, and sports management. A concentration is a minimum of 18 semester hours within a discipline of which a minimum of nine hours must be upper-division hours. In addition, students have the opportunity to complete a minor in accounting, business administration, economics, information systems, management, and marketing. Academic requirements for award of a concentration, and for award of a minor with a concentration, are defined in the following sections.

To fulfill the requirements for the Bachelor Degree in Business Administration, the student must complete the following:

1. 18 semester hours of required lower division business core courses. These courses serve as prerequisites for required upper division business core courses.

ACCT	2311	Principles of Accounting I
ACCT	2312	Principles of Accounting II
BINF	2321	Introduction to Information Systems
BINF	2325	Personal Productivity Applications
ECON	2301	Principles of Macroeconomics
ECON	2302	Principles of Microeconomics

2. 27 semester hours of required upper division business core courses.

BMDS	3370	Business Statistics
BMDS	3371	Management Science
BINT	3331	International Business Management
BLAW	3317	Business Law
BMKT	3331	Principles of Marketing
BMGT	3340	Management Theory and Practice
BFIN	3321	Principles of Financial Management
BMGT	4380	Integrative Business Analysis and Decision Making I
BMGT	4381	Integrative Business Analysis and Decision Making II

3. Additional semester hour requirements established for the student's chosen concentration. Disciplines may offer selected topics to address special needs and interests. These courses will be listed as 4399 and may be used to satisfy concentration requirements. Refer to descriptions of each concentration for more details.

4. Students may have an option to complete an internship for credit. Refer to the internship descriptions of each discipline for more details. All internships for credit require permission of the internship instructor and registration with the Career Services Internship Program. Internships are primarily an academic and/or intellectual endeavor, with the goal of establishing the link between theory and practice directly related to the student's major field of study. Once the approvals are in place a learning agenda will be established between the internship instructor and the student. Weekly activities and hours worked are reported to the internship instructor and Career Services. Most internships require a minimum

GPA of 3.0 and completion of 12 hours of study in the discipline.

The requirements for a Minor in Business Administration:

To fulfill the requirements for the Minor in Business Administration, students must complete the following:

BINF	2321	Introduction to Information Systems
ACCT	2301	Accounting for Non-Business Majors
BINT	3331	International Business Management
BMGT	3340	Management Theory and Practice
BMKT	3331	Principles of Marketing
BLAW	3317	Business Law

## ACCOUNTING (ACCT)

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[Course Descriptions, page 258]

Accounting is the means by which businesses report to their stakeholders the results of their operations, comprehensive income, financial position and changes in cash and owner's equities by analyzing, recording, presenting and interpreting the results of transactions and events. Intended to develop the decision making and accounting skills needed to enter the profession and become accountants in public practice, industry, non-profit organizations or government, the curriculum is based on the American Institute of Certified Public Accountants' core competencies.

Requirements for the Accounting Concentration in the BBA:

A. 15 semester hours of required accounting courses:

ACCT	3311	Intermediate Accounting I
ACCT	3312	Intermediate Accounting II
ACCT	3313	Cost Accounting
ACCT	3315	Federal Income Tax I
ACCT	4314	Auditing

B. 9 semester hours of upper division accounting electives.

As qualifications to sit for the CPA exam, the Texas State Board of Public Accountancy (TSBPA) requires 30 semester hours of approved upper division accounting courses, 24 hours of approved upper division business courses, and an approved three hour course in ethics, included within a total of 150 semester hours with a degree.

Accelerated Bachelor of Business Administration/Master of Science in Accounting

The BBA/Master of Science in accounting program offers a thirty-hour graduate degree in a combined five-year program with the BBA. The program is designed to provide the opportunity for students to achieve the professional competencies required for entrance to the accounting profession, as well as to provide the candidate the credentials required by the Texas State Board of Public Accountancy to sit for the national CPA licensing examination. BBA candidates with a declared concentration in accounting, a 3.0 GPA in the undergraduate prerequisite accounting courses, junior standing and permission of their academic advisor, may apply for admission to the MS in accounting program. Applicants accepted in the program earn up to nine hours of graduate work during the senior undergraduate year, and may earn both the BBA and MS in accounting degrees after completing all requirements. This master's program is also open to those who already have their bachelor's degree from varied academic backgrounds including but not limited to accounting. See the Graduate Bulletin for more information.

### Requirements for a Minor in Accounting

The accounting minor consists of 15 semester hours:

- A. ACCT 2311 Principles of Accounting I  
ACCT 2312 Principles of Accounting II
- B. 9 semester hours of upper division accounting electives. Upper division course prerequisites must be observed.

## **BANKING AND FINANCE (BFIN)**

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[Course Descriptions, page 259]

The program is designed to prepare students for careers in private and public employment in the fields of banking, financial management, investments, and securities markets.

To fulfill the requirements for award of the Banking and Finance concentration, the student must complete:

- A. 12 semester hours of required courses:
  - BFIN 3322 Intermediate Financial Management
  - BFIN 3324 Investments
  - BFIN 3325 Money and Capital Markets
  - ACCT 3311 Intermediate Accounting I

B. 6 semester hours in area of emphasis, either:

Corporate Finance Emphasis: Students must choose 6 semester hours from the following courses:

- BFIN 3355 International Banking and Finance
- BFIN 4355 Capital Budgeting
- BFIN 4373 Case Studies in Financial Management or

Banking Emphasis: 6 semester hours as follows:

- BINT 3355 International Banking and Finance

## ECONOMICS CONCENTRATIONS

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Economics is the social science that derives policy for managing scarce resources effectively. Economic analysis is applied throughout society not only in business and finance, but also in politics, health, law, education, religion, social institutions and many other fields. Students can select from four concentrations: economics, economics and finance, international economics, political economy and/or have the option of a minor in economics.

### ECONOMICS (ECON)

Economics is the social science that derives policy for managing scarce resources effectively. Economic analysis is applied throughout society not only in business and finance, but also in politics, health, law, education, religion, social institutions and many other fields. The economics concentration is an excellent preparation for numerous non-academic careers and for graduate studies in various disciplines.

To fulfill the requirements for the economics concentration, students must complete:

A. 12 hours of required courses in Economics:

ECON	3340	Public Finance
ECON	3350	Latin American Economics
ECON	4310	International Economics
ECON	4360	Econometrics

B. 9 semester hours of required courses in applied Economics:

ACCT	3311	Intermediate Accounting I
BFIN	3325	Money and Capital Markets
BMKT	3361	International Marketing

### Requirements for a Minor in Economics:

ECON	2301	Principles of Macroeconomics
ECON	2302	Principles of Microeconomics
ECON	3340	Public Finance
ECON	3350	Latin American Economics
ECON	4310	International Economics
ECON	4360	Econometrics

## ECONOMICS AND FINANCE

Students concentrating in economics and finance are prepared for careers in the fields of banking, investments, financial management, securities markets, international financial markets and government service. Students are equipped to

function in today's global business environment. The concentration is an excellent preparation for the M.B.A.

To fulfill the requirements for award of the Economics and Finance concentration, the student must complete:

A. 12 hours of required courses in Economics:

ECON	3340	Public Finance
ECON	3350	Latin American Economics
ECON	4310	International Economics
ECON	4360	Econometrics

B. 12 hours of required courses in Finance:

BFIN	3322	Intermediate Financial Management
BFIN	3324	Investments
BFIN	3325	Money and Capital Markets
BFIN	3355	International Banking and Finance

## INTERNATIONAL ECONOMICS

[Course Descriptions, page 263]

The international economics concentration equips students to function in the global environment. Economics provides the guiding principles to most, if not all, business disciplines and it provides an excellent foundation for graduate studies of law, public administration and other specializations.

To fulfill the requirements for the concentration in international economics, the student must complete 24 semester hours of required courses in economics, 12 of which are completed at UIW and 12 of which are completed at the University of Monterrey, Mexico (UDEM). Spanish language fluency is required for study at the UDEM. Spanish language courses can be taken at UIW and/or at the UDEM in a summer or semester before studying economics abroad. Study at UDEM requires junior or senior status with a cumulative GPA of 3.0.

To fulfill the requirements for the concentration in international economics, the student must complete the following:

A. UIW Economics Courses:

ECON	3340	Public Finance
ECON	3350	Latin American Economics
ECON	4310	International Economics
ECON	4360	Econometrics

B. UIW students will take the following two courses and an additional two courses from one of the specializations listed below. These courses will be taken at the University of Monterrey, Mexico.

EC	1160	Micro Economy I
EC	1530	Analysis of Macroeconomic Models

- Specialization in International Economics

EC	1050	Economic Problems in Mexico
EC	1340	International Business Atmospheres
EC	1550	International Finance
EC	2330	International Trade
EC	2920	Commercial Opportunities with America

- Specialization in Econometrics

EC	2440	Business Forecasts
EC	2890	Econometrics for Financial markets
EC	3070	Econometrics Applied to the Company

- Specialization in Business Economics

EC	1180	Pricing Techniques and Strategies
EC	2440	Business Forecasts
EC	2860	Administrative Economics
EC	3050	Economic Environment of Companies

- Specialization in Financial Economics

EC	1250	Money and Banking
EC	1550	International Finance
EC	2660	Exchange Finance

- Specialization in Development Economics

EC	1050	Economic Problems in Mexico
EC	1150	Sustainable Development Economy
EC	2720	Economic Development

- Specific courses within each specialization will be determine in consultation with the UIW Coordinator of economics.

## POLITICAL ECONOMY

The political economy concentration aims to develop theoretical and empirical understanding of the connections between economics and politics. Students majoring in political science gain an appreciation of the role of economic forces in politics. Economics majors learn how politics influence economic behavior in the real world. Students choosing a concentration in political economy will be especially well prepared for graduate study in economics, political science, or business, and for both academic and non-academic careers in policy analysis, business administration, law, government relations, and other fields.

### Requirements for a concentration in Political Economy:

A. 18 semester hours of required hours in Economics:		
ECON	2301	Principles of Macroeconomics
ECON	2302	Principles of Microeconomics
ECON	3340	Public Sector Economics

ECON	3350	Latin American Economics
ECON	4310	International Economics
ECON	4360	Econometrics

B. 6 semester hours required hours in Political Science:

POLS	1315	American Politics
POLS	2320	International Relations

C. 6 elective hours in Political Science from the following courses:

POLS	2375	International Organizations
POLS	4321	United States Foreign Policy
POLS	4322	National Security Policy
POLS	4323	Politics of Coffee and Sugar
POLS	4363	Political Globalization

## GENERAL BUSINESS

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The general business curriculum allows students desiring a broad background in business administration to design their own area of emphasis, with the approval of their advisor. To fulfill the requirements for award of the general business concentration, the student must complete 18 semester hours in business courses at the 3000 or 4000 level from any of the following eight disciplines: Accounting, Banking and Finance, Management, Business Law, Economics, Information Systems, International Business, and Marketing. Of these, six semester hours must be at the 4000 level.

## INFORMATION SYSTEMS (BINF)

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[Course Descriptions, page 262]

The information systems concentration prepares students to solve technical, customer service, and management problems in governmental, business and other community organizations using information management principles and information technology skills.

To fulfill the requirements for the Business Information Systems concentration, the student must complete the following 18 semester hours:

BINF	2330	Programming Languages I
BINF	3362	System Analysis and Specification
BINF	3363	Design and Implementation of Databases and Systems
BINF	3367	Introduction to Networks and Telecommunications
BINF	4363	E-Business Strategy, Architecture and Design
BINF	4370	Project Management

Requirements for a Minor in Information Systems include completion of:

A. 12 semester hours of required courses:

BINF	2321	Introduction to Information Systems
BINF	2325	Personal Productivity Applications



BINF	3362	System Analysis and Specification
BINF	3363	Design and Implementation of Databases and Systems

B. In addition, students must choose 3 semester hours from the following courses:

BINF	4363	E-Business Strategy, Architecture and Design
BINF	4370	Project Management

## INTERNATIONAL BUSINESS (BINT)

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[Course Descriptions, page 263]

The international business concentration is designed to prepare students with the skills necessary for international trade positions in business, governmental agencies or other organizations involved in global trade.

International business students, other than international students who attend UIW on a student visa, must engage in a meaningful academic international experience outside the U.S as a condition of graduation. Study Abroad, study at a UIW international campus, short course-based/faculty-led programs integrated into a course for which the student is registered, and approved international internships may qualify. Other options for meeting the requirement may be proposed by the student in the semester preceding the experience, and will be considered prior to the experience on a case-by-case basis by the student's advisor.

To fulfill the requirements for the international business concentration, the student must complete the following:

A. 15 hours:

BINT	3345	International Accounting
BINT	3355	International Banking and Finance
BINT	3361	International Marketing
BINT	4310	International Economics
BINT	4320	International Business Law

B. In addition, students must choose 3 semester hours from the following courses:

BINT	4360	Cross Border Forum
BINT	4380	Importing
BINT	4390	International Policies and Relations (Study Abroad)
BINT	4399	Special Topics

Students may also elect to take BINT 3319: International Internship in addition to the 18 hours required for the concentration.

## MANAGEMENT (BMGT)

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[Course Descriptions, page 265]

The management concentration is designed for students who aspire to assume positions in business organizations, governmental agencies, community/non-profit firms, or ownership/executive-level positions in small entrepreneurial companies.

To fulfill the requirements for award of the management concentration, the student must complete:

A. 9 semester hours as follows:

BMGT	3354	Human Resource Management
BMGT	4340	Management Skills
BMGT	4355	Organizational Behavior and Leadership

B. 9 hours selected from:

BMGT	4345	Entrepreneurship/Small Business Management
BMGT	4346	Systems and Quality Management
BMGT	4351	Seminar in Business and Society
BMGT	4356	Fundamentals of Organizational Change and Development
BMGT	4363	Electronic Business Strategy, Architecture and Design

C. Students may also elect to take BMGT 3319: Management Internship in addition to the 18 hours required for the concentration.

Requirements for a Minor in Management include completion of:

A. 12 semester hours as follows:

BMGT	3340	Management Theory and Practice
BMGT	4340	Management Skills
BMGT	3354	Human Resource Management
BMGT	4355	Organizational Behavior and Leadership

B. 3 semester hours from the following:

ACCT	2301	Accounting for Non-Business Majors
BINF	2321	Introduction to Information Systems

C. 3 semester hours from the following:

BMGT	4351	Seminar in Business and Society
BMGT	4356	Fundamentals of Organizational Change and Development
BMGT	4363	Electronic Business Strategy

## MARKETING CONCENTRATIONS

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[Course Descriptions, page 267]

The marketing concentration is designed for students planning to assume managerial responsibilities in marketing, sales, distribution, advertising, and related fields. Students can select from three concentrations: Hispanic

Marketing, Marketing, Merchandising Management and/or have the option of a minor in Marketing.

## HISPANIC MARKETING

[Course Descriptions, page 259]

The Hispanic marketing concentration provides students with specific knowledge that will enable them to plan and implement marketing activities in firms that specialize in Hispanic markets. The concentration is also designed to leverage the firm's growth opportunities in the Hispanic population. Topics include Hispanic cultural values and consumption behavior, advertising and distribution issues in Hispanic markets, and tools that evaluate marketing strategies and help students understand the different demographic, socioeconomic, and behavioral segments among Latinos. Students will be expected to participate in various local, regional, and national activities as part of the curriculum.

Continuation in the program is contingent on maintaining a cumulative GPA of 3.3. Personal interviews will be conducted to determine the student's level of communication and leadership skills.

To fulfill the requirements for award of the Hispanic Marketing concentration, the student must complete the following:

A. 21 semester hours of required Marketing courses:

BMKT	2310	Introduction to the Latino Marketing Environment
BMKT	3345	Hispanic Marketing Communications
BMKT	3375	Hispanic Marketing Practice
BMKT	3377	Consumer Behavior
BMKT	4375	Market Research
BMKT	4377	Marketing Engineering for Hispanic Markets
BMKT	4390	Marketing Management

B. 3 semester hours of courses selected from the following areas:

BMKT	4399	Special Topics in Marketing
SOCI	3372	Hispanics in America
COMM	4320	Issues and Trends in Bicultural Communications
		any other related interdisciplinary course as approved by the advisor

## MARKETING (BMKT)

[Course Descriptions, page 267]

The marketing concentration is designed for students planning to assume managerial responsibilities in marketing, sales, distribution, advertising, and related fields.

A. To fulfill the requirements for award of the marketing concentration, the student must complete the following 12 hours:

BMKT	3334	Service Marketing
BMKT	3377	Consumer Behavior
BMKT	4375	Market Research
BMKT	4390	Marketing Management

B. To complete the 18 required semester hours in the concentration, students may choose 6 semester hours from the following courses:

BMKT	3319	Internship in Marketing
BMKT	3333	Fundamentals of Advertising
BMKT	3335	Sales Management
BMKT	3340	Retailing
BMKT	3361	International Marketing
BMKT	4380	Importing
BMKT	4399	Selected Topics

To fulfill the requirement for a minor in Marketing, the student must complete:

A.	BMKT	3331	Principles of Marketing
	ACCT	2301	Accounting for Non-Business Majors

B. 12 semester hours from the following courses:

BMKT	3333	Fundamentals of Advertising
BMKT	3334	Service Marketing
BMKT	3340	Retailing
BMKT	3361	International Marketing
BMKT	3377	Consumer Behavior
BMKT	4380	Importing

## MERCHANDISING MANAGEMENT

[Course Descriptions, page 267]

The merchandising management concentration is designed for students desiring careers in department and specialty store retailing. The program provides the student with an overview of the retail industry, merchandising functions and operations, and a foundation in marketing and other business disciplines.

To fulfill the requirements for award of the merchandising management concentration, the student must complete:

A. 12 semester hours of required courses:

FMER	1305	Introduction to Fashion Management
FMER	3383	Buying I
BMKT	3334	Service Marketing
BMKT	3340	Retailing

B. 6 semester hours selected from:

BMKT	3333	Fundamentals of Advertising
BMKT	3377	Consumer Behavior
BMKT	4390	Marketing Management
BMGT	3354	Human Resource Management

## SPORTS MANAGEMENT (SMHP)

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[Course Descriptions, page 371]

The sports management concentration is designed to prepare students for positions of leadership in professional sports, colleges, universities, and non-profit organizations. To fulfill the requirements for award of the sports management concentration, the student must complete the following 18 semester hours:

SMHP	3301	Introduction to Sports Management
SMHP	3302	Human Factors in Sports Management
SMHP	3303	Seminar in Sports Organizations and the Public Market
SMHP	3319	Internship in Sports Management
BMKT	3333	Fundamentals of Advertising
PEHP	4345	Psychomotor Development: Educational Implications

## ASSOCIATE OF ARTS IN BUSINESS

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This program is intended for students who are not planning to currently complete the Bachelor of Arts degree but are interested in entering the field of business. The Associate of Arts degree requires 34 approved core curriculum hours to include a course in macroeconomics, 18 requires hours within the concentration and 12 elective hours. The degree also requires the completion of community service hours.

Requirements for an Associates of Arts in Business Concentration:

A. The following 18 hours:

ACCT	2311	Principles of Accounting I
BINF	2325	Personal Productivity
BMGT	3340	Management Theory and Practice
BLAW	3317	Business Law
BMKT	3331	Principles of Marketing
BMDS	3370	Business Statistics

B. An additional 12 hours of approved electives

Requirements for an Associates of Arts - Business Information Systems Concentration:

A. The following 18 hours:

ACCT	2311	Principles of Accounting I
BINF	2321	Introduction to Information Systems
BINF	2325	Personal Productivity Applications
BINF	2330	Programming Languages I
BMGT	3340	Management Theory and Practice
BINF	3362	System Analysis and Specification

**H - E - B SCHOOL OF BUSINESS AND  
ADMINISTRATION**

B. An additional 12 hours of approved electives

## *School of Interactive Media and Design*

The School of Interactive Media and Design integrates existing programs in a dynamic, thoughtful and cohesive way in an effort to better serve the needs of the Incarnate Word student. The School of Interactive Media and Design programs emphasize the use of technology and provide students with a firm foundation in theory as well as application. Students participating in these programs develop the necessary knowledge and skills to enable them to become effective professionals in their selected careers.

The School of Interactive Media and Design offers undergraduate programs in Computer Graphic Arts, Interior Environmental Design, Communication Arts and Computer Information Systems. The school also houses for the Juren Sullivan Center for Fashion Management. Each of these programs is described in more detail in the sections under the appropriate department.

### Interactive Media and Design Programs Offered

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#### COMMUNICATION ARTS (COMM)

[Course Descriptions, page on page 272]

Within a liberal arts curriculum, the goals of the Communication Arts program are to cultivate the student's imagination and creativity through mastery of the technical skills needed to become effective professionals in the field of communications; to create an environment which fosters the exploration of diverse perspectives and encourages critical interpretation of ideas, images, and symbols; and to encourage students to use their skills and resources to serve their community and society, so that they are prepared to participate confidently, ethically, and competently as concerned and enlightened citizens.

Major requirements for a Bachelor of Arts:

1. 24 semester hours in required Communication Arts courses:

COMM	1301	Introduction to Mass Communication
COMM	1305	Computer Literacy for Communication Arts
COMM	2315	Writing for the Media
COMM	3310	Theories of Communication
COMM	4315	Media Ethics
COMM	4328	Internship
COMM	4332	Law and the Media
COMM	4390	Senior Portfolio

2. 21 semester hours in one of the following concentrations: (A, B, C, D):

A. New Media, Technology and Production Concentration

15 semester hours chosen from the following:

COMM	2320	Audio Production I
COMM	2360	Video Production I (Field)
COMM	3340	Computer Graphics and Visual Communications
COMM	3360	Video Production II (Studio)
COMM	4358	Producing/Directing Seminar

6 semester hours chosen from the following:

COMM	2357	Photography I
COMM	3320	Aesthetics of Vision and Sound
COMM	3325	Writing the Script
COMM	3358	Digital Photography
COMM	3365	Multimedia Design and Production
COMM	3380	Announcing/Performance
COMM	3390	Radio Practicum
COMM	4351	Advanced Digital Editing and Production
COMM	4305	Communications, Technology and Society
COMM	4322	Seminar in Selected Film Topics
COMM	4340	Design, Layout & Print Production
COMM	4347	Electronic Publishing & Web Design

#### B. Journalism Concentration

15 semester hours from the following:

COMM	2354	Journalism I
COMM	3354	Journalism II
COMM	3355	Publications Practicum
COMM	4347	Electronic Publishing and Web Design
COMM	4349	Digital and Electronic Writing

6 semester hours chosen from the following:

COMM	3317	Diversity in the Media
COMM	3358	Digital Photography
COMM	3330	The Impact of Media on Society
COMM	3340	Computer Graphics and Visual Communications
COMM	3353	Broadcast Journalism
COMM	3355	Publications Practicum
COMM	4375	Public Relations
COMM	4320	Issues and Trends in Bilingual Communications
COMM	4335	News and Feature Editing
COMM	4340	Design, Layout & Print Production
COMM	4348	Journalism History
COMM	4350	Photojournalism
COMM	4355	Magazine Article Writing
COMM	3370	Organizational Communications and Leadership

C. Media Studies Concentration: This program may be taken as an accelerated Bachelor's to Master's degree for qualified students. Students apply to graduate program in the beginning of their junior year.

15 semester hours from the following:

COMM	3330	The Impact of Media on Society
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COMM	3340	Computer Graphics and Visual Communications
COMM	4305	Communications Technology and Society
COMM	4310	Communication Research
COMM	4325	Global Media Studies

6 semester hours in one of the following:

COMM	2354	Journalism I
COMM	3317	Diversity in the Media
COMM	3320	Aesthetics of Vision and Sound
COMM	3325	Writing the Script
COMM	3353	Broadcast Journalism
COMM	3370	Organizational Communications and Leadership
COMM	4320	Issues and Trends in Bilingual Communications
COMM	4322	Seminar in Selected Film Topics
COMM	4348	Journalism History
COMM	4375	Public Relations

#### D. Speech Communications Concentration

15 semester hours from the following:

SPCH	2321	Voice and Diction
SPCH	3371	Persuasion
SPCH	3391	Nonverbal Communication
COMM	4340	Design, Layout & Print Production
SPCH	4371	Interpersonal Communication

6 semester hours from the following:

SPCH	2341	Business and Professional Speech
SPCH	3321	Oral Interpretation of Literature
SPCH	4395	Practicum in Speech Communication
COMM	3320	Aesthetics of Vision and Sound
COMM	3330	The Impact of Media on Society
COMM	4375	Public Relations
COMM	4320	Issues and Trends in Bilingual Communications
COMM	4399	Selected Topics
COMM	3370	Organizational Communications and Leadership

3. 6 additional semester hours in upper-division Communication Arts
4. SPCH 1311, Public Speaking
5. 9 semester hours of English as follows (6 semester hours must be upper division):
  - ENGL 2365 Professional and Technical Communication
  - 6 semester hours upper division English (ENGL 3375 Creative Writing, is recommended but not required)
6. 6 semester hours of electives from any discipline, including Communication Arts. - [Note: courses taken for the CORE requirement do not satisfy this requirement.]

Requirements for a concentration in Bilingual Communication Arts:

*This is a new concentration, which allows students to study Communication Arts and develop a fluency in Spanish to prepare them for working in a bilingual and bicultural work environment.* This program may be taken as an accelerated Bachelor's to Master's degree for qualified students. Students apply to graduate program in the beginning of their junior year.

All requirements from 1, 3, 4 and 5 from above.

Spanish Language requirement (15 semester hours beyond SPAN 1311 & 1312, which count for the Core requirements for Foreign Language):

SPAN	2311	Intermediate Spanish I
SPAN	2312	Intermediate Spanish II
SPAN	3301	Advanced Grammar and Composition
SPAN	3312	Culture and Civilization of South America
SPAN	3334	Spanish and the Media

Business requirement (6 semester hours):

BMKT	3331	Principles of Marketing
BMKT	3333	Fundamentals of Advertising

Bilingual concentration requirement (27 semester hours from the following):

COMM	2354	Journalism I
COMM	2320	Audio Production I
COMM	2360	Video Production I or
COMM	3360	Video Production II
COMM	3317	Diversity in the Media
COMM	3354	Journalism II
COMM	3355	Publications Practicum or
COMM	3390	Radio Practicum
COMM	3380	Announcing and Performance or
COMM	3353	Broadcast Journalism
COMM	4320	Issues and Trends in Bilingual Communications
COMM	3340	Computer Graphics and Visual Communications or
COMM	4340	Design, Layout and Print Production or
COMM	4347	Electronic Publishing and Web Design

Requirements for a Minor in Communication Arts:

COMM 1301 Introduction to Mass Communication

9 additional hours in COMM, 6 of which must be upper division.

**COMPUTER GRAPHIC ARTS (CART)**

[Course Descriptions, page 279]

**Bachelor of Fine Arts in Computer Graphic Arts**

The Computer Graphic Arts program prepares students to pursue careers in the field of computer-generated imagery including web design, multimedia production, print design and publication, and 3D animation. Graduates find

work as web designers, graphic designers, multimedia specialist, 3D animators, and game creators. In addition to layout, illustration, and cinematic skills, students learn professional production values and practices.

The goal of the CGA@UIW program is to prepare students for a demanding and competitive profession. Dedication to this goal means that the program must be selective in quantity in order to offer students the best quality experience we can. A student's success in their concentration depends on a solid foundation in visual design, communication concepts, problem solving ability, and software skills. Since the experiences and backgrounds of entering students vary widely, some students need additional time at the foundation level before they are ready for their concentration courses. Because the Computer Graphic Arts program requires a specific set of skills, all students planning on entering either the Web/Print or 3D Animation concentrations in the Computer Graphic Arts Program must submit a portfolio for review. Passing this review is required for admittance to the Computer Graphic Arts major and before concentration classes may be attempted.

Portfolios will be reviewed at the end of the Foundations (first) year. Transfer students who wish to start in the track classes must submit a portfolio at the scheduled portfolio review time the SPRING semester before they plan to attend.

Since the number of applicants and their desired concentration will vary each year, passing grades in Foundations year classes will not guarantee admission to the major.

Students who do not pass the portfolio review may resubmit a portfolio the following year. Student's who plan on resubmitting a portfolio for review should retake some or all of the CART foundation courses to enhance their portfolio.

Please note that acceptance to the University does not guarantee admission to the Computer Graphic Arts major.

It is University policy that students must pass courses in their major with a minimum grade of a C. Students who make a D or less must re-take their major courses. In the Computer Graphic Arts (CART) program, students may attempt each CART course twice.

If, in two tries, the highest earned grade is less than a C, the student must have the permission of the CART faculty to continue as a major and attempt the course for a third time.

If, after faculty approval, the third attempt at the course is earns a grade less than C, the student must change majors.

**Requirements for a Major in Computer Graphic Arts:**

ARTS	1301	Drawing I
ARTS	2357	Photography I
CART	1100	Orientation to CART
CART	1301	Introduction to Computer Graphics
CART	1302	Digital Imaging

SCHOOL OF INTERACTIVE MEDIA AND DESIGN

CART	1380	Foundations of Digital Design (Graphic Design track)
CART	1390	Typography (Graphic Design track)
CART	2301	3D Animation I: Modeling (3D Animation track)
CART	3321	History of Animation (3D Animation track)
Advanced Requirements for a Major in Computer Graphic Arts:		
CART	4100	Commercial Arts Seminar (Must be taken 6 times for 3D Animation; Must be taken 5 times for Graphic Design)
CART	4301	Advanced Projects Practicum
CART	4302	Cooperative Education Internship or repeat Advanced Projects Practicum
CART	4303	Senior Portfolio
CART	4325	Business of Design
PHIL	3375	Aesthetics: Philosophy of Art and Beauty or other upper level PHIL course
ARTH	2361	Art History: Ancient through Medieval
ARTH	2362	Art History: Renaissance through Modern
ARTH	3360	Survey in Contemporary Art or other upper level ARTH course or INTD 3362/3363, History of Architecture and Furniture

And one of the following two areas of concentration. Note, students must pass Portfolio Review and be accepted to the major before enrolling in these courses:

**3D Animation Emphasis**

THAR	2330	Performance for Animators
CART	2311	3D Animation II: Animation
CART	3301	3D Animation III: Narrative Animation
CART	3311	3D Animation IV: Character Animation
CART	3315	Visual Narrative Conventions
CART	3321	History of Animation
CART	3307	Online Technologies, Simulations, and Games I
CART	4307	Online Technologies, Simulations, and Games II
CART	4311	3D Animation V: Production
CART	4370	3D Animation VI: Team Production
ARTS	3331	Ceramic Sculpture

**Graphic Design Emphasis**

CART	1310	Visual Language
CART	2300	Web Design I: Introduction to Web Design
CART	2304	Concepting
CART	2310	Print Design I: Introduction to Print Design
CART	3300	Web Design II: Advanced Web Design
CART	3310	Print Design II: Visual Systems
CART	4300	Web Design III: Advanced Multimedia and Database Integration
CART	4310	Print III: Information Design
CART	4330	History of Communication Design
CART	4390	World Graphics Study Away or repeat Special Topics

CART	4399	Special Topics
CART	4315	Typography Bridge
BMKT	3331	Principles of Marketing
BMKT	3333	Fundamentals of Advertising

## COMPUTER INFORMATION SYSTEMS (CIS)

[Course Descriptions, page 283]

### Bachelor of Science in Computer Information Systems (CIS).

As a graduate of the CIS program, you will be a valuable and integral member of a variety of organizations from which you can choose because you will be able to plan, design, build, and explain the operations of computer systems and networks. You will be able to install, configure, program, protect, and administer systems and applications which will aid organizations in making decisions and in performing their missions more effectively and efficiently. In addition to gaining this wide range of knowledge and skills, you will also have gained experience in the soft skills that organizations require for success today, such as team-working, decision making, visual modeling, project management, non-technical communications, and understanding business processes.

A Minor in Computer Information Systems is available for students who wish to enhance their chosen field of study, since computer information systems and concepts are employed in nearly all organizations today.

### Requirements for the Computer Information Systems Major

The CIS Major consists of 58 credit hours, which include the following required courses, your choice of two of four CIS concentrations, plus four supporting courses that provide you with an understanding of the environment in which computer information systems are implemented in business.

CIS+	1301	Computer Information Systems
CIS*	2325	Personal Productivity Applications
CIS	2328	Hardware and Systems Software
CIS*	2330	Programming Languages I
CIS	2335	Network +
CIS	2340	Windows Operating Systems
CIS	2350	UNIX/Linux Operating Systems
CIS*	3362	Systems Analysis and Design
CIS*	3367	Networks and Telecommunications
CIS	3368	Website Design and Development
CIS	4190	Seminar in Computer Information Systems

- CIS 4310 Management of Technology
- CIS 4340 Computer Systems Security
- + In place of COMP 1301 Computer Literacy with Business Applications
- \* Identical to BINF designations for the same courses.

CIS concentrations (select two of the four):

Website and Database Development

- CIS 3310 Database Management Systems
- CIS 4368 Website Programming and Databases

Computer Programming

- CIS 3330 Programming Languages II
- CIS 4330 Object Oriented Programming

Network Security

- CIS 3340 Client-Server Networking
- CIS 4370 Computer Network Security

Communications Technologies

- CIS 3380 Emerging Web Technologies
- CIS 4380 Virtual Environments

CIS Electives:

- CIS 3319 Internship in Computer Information Systems
- CIS 3360 Computer Science
- CIS 4399 Special Topics in Computer Information Systems

Supporting Courses:

- BINF 2321 Introduction to Information Systems
- ECON 2302 Principles of Microeconomics
- ACCT 2301 Accounting for Non-Majors

Requirements for a Minor in Computer Information Systems

The CIS Minor consists of 15 credits, 6 of which must be advanced, of study designed to give a broad base of understanding in computer hardware, networks, operating systems, and software applications.

Required Courses:

- CIS\* 2325 Personal Productivity Application
- CIS 2328 Hardware and System Software
- CIS 2340 or Windows Operating Systems or
- CIS 2350 Linux Operating Systems

Plus any one of the following:

- CIS\* 2330 Programming Languages I
- CIS 2335 Network +
- CIS\* 3310 Database Management Systems
- CIS 3340 Client-Server Networking

SCHOOL OF INTERACTIVE MEDIA AND DESIGN

CIS 3368 Website Design and Development  
CIS 3380 Emerging Web Technologies

\* May take BINF designations for the identical course.

## JUREN SULLIVAN CENTER FOR FASHION MANAGEMENT

### FASHION MANAGEMENT (FMGT)

The Fashion Management program is a unique blend of two disciplines, fashion design and fashion merchandising. All fashion management students take 40 hours of select core courses within fashion and business and 27-30 hours of required courses within the select concentration of either fashion design or merchandising.

#### FASHION MANAGEMENT CONCENTRATIONS OFFERED:

##### MERCHANDISING CONCENTRATION

Merchandising students prepare for careers in the wholesale, retail or support segments of the fashion industry. This program provides the students with a basic background in fashion design and construction, as well as the skills required for a successful career in fashion retailing through courses in textiles, merchandising, buying, entrepreneurship, promotion, and select business administration courses.

##### DESIGN CONCENTRATION

Design students learn to create and develop apparel. Students will be taught the application of design elements and principles, selection and use of fabrics and textiles, and the construction techniques for transforming design concepts into garments in order to create a final marketable product.

#### GENERAL INFORMATION CONCERNING ADMITTANCE TO AND REMAINING IN THE FASHION MANAGEMENT PROGRAM:

Please note that acceptance to the University does not guarantee admission to the Fashion Design major. Because the design concentration requires a specific set of skills, all students planning to enter this concentration must pass two different skills assessment tests and two portfolio reviews. Passing the tests and the reviews is required before admittance into the upper level design courses is attempted. The purpose of the skills assessment and the portfolio review process is to ensure that the most qualified students, evidenced by adequate skill and knowledge levels, will advance in the program.

The first skills assessment and portfolio review will occur in the middle of the sophomore year or after three full semesters. The second skills assessment and portfolio review will occur at the end of the junior year prior to enrolling in the Senior Collection course offered the following fall. Students must keep in mind that passing grades of a C will not guarantee passing either of the skills assessments or the portfolio reviews.

Transfer students must take the skills assessment and submit a portfolio at the scheduled portfolio review time in the SPRING semester before they plan to attend. In addition, they will not be allowed to take the upper level design courses until the test and review have been successfully completed. Students should consider transferring into the program prior to meeting all general core requirements or course options will be limited. The completion of the Fashion



Design major course requirements alone require a minimum of six semesters due to strict sequencing, regardless of other credit hours accumulated.

Students who do not pass the skills assessment tests and portfolio reviews may retake the test and resubmit the portfolio the following year. Student's who plan on retesting and resubmitting should retake some or all of the design foundation courses to enhance their skills.

It is University policy that students must pass courses in their major with a minimum grade of a C. Students who make a D or less must re-take their major courses. In the Fashion Management program, students may attempt each FMGT, FADS or FMER course twice. If, after two tries, the highest earned grade is less than a C, the student must obtain the permission of the FMGT faculty to continue as a fashion major and attempt the course for a third time. If, after faculty approval, the third attempt at the course is a grade lower than a C, the student must change majors.

#### MAJOR REQUIREMENTS FOR A BACHELOR OF ARTS:

Students must complete the Fashion Management Core (40 hours) and one of two concentrations (27-30 hours) for a total of 67-70 hours in the major.

Fashion Management Core: 40 semester hours (18 advanced hours)

A. Required courses: \*Indicates a studio class which meets 5.5 hours per week.

FMGT	1111	Seminar in Fashion Management
FMGT	1305	Introduction to Fashion Management
FMGT	1307	Cultural Perspectives of Dress
FMGT	1310	Apparel Construction I *
ACCT	2301	Accounting for Non-Business Majors
FMGT	2350	Promotional Strategies in Fashion
FMGT	2341	Textiles
FMGT	3340	Textile Product Analysis
FMGT	3327	Fashion History
FMGT	3383	Buying I
BMKT	3331	Principles of Marketing
FMGT	4331	Fashion Show Production
FMGT	4382	Portfolio
FMGT	4350	Global Fashion Economics

\*Indicates a studio class which meets 5.5 hours per week.

Fashion Design Concentration: 30 Semester hours

B. Required courses: \*Indicates a studio class which meets 5.5 hours per week.

FADS	1320	Apparel Construction II *
FADS	2331	Flat Pattern *
FADS	3325	Draping *
FADS	3330	Advanced Design *
FADS	3333	Fashion Illustration *

SCHOOL OF INTERACTIVE MEDIA AND DESIGN

FADS	4332	Patternmaking Methods *
FADS	4325	Tailoring *
FADS	4340	Computer Illustration *
FADS	4350	Senior Collection I *
FADS	4360	Senior Collection II *

Fashion Merchandising Concentration: 27 Semester hours

BLAW	3317	Business Law I
BMKT	3333	Advertising
BMKT	3334	Service Marketing Or
BMKT	3377	Consumer Behavior
BMGT	3340	Management Theory and Practice
BMKT	3340	Retailing
BMGT	3354	Human Resource Management
FMER	4388	Internship: Merchandising
FMER	4350	Fashion Entrepreneurship
FMER	4395	Buying II (Capstone)

MINORS WITHIN THE FASHION MANAGEMENT PROGRAM:

Fashion Management Minor

(19 semester hours, at least 6 credit hours must be upper division courses)

FMGT	1111	Seminar in Fashion Management
FMGT	1305	Introduction to Fashion Management
FMGT	3383	Buying I
BMKT	3331	Principles of Marketing
BMGT	3340	Management Theory and Practice
BMKT	3340	Retailing
FMGT	4350	Global Fashion Economics
BMGT	3354	Human Resource Management

Fashion Merchandising Minor

(19 semester hours, at least 6 credit hours must be upper division courses)

All students must take the following 13 credit hours:

FMGT	1111	Seminar in Fashion Management
FMGT	1305	Introduction to Fashion Management
FMGT	1307	Cultural Perspectives of Dress
FMGT	2341	Textiles
FMGT	2350	Promotional Strategies in Fashion

Students will select 6 credit hours from the following:

FMGT	3383	Buying I
BMKT	3331	Principles of Marketing
BMKT	3340	Retailing
FMGT	4350	Global Fashion Economics

Fashion Design Minor

(19 hours, at least 6 credit hours must be upper division courses)

FMGT	1111	Seminar in Fashion Management
FMGT	1305	Introduction to Fashion Management
FMGT	2341	Textiles
FMGT	1310	Apparel I*
FADS	1320	Apparel II*
FADS	2331	Flat Pattern* or
FADS	3333	Fashion Illustration*
FMGT	3327	Fashion History or
FMGT	3340	Textile Product Analysis

Textile Minor (19 hours, 6 credit hours are upper division courses)

FMGT	1111	Seminar in Fashion Management
FMGT	1305	Introduction to Fashion Management
FADS	1320	Apparel II*
FMGT	2341	Textiles
FMGT	3340	Textile Product Analysis
FADS	4324	Surface Design*
FMGT	4350	Global Fashion Economics

ASSOCIATE OF ARTS: FASHION MANAGEMENT

This program is intended for students who are not planning to complete the four year Bachelor of Arts degree, but are interested in entering the field of fashion management. Students must complete 34 core curriculum hours as defined by the University and the required community service hours. In addition, students must satisfy the course requirements within the concentration.

ASSOCIATE OF ARTS: FASHION DESIGN CONCENTRATION (31 Hours)

Required Courses

FMGT	1111	Seminar in Fashion Management
FMGT	1305	Introduction to Fashion Management
FMGT	1307	Cultural Perspectives of Dress
FMGT	2341	Textiles
FMGT	1310	Apparel I *
FADS	1320	Apparel II*
FADS	3333	Fashion Illustration*
FMGT	3327	Fashion History
ARTS	1311	Design I
FADS	2331	Flat Pattern *
FMGT	3340	Textile Product Analysis

ASSOCIATE OF ARTS: FASHION MERCHANDISING  
CONCENTRATION (31Hours)

A. Required courses

FMGT	1111	Seminar in Fashion Management
FMGT	1305	Introduction to Fashion Management
FMGT	1307	Cultural Perspectives of Dress
FMGT	2341	Textiles
FMGT	2350	Promotional Strategies in Fashion
ACCT	2301	Accounting for Non-Business Majors
FMGT	3327	Fashion History
FMGT	3383	Buying I
BMKT	3331	Principles of Marketing

B. Six hours from the following:

BLAW	3317	Business Law I
BMKT	3333	Fundamentals of Advertising
BMKT	3334	Service Marketing
BMGT	3340	Management Theory and Practice
BMKT	3340	Retailing
BMGT	3354	Human Resource Management

INTERIOR ENVIRONMENTAL DESIGN (INTD)

[Course Descriptions, page 314]

This program is designed to provide students with the skills and tools necessary for a career in the field of interior design, either as an employee of a design firm or as a self-employed designer. Students will study architectural skills and will learn how to relate structure to substance to make the living or working environment both more aesthetically pleasing and user-friendly.

Major Requirements for a Bachelor of Arts:

1. 73 semester hours in Interior Design:

INTD	1355	Architectural Design I
INTD	1358	Introduction to Architectural Drawing and Illustration
INTD	1361	Architectural Drawing I
INTD	1362	Architectural Drawing II
INTD	2320	Construction, Architectural Components, Systems and Codes
INTD	2363	Architectural Graphics
INTD	2364	Color Theory
INTD	2300	Basic Interior Design
INTD	2370	Lighting and Design
INTD	2375	Space Planning
INTD	3311	Business Interiors
INTD	3350	Interior Materials
INTD	3362	History of Architecture and Furniture I
INTD	3363	History of Architecture and Furniture II

INTD	3367	Interior Design I
INTD	3370	Interior Design II
INTD	3472	Computer Aided Drafting and Design
INTD	3375	Interior Design III
INTD	4320	Architectural Design II
INTD	4350	Project Management
INTD	4361	Work Experience in Interior Design
INTD	4363	Environmental Controls
INTD	4375	Interior Design IV
INTD	4395	Professional Practice and Portfolio

2. 6 semester hours in Art:

ARTH 2361 Art History: Ancient Through Medieval

ARTH 2362 Art History: Renaissance to Modern

3. 3 semester hours in BMGT/BINF 4370, *Project Management*

## SPEECH COMMUNICATION (SPCH)

[Course Descriptions, page 370]

Courses in Speech serve to meet important objectives for a liberal arts curriculum: to develop critical thinking, to enhance aesthetic sensitivity, to communicate with clarity, precision, and conviction. Communication Arts offers a fourth track specialization in Speech Communication.

### Requirements for a Minor in Speech

SPCH 2321, 3371, 3391, 4371, and any other course in the department.

Note: SPCH 1311 Public Speaking is not a prerequisite for SPCH 2321 but is a prerequisite for the other requirements of the Minor.

## *School of Mathematics, Science and Engineering*

### Mathematics, Science and Engineering Programs Offered

#### **BIOLOGY (BIOL)**

[Course Descriptions, page 253]

The common core of Biology courses and support work will serve all career paths. Requirements for the three proposed degree options will provide students with preparation necessary for their chosen career path. These degree options are:

1. Option 1 - B.S. in Biology: Preparation for Health Professions, Research, and Graduate Programs in Biology;
2. Option 2 - B.S. in Biology with Education Minor: Preparation for certification in secondary Life Science teaching
3. Option 3 - B.S. in Biology with Environmental Science Minor: Preparation for careers in resource management and environmental stewardship

All students in Biology will complete 23 semester hours of core requirements in Biology and 11 semester hours support course work in Chemistry and Math.

Students need to pay special attention to the 42 upper-division semester hour requirements for graduation. For all degree options, the required 23 semester hours of required Biology course work and 11 semester hours of support course work contain a minimum of 15 upper-division credits. Therefore, majors must take upper-division semester hours of core and/or option-related electives to complete the graduation requirement of 42 upper-division semester hours.

#### **Major Requirements for a Bachelor of Science:**

##### **1. Biology Core (23 Hours):**

BIOL	1401	Diversity of Life and Lab
BIOL	1402	Unity of Life and Lab
BIOL	3411	Cell Biology and Lab
BIOL	3442	Ecology and Lab
BIOL	3461	Genetics and Lab
BIOL	4351 or 3XXX or 4XXX	Biochemistry I Research in Biology

##### **2. 8 semester hours support course work in chemistry:**

CHEM	1301/1101	Chemistry Principles I and Lab
CHEM	1302/1102	Chemistry Principles II and Lab

##### **3. 3 semester hours of support course work in Mathematics:**

MATH	2312	Calculus I or
MATH	2303	Introduction to Probability and Statistics

4. Completion of course work specified in one of the following degree options:  
Option 1 - Health Professions and Research  
Option 2 - Secondary Teaching with a minor in Education  
Option 3 - Environmental Science with a minor in Environmental Science

#### Degree Option in Biology 1 - Preparation for Health Professions, Research, and Graduate Programs in Biology

1. 23 semester hours of required Biology course work and 11 semester hours of support course work and all of the following:
  - A. BIOL 2321/2121 (Anatomy and Physiology I with Lab) and either BIOL 2322/2122 (Anatomy and Physiology II with Lab) or BIOL 3430 (Structure and Function of Animals) and
  - B. 12 Credit Hours of Biology Electives for a total of 39 credit hours in Biology
2. 8 semester hours support work in Chemistry
  - CHEM 2311/2111 Organic Chemistry I and Lab
  - CHEM 2312/2112 Organic Chemistry II and Lab
3. 8 semester hours support work in Physics
  - PHYS 1301/1101 and 1302/1102 General Physics I and II and Labs  
or
  - PHYS 2305/2105 and 2306/2106 Physics I and II and Lab

#### Degree Option in Biology 2 - Secondary Teacher Certification in Life Science with a Minor in Education

1. 23 semester hours of required Biology course work and 11 semester hours of support courses and all of the following:
  - A. BIOL 2321/2121 (Anatomy and Physiology I with Lab) and BIOL 2322/2122 (Anatomy and Physiology II with Lab) or BIOL 3430 (Structure and Function of Animals) and
  - B. 6 upper division semester hours of Biology electives for a minimum total of 33 credit hours in Biology
2. 8 additional semester hours of Chemistry, Physics, or Geology
3. Required 27 credit-hour Minor in Education (includes teacher apprenticeship)

#### Degree Option in Biology 3 - Environmental Science

1. Required Course Work in Biology: 14-16 additional semester hours in Biology (BIOL 4482 recommended)
2. Required support course work in Physical Science: 8 additional semester hours

of Chemistry, Physics, or Geology

### 3. Required 18 credit-hour Minor in Environmental Science:

Biology majors must complete 18 hours in the following Environmental Science courses: ENSC 1410, 3410, 4415, and METR 1325, 3340. Optional courses that can substitute for one of the upper-level courses: ENSC 4460, 4499. Contact Department Chair in Biology or Environmental Science for further information on this minor.

18 semester hours of Environmental Science course work \*\*:

ENSC	1410	Environmental Science and Laboratory
ENSC	3410	Soil Conservation and Laboratory
ENSC	4415	Geographic Information Systems in Biology
METR	1325	Natural Hazards
METR	3340	Hydrology

\*\*Completion of the Environmental course requirements will earn the student a minor in Environmental Science.

Optional courses that can substitute for one of the upper-level courses:

ENSC	4460	Research in Water Quality
ENSC	4499	Independent Study in Environmental Science

### Requirements for a Minor in Biology:

17 semester hours: BIOL 1401, BIOL 1402 and 9 additional upper-division hours in Biology.

### The Accelerated Bachelor of Science and Master of Arts Program

The Master of Arts in Biology program is a thirty credit hour graduate degree in a combined five-year program. Students with a 3.0 GPA in undergraduate science courses, junior standing and permission of their academic advisor may apply for admission to the Master of Arts in Biology program by January 30 of their junior year. Acceptance notification will be by April 30. Applicants accepted into the program earn up to twelve hours of graduate work during the senior year. Nine of those grade hours will also count toward the undergraduate degree. In order to successfully complete the program in five years, students should enroll for an average of 16 semester hours of course work each term, and complete six hours of course work during summer sessions. This Master of Arts degree is also open to those who already have their bachelor's degree. See the graduate bulletin for more information.

1. Students will apply by January 30 of their Junior year. Students must meet the requirements for admission to the biology graduate program. Acceptance notification will be by April 15.
2. Complete the undergraduate program for a total of 128 hours. Up to 9 hours of graduate credit may be double counted for undergraduate and graduate requirements.



3. Students will complete 30 graduate hours required for MA in Biology. Nine of these hours can and should be counted toward the undergraduate degree.
4. Senior year will include 12 graduate hours.
5. Students should complete 6 hours during summers of the undergraduate program.
6. Fifth year - Fall 9 graduate hours; Spring 9 graduate hours and comprehensive exam.

## CHEMISTRY (CHEM)

[Course Descriptions, page 269]

Chemistry is the science that deals with the properties, composition and structure of matter, changes that occur in matter, and energy relationships involved in those changes. The chemistry program at the University is designed to give the undergraduate student a sound background in chemistry as a whole, thereby providing preparation for employment or further study in any of the large number of specialized areas that may be entered after graduation, including graduate school, medical school, dental school, and pharmacy school. Faculty are involved in five areas of chemical education and research: analytical, biochemical, inorganic, organic, and physical chemistry. The chemistry department now offers three degree plans: a Bachelor of Science in Chemistry, and Bachelor of Science in Biochemistry, and a Bachelor of Arts in Chemistry.

Explanation of laboratories: some laboratory courses are considered as separate courses and separate grades are given for the laboratories and corresponding lectures. These generally have separate course numbers; for example: CHEM 1301 and CHEM 1101. For these pairs of courses, enrollment in a laboratory course requires concurrent enrollment in the corresponding lecture course or completion of that course in a previous semester. Other laboratory courses are considered as part of the lecture course, even though they meet at separate times and may have different instructors. These are generally designated with an 'L' following the lecture course number; for example: CHEM 3421 and CHEM 3421L. Concurrent enrollment in both the lecture and the laboratory is required for completion of the course, and one grade is assigned for the combination.

### Major Requirements for a Bachelor of Science in Chemistry:

Students contemplating a Bachelor of Science in Chemistry or Biochemistry should begin the introductory and organic chemistry sequence (CHEM 1301, 1302, 2311, and 2312) the fall semester of their freshman year or as soon as they satisfy the math pre-requisite. MATH 2312 and 2313 should be completed by the end of the sophomore year if possible.

1. 59-60 semester hours distributed as follows:

#### I. Support courses:

MATH	2312	Calculus I
MATH	2313	Calculus II
PHYS	2305/2105	Physics I and Lab

PHYS 2306/2106 Physics II and Lab

II. Introductory Chemistry courses:

CHEM 1301/1101 Chemistry Principles I and Lab  
CHEM 1302/1102 Chemistry Principles II and Lab

III. Foundation Chemistry Courses:

CHEM 2311/2111 Organic Chemistry I and Lab  
CHEM 3421/3421L Quantitative Analysis and Lab  
CHEM 3441/3441L Inorganic Chemistry and Lab  
CHEM 4351/4151 Biochemistry I and Lab  
CHEM 4431/4431L Physical Chemistry I and Lab

IV. In-Depth Courses:

CHEM 2312/2112 Organic Chemistry II and Lab  
CHEM 4422/4422L Instrumental Analysis and Lab  
CHEM 4432/4432L Physical Chemistry II and Lab  
CHEM 4260 Chemistry Research\*

\*Two semesters of CHEM 4160 may be substituted for CHEM 4260

V. Chemistry Elective:

One 3 or 4 hour chemistry course selected from any upper-division chemistry offering not listed above.

Recommended Electives: These courses are highly recommended for chemistry majors but are not required.

MATH 2303 Introduction to Probability and Statistics  
CHEM 4352 Biochemistry II

Major Requirements for a Bachelor of Science in Biochemistry:

Students contemplating a Bachelor of Science in Chemistry or Biochemistry should begin the introductory and organic chemistry sequence (CHEM 1301, 1302, 2311, and 2312) the fall semester of their freshman year or as soon as they satisfy the math pre-requisite. MATH 2312 and 2313 should be completed by the end of the sophomore year if possible.

1. 62-63 semester hours distributed as follows:

I. Support courses:

BIOL 1402 Unity of Life  
MATH 2312 Calculus I  
MATH 2313 Calculus II  
PHYS 2305/2105 Physics I and Lab  
PHYS 2306/2106 Physics II and Lab

II. Introductory Chemistry courses:

CHEM 1301/1101 Chemistry Principles I and Lab  
CHEM 1302/1102 Chemistry Principles II and Lab

III. Foundation Chemistry Courses:

CHEM 2311/2111 Organic Chemistry I and Lab  
CHEM 3421/3421L Quantitative Analysis and Lab  
CHEM 4351/4151 Biochemistry I and Lab

CHEM 4431/4431L Physical Chemistry I and Lab

IV. In-Depth Courses:

CHEM 2312/2112 Organic Chemistry II and Lab

CHEM 4352/ Biochemistry II

CHEM 4260 Chemistry Research\*

\*Two semesters of CHEM 4160 may be substituted for CHEM 4260

V. Chemistry/Biology Elective: ONE of the following

CHEM 3441/3441L Inorganic Chemistry and Lab

CHEM 4432/4432L Physical Chemistry II and Lab

BIOL ADV Any 3000 level or higher biology course not already required

VI. Biology Courses: TWO of the following

BIOL 3411/3411L Cell Biology and Lab

BIOL 3461 Genetics and Lab

BIOL 3471/3471L Microbiology and Lab

Major Requirements for a Bachelor of Arts in Chemistry:

1. 46 semester hours distributed as follows:

I. Support courses:

MATH 2312 Calculus I

MATH 2313 Calculus II

PHYS 2305/2105 Physics I and Lab

PHYS 2306/2106 Physics II and Lab

II. Introductory Chemistry courses:

CHEM 1301/1101 Chemistry Principles I and Lab

CHEM 1302/1102 Chemistry Principles II and Lab

III. Foundation Chemistry Courses:

CHEM 2311/2111 Organic Chemistry I and Lab

CHEM 2312/2112 Organic Chemistry II and Lab

CHEM 3421/3421L Quantitative Analysis and Lab

CHEM 4431/4431L Physical Chemistry I and Lab

IV. Chemistry Electives (8 credit hours selected from):

CHEM 3441/3441L Inorganic Chemistry and Lab (3441L)

CHEM 4351/4151 Biochemistry I and Lab (4351L)

CHEM 4352 Biochemistry II

CHEM 4422 Instrumental Analysis and Lab (4422L)

CHEM 4160 or  
4260 Chemistry Research

Any upper-division chemistry course not listed above, including Teacher Quality courses.

V. A minor in any field is required for a Bachelor of Arts in Chemistry.

**Requirements for a Minor in Chemistry:**

18 semester hours, 10 of which must be taken at the upper-division level.

**APPLIED CHEMISTRY**

Applied Chemistry is the hands-on study of molecules, structure and reactivity. Students in the Associate of Arts in Applied Chemistry will be able to demonstrate an understanding of the basic concepts of chemistry and the ability to apply those concepts in real-world situations. Graduates will be prepared for careers as chemical technicians in today's advanced job market.

**Major requirements for an Associate of Arts:**

1. 37 semester hours distributed as follows:

ENGL	1311	English Composition I
ENGL	1312	English Composition II

Literature course

Fine Arts course

PHIL	1381	Introduction to Philosophy
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Religious Studies or Philosophy course

COMP	1301	Computer Literacy (course or test)
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History course

Social Science course

CHEM	1301/1101	Chemical Principles I and Lab
MATH	1304	College Algebra
DWHP	1200	Dimensions of Wellness

Physical Education course

2. Required Chemistry Courses (24 hours):

CHEM	1302/1102	Chemical Principles II and Lab
CHEM	2311/2111	Organic Chemistry I and Lab
CHEM	2312/2112	Organic Chemistry II and Lab
CHEM	2420	Introduction to Analytical Chemistry and Lab
CHEM	2430	Applied Chemical Research I
CHEM	2431	Applied Chemical Research II

3. Non-chemistry Courses (6 hours)

MATH	2303	Introduction to Probability and Statistics
SPCH	1311	Public Speaking

**ENGINEERING (ENGR)**

The University offers a Bachelor of Science degree in Engineering Management. This curriculum combines a strong core of Mathematics, Science, and Engineering courses with an intensive study in Business Administration. Modern engineering requires an understanding of social issues and economics as well as a thorough knowledge of science and technology. A student who graduates with a BS degree with a major in Engineering Management will bring a unique blend of technology and real world business skills to any future career.

Graduates will be prepared to begin a career as a manager in nearly any engineering firm nationwide.

### Major Requirements for a Bachelor of Science in Engineering Management

#### 1. Engineering and Engineering support courses (36 hours):

ENGR	1201	Introduction to Engineering
ENGR	1310	Engineering Graphics (CAD I)
ENGR	1312	Engineering Design (CAD II)
ENGR	3350	Statics and Dynamics
ENGR	3455	Mechanics of Materials and Lab
ENGR	3460	Electronic Circuits and Lab
ENGR	4375	Thermodynamics
ENGR	4470	Fluid Mechanics and Lab
ENGR	4490	Senior Project
ENGR	4399	Special Topics in Engineering
CIS course 3000 level or above, approved by advisor.		
Upper Level Elective, approved by advisor		

#### 2. Management courses:

ACCT	2311	Principles of Accounting
ECON	2301	Macroeconomics
ECON	2302	Microeconomics
BMGT	3340	Management Theory and Practice
BMGT	3354	Human Resources Management
BMDS	3370	Business Statistics
BMDS	3371	Management Science
BFIN	3321	Principles of Financial Management
BLAW	3317	Business Law

#### 3. Mathematics and Science courses:

CHEM	1301/1101	Chemical Principles I and Lab
CHEM	1302/1102	Chemical Principles II and Lab
PHYS	2305/2105	Physics I and Lab
PHYS	2306/2106	Physics II and Lab
MATH	2312	Calculus I
MATH	2313	Calculus II
MATH	2314	Differential Equations or MATH 3314 Calculus III
CIS	2325	Personal Productivity
CIS	2000 level or above	Approved by advisor

### Pre-Engineering Curriculum

The University offers a pre-engineering curriculum. This 2 or 3-year plan of study will have the student lay a groundwork of mathematics, science and computer courses which can then a) be transferred to a school that offers a four-year bachelor's degree in a branch of engineering, or b) be used as part of a degree plan at this University in an area such as Mathematics, Computer Science, Environmental Science, or Nutrition, or c) be the basis for the Bachelor of Science in Engineering Management (BSEM). Degrees at most four-year

universities have many courses in common for the first two years. In addition, nearly all degree programs at other schools have a core curriculum similar to UIW, requiring the student to take classes in other departments at the University.

Requirements for Pre-Engineering:

CHEM	1301/1101	Chemical Principles I and Lab
CHEM	1302/1102	Chemical Principles II and Lab
MATH	2312	Calculus I
MATH	2313	Calculus II
MATH	2314	Differential Equations
PHYS	2305/2105	Physics I and Lab
PHYS	2306/2106	Physics II and Lab
CIS	2325	Personal Productivity
CIS	2000 level or above	Approved by advisor
CIS	3000 level or above	Approved by advisor
ENGR	1201	Introduction to Engineering
ENGR	1310	Engineering Graphics (CAD I)
ENGR	1312	Engineering Design (CAD II)

## ENGINEERING PHYSICS MINOR

The minor in Engineering Physics gives Science as well as non-Science majors the opportunity to explore and apply scientific principles in technology and engineering, achieve proficiency in the applications of mathematics in engineering, formulate the design and development of engineering structures, and investigate the physical and engineering issues of air, water, and soil resources in our environment. A principal focus in this minor will be the integration of engineering, science, and mathematics in problem solving.

This minor will be of particular interest to Science majors such as Environmental Science, Chemistry, and Mathematics but the minor is open to anyone with an interest in Engineering Physics. All students though must fulfill the course prerequisites for the upper-level engineering courses due to the advanced nature of the mathematics, engineering, and science topics presented in these courses. The minor is not open to Engineering Management majors since the course work listed in the minor is already part of the required courses in their degree plan.

Requirements for a Minor in Engineering Physics:

18-19 hours, to include PHYS 2305, 2105, 2306, 2106, ENGR 3350, and any two out the following three: ENGR 3455, 4375, 4470, and 3460.

Students may substitute ENGR 4399 Special Topics in Engineering for one of the upper-level engineering course options only with permission from the Chair of the Engineering Department.

## ENVIRONMENTAL SCIENCE (ENSC)

Environmental Science is an interdisciplinary program designed to prepare students to enter a wide variety of professional careers as well as graduate

programs in pollution abatement, conservation, environmental assessment and education. Government, industry and private research groups all provide entry-level positions for environmental scientists. Faculty members are active in environmental research throughout Texas, Mexico, and Central America. The science faculty at University of the Incarnate Word offers unique opportunities for students to become involved in environmental research as undergraduates.

**Major requirements for a Bachelor of Science:**

77 semester hours in science as follows:

1. 20 semester hours in Biology:

BIOL	1401	Diversity of Life and Laboratory
BIOL	1402	Unity of Life and Laboratory
BIOL	3442	Ecology and Laboratory
BIOL	3471	General Microbiology and Laboratory
BIOL	4482	Aquatic Biology and Laboratory

2. 8 semester hours in Chemistry:

CHEM	1301/1101	Chemistry Principles I and Laboratory
CHEM	1302/1102	Chemistry Principles II and Laboratory

3. 15 semester hours in Environmental Science:

ENSC	1410	Environmental Science
ENSC	3410	Research in Soil Conservation
ENSC	4315	Environmental Science Research
ENSC	4460	Research in Water Quality

4. 8 semester hours in Geology:

GEOL	1401*	Physical Geology
GEOL	3450	Environmental Geology

\*or GEOL 1420 or METR 1430

5. 8 semester hours in Physics\*:

PHYS	2305/2105	Physics I and Laboratory
PHYS	2306/2106	Physics II and Laboratory

\*or PHYS 1301/1101 and PHYS 1302/1102 and take either MATH 2312 or MATH 2303

6. 3 semester hours in Mathematics:

MATH	2312	Calculus I
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7. 6 semester hours in Meteorology:

METR	4315	Air Pollution Meteorology
METR	3340	Hydrology

8. BIOL/CHEM/GEOL/METR Advanced Elective – 9 hours

9. Elective hours to total degree hours of 128

Contact Department Chair in Environmental Science for specific Core course requirements.

### Requirements for a Minor in Environmental Science

The Environmental Science minor is designed for all majors (except Environmental Science and Biology majors) who wish to explore and receive a comprehensive education in a natural science that covers topics and issues of local, national, and global importance on air, soil, and water resources. Students must complete 19-20 hours in the following courses: METR 1325, ENSC 1410, ENSC/BIOL 3410, GEOL 3450, ENSC/BIOL 4460. BIOL 1401 may substitute for ENSC 1410. The following courses can substitute for one of the above upper-division level courses: BIOL/ENSC 4415, METR 3340, METR 4315.

### Requirements for a Minor in Environmental Science for Biology Majors:

See Degree Option in Biology 3--Environmental Science listed under Biology (BIOL) program description.

### GEOLOGY (GEOL)

[Course Descriptions, page 308]

Geology is a science involving the study of the Earth's origin, evolution, and continued development through time. Knowledge of the Earth requires understanding the physical, chemical, and biological processes that shape the Earth's surface, and the physical and chemical processes that operate beneath the Earth's surface. The uniqueness of life on this planet is explored through the study of the origin and evolution of life on Earth.

### Requirements for a Minor in Geology:

20 hours, to include GEOL 1401, 1402, 3410, 3450 and 3460

### MATHEMATICS (MATH)

[Course Descriptions, page 319]

The mathematics program emphasizes concepts, procedures, and connections. All courses develop reasoning abilities along with skills in precise communication of concepts. Problem solving is addressed throughout the program. Mathematics majors are well prepared for jobs requiring expertise in quantitative analysis and problem solving, and for a wide variety of graduate and professional programs.

### Major Requirements for a Bachelor of Arts:

36 semester hours in Mathematics including:

MATH	2312	Calculus I
MATH	2313	Calculus II
MATH	2303	Introduction to Probability & Statistics
MATH	2322	Linear Algebra
MATH	3335	Geometry & Proof
MATH	3320	Foundations of Higher Mathematics



and 18 hours, 12 of which must be at the 3000 level or higher, of elective mathematics courses selected from the following:

MATH	2314	Differential Equation
MATH	3314	Calculus III
MATH	3325	Abstract Algebra and Number Theory
MATH	3340	History of Mathematics
MATH	3350	Introduction to Real Analysis
MATH	3355	Introduction to Numerical Analysis
MATH	3370	Mathematics Modeling
MATH	4431	Introduction to Probability Theory
MATH	4348	Introduction to Number Theory
MATH	4378	Statistics

Major Requirements for a Bachelor of Science:

36 semester hours in Mathematics including:

MATH	2312	Calculus I
MATH	2313	Calculus II
MATH	3314	Calculus III
MATH	3320	Foundations of Higher Mathematics
MATH	3325	Abstract Algebra and Number Theory
MATH	3350	Introduction to Real Analysis

and 18 hours, 12 of which must be at the 3000 level or higher, of elective mathematics courses (12 hours must be upper division) selected from the following:

MATH	2303	Introduction to Probability and Statistics
MATH	2314	Differential Equation
MATH	2322	Linear Algebra
MATH	3340	History of Mathematics
MATH	3335	Geometry and Proof
MATH	3355	Introduction to Numerical Analysis
MATH	3370	Mathematics Modeling
MATH	4431	Introduction to Probability Theory
MATH	4348	Introduction to Number Theory
MATH	4378	Statistics

Additional requirements: one computer language course and Physics 2305 or 2306 with a lab.

Both the BA and the BS in mathematics require a minor in an approved discipline, or an approved interdisciplinary minor.

Requirements for a Minor in Mathematics:

18 semester hours, to include MATH 2312, 2313, and at least 9 hours of upper-division courses.

### Requirements for a Minor in Statistics:

18 semester hours to include the following courses. Pre-requisites for the minor include the completion of MATH 2312 and MATH 2313.

MATH	2303	Introduction to Probability and Statistics
MATH	3332	Statistical Methods
MATH	3345	Time Series Analysis
MATH	3352	Statistical Software Packages
MATH	4331	Introduction to Probability Theory
MATH	4378	Statistics

The upper division courses listed for the minor are not to be counted double toward either the B.S. or B.A. in mathematics.

### METEOROLOGY (METR)

[Course Descriptions, page 323]

The Meteorology degree program is designed for students who wish to receive a comprehensive education for the purpose of research into the dynamics of the Earth's atmosphere, weather analysis, and weather forecasting. This science includes a study of the impact of air pollution on people and the environment, the threat of changing climate due to global warming, severe weather, and world climates. Meteorology is an interdisciplinary program which prepares students for entering a wide variety of professional careers as well as graduate programs in weather modeling and forecasting, air pollution studies, broadcast meteorology, hydrology, Geographic Information Systems (GIS) applications in meteorology, and education. Government, industry, and private research groups may also provide entry level positions for meteorologists. Students are required to minor in mathematics as part of the preparation required for graduate school or for careers in operational meteorology or meteorology research.

#### Major requirements for a Bachelor of Science:

93 semester hours in science as follows:

1. 52 semester hours in Meteorology:

METR	1325	Natural Hazards
METR	1360	Climatology
METR	1430	Meteorology
METR	3310	Radar Meteorology
METR	3315	Synoptic Meteorology I
METR	3320	Forecasting I
METR	3325	Thermodynamic Meteorology
METR	3330	Forecasting II
METR	3335	Severe Weather
METR	3340	Hydrology
METR	3345	Statistical Climatology

SCHOOL OF MATHEMATICS, SCIENCE AND  
ENGINEERING

METR	3350	Synoptic Meteorology II
METR	3360	Satellite Meteorology
METR	3365	Physical Meteorology
METR	3370	Atmospheric Dynamics
METR	4315	Air Pollution Meteorology
METR	ADV*	Upper-division Elective

2. 4 semester hours in Geology:  
GEOL 1420 Oceanography
3. 8 semester hours in PHYS 2305/2105, Physics I and Lab, and PHYS 2306/2106, Physics II and Lab
4. 8 semester hours in CHEM 1301/1101, Chemical Principles I and Lab, and CHEM 1302/1102, Chemical Principles II and Lab
5. A Minor in Mathematics (21 hours) that includes MATH 1311, 2312, 2313, 2314, 3314, and six hours advanced math.

Students may begin their Mathematics minor with MATH 2312 Calculus I if they have the prerequisite Precalculus course (passed with C or better) from another institution, or has equivalent qualifications from other mathematics courses and permission from the Mathematics faculty.

The Advanced Math (6 hours) consists of any 3000-level or 4000-level courses in Mathematics (in addition to the required MATH 3314). The student needs to fulfill the particular prerequisites for those six hours of advanced mathematics courses and select those that best fit their career goals and/or graduate school.

The following courses do not qualify for the Mathematics Minor for Meteorology Majors:

MATH 2374, Mathematics for Elementary Teachers

MATH 2375, Mathematics and Science Pedagogy for Elementary Teachers

MATH 3340, History of Mathematics

## Meteorology Minor

The Meteorology minor will provide students a comprehensive education in the dynamics of the earth's atmosphere, weather analysis, and weather forecasting. The minor includes course work on the impact of air pollution on people and the environment, the threat of changing climate due to global warming as well as severe weather, and world climates. Meteorology is an interdisciplinary program and includes application in mathematics hydrology, physics, and chemistry for academic research in the following areas: weather modeling and forecasting, air pollution studies, hydrology, Geographic Information Systems (GIS) applications in meteorology, and education. Students are encouraged to take additional courses in statistics and mathematics as part of the preparation in operational meteorology, modeling and forecasting in some of the upper-division Meteorology course but these math courses are not required for successful completion of the upper-division Meteorology courses.

Requirements for a minor in Meteorology (22 hours as follows):

METR	1430	Meteorology
METR	3310	Radar Meteorology
METR	3320	Forecasting I
METR	3330	Forecasting II
METR	3315	Synoptic Meteorology I
METR	3350	Synoptic Meteorology II
METR	3360	Satellite Meteorology or
METR	3335	Severe Weather

## BROADCAST METEOROLOGY (METB)

[Course Descriptions, page 323]

The Meteorology program offers a Bachelor of Science degree in Broadcast Meteorology for students who wish to enter careers in cable, satellite, and regular broadcast TV, and radio. The course work in this degree program will fulfill the National Weather Association (NWA) and the American Meteorological Society (AMS) course educational requirements, however all other requirements to earn the Seals of Approval from the AMS and NWA are the responsibilities of the student and are not part of this program. Twenty courses including a Workshop are required for a total of 62 credit hours to complete the degree program. The Workshop includes a 3-week training session involving on-camera presentation of weather forecasts. Students must separately meet the requirements of the NWA or AMS to earn a Seal of Approval for weathercasters. The proposed degree program does not provide a Seal of Approval but provides sufficient training and course work to prepare students to fulfill the educational requirements for the NWA or AMS Seal of Approval. The Broadcast Meteorology program also requires 9 credit hours of Communication Arts courses that include COMM 2358 Video Production I and two additional courses selected from the following: COMM 3353, 3380, 3390, and 4352.

*Major requirements for a Bachelor of Science:*

90 semester hours in science and other courses as follows:

1. 52 semester hours in Meteorology:

METR	1325	Natural Hazards
METR	1360	Climatology
METR	1430	Meteorology
METR	3310	Radar Meteorology
METR	3315	Synoptic Meteorology I
METR	3335	Severe Weather
METR	3345	Statistical Climatology
METR	3355	Geographic Information Systems (GIS) in Meteorology
METR	3360	Satellite Meteorology
METR	3320	Forecasting I
METR	3325	Thermodynamic Meteorology
METR	3330	Forecasting II
METR	3340	Hydrology
METR	3350	Synoptic Meteorology II
METR	4310	Weathercasting I
METR	4320	Weathercasting II
METR	ADV**	Upper-division Elective

\*\*Choose from either METR 4315, Air Pollution Meteorology; METR 4325, Climate Modeling; METR 3345, Statistical Climatology, or METR 4371 Special Topics.

2. 7 semester hours in Geology:

GEOL	1321	Physical Geography
GEOL	1420	Oceanography
3. 9 semester hours in Communication Arts courses that include COMM 2358 Video Production I and two additional courses selected from the following:  
COMM 3353, 3380, 3390, and 4352.
4. 6 semester hours in MATH 1311, Precalculus, and MATH 2312, Calculus I
5. 8 semester hours in PHYS 2305/2105, Physics I and Lab, and PHYS 2306/2106, Physics II and Lab
6. 8 semester hours in CHEM 1301/1101, Chemical Principles I and Lab, and CHEM 1302/1102, Chemical Principles II and Lab

## NUTRITION (NUTR)

The Nutrition curriculum integrates the study of biology, chemistry, behavioral sciences, business, and communication into the various areas of nutrition. Graduates of the UIW Nutrition Program are employed in the following areas associated with food and nutrition: health care, food industry, food service

management, community nutrition programs, government agencies, private practice, wellness, and media communication.

Students may select from one of two optional tracks to obtain a Bachelor of Science Degree in Nutrition. Option A focuses on Nutrition and Dietetics, and prepares students for eligibility for a dietetic internship or other supervised practice program in dietetics. The Option A curriculum is externally approved through the Commission on Accreditation for Dietetics Education of The American Dietetic Association. Option B focuses on Nutrition Science, and may be used to fulfill prerequisite requirements for medicine, dentistry, physical therapy, etc., as well as for graduate studies in Nutrition.

### Requirements for a Bachelor of Science in Nutrition:

#### 1. 27 semester hours in required Nutrition courses:

NUTR	2231/ 2131	Principles of Food Preparation and Laboratory
NUTR	2341	Introduction to Nutrition
NUTR	3342	Nutrition in the Life Cycle
NUTR	4335	Nutrition Education and Counseling
NUTR	4340	Clinical and Nutritional Assessment
NUTR	4460	Community and World Nutrition
NUTR	4470	Human Nutrition and Metabolism
NUTR	4475	Clinical Nutrition

#### 2. 49 semester hours in required supporting disciplines:

PSYC	1301	Introduction to Psychology or
SOCI	1311	Introduction to Sociology
MATH	1304	College Algebra
MATH	2303	Introduction to Probability and Statistics or
SOCI	3381	Statistics for Behavioral Sciences
ECON	2301	Principles of Macroeconomics
SPCH	2341	Business and Professional Communication
BIOL	1402	Unity of Life and Laboratory
BIOL	2321/2121 2322/2122	Anatomy and Physiology I and II and Laboratories
BIOL	2474	Introductory Microbiology and Laboratory or
BIOL	3471	General Microbiology and Laboratory
CHEM	1301/1101 and 1302/1102	Chemical Principles I and II and Laboratories
CHEM	2311/2111 and 2312	Organic Chemistry I and Lab and Organic Chemistry II
CHEM	4351	Biochemistry I

#### 3. Additional semester hours as indicated, in one of the following two options:

##### A. Nutrition and Dietetics 21 to 24 Hours:

ACCT	2301	Accounting for Non-Business Majors
BMG	3340	Management Theory and Practice or
BMG	3354	Human Resources Management
NUTR	1102	Introduction to Dietetics
NUTR	3433	Food and Nutrition Services Management I

NUTR	3234/3134	Food and Nutrition Services Management II and Laboratory
NUTR	3332	Experimental Foods
NUTR	4239	Nutrition Practicum or
NUTR	3410	Food Recovery and Gleaning

Additional 2-3-semester hour elective

B. Nutrition Science 19 to 20 hours:

CHEM	2112	Organic Chemistry II Lab
MATH	2312	Calculus I
PHYS	2305/2105 or 1301 /1101	Physics I or General Physics I and Laboratory
PHYS	2306/2106 or 1302/1102	Physics II or General Physics II and Laboratory
CHEM	4352 <sup>1</sup>	Biochemistry II
CHEM	4151	Biochemistry Laboratory

Additional 3-4-semester hour elective in upper-division Biology, Chemistry, or Nutrition.

Requirements for a Minor in Nutrition:

NUTR 2341 is required, plus 9 semester hours of other NUTR courses, 6 of which must be in upper-division courses (3000 and above). Seminar, Practicum, and 1000-level courses do not meet the requirements for a minor.

## PHYSICS (PHYS)

[Course Descriptions, page 349]

Physics is the fundamental science that deals with study of matter and energy and their interactions in the fields of mechanics, heat, fluids, sound, electricity, magnetism, light, optics, radiation, atomic structure, and nuclear phenomena. Physics is an experimental science that involves the continued development of physical theories and models through observations, measurement, and testing. The theoretical and applied concepts of physics are the foundation for the sciences, engineering, and technology.

Requirements for a Minor in Engineering Physics:

18-19 hours, to include PHYS 2305, 2105, 2306, 2106, ENGR 3350, and any two out the following three: ENGR 3455, 4375, 4470, and 3460.

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<sup>1</sup> This course is the second part of a two course sequence covering introductory Biochemistry, and studies the structure and function of carbohydrates, bioenergetics, intermediary metabolism, and the role of enzymes, vitamins, and cofactors in metabolism. Cross-referenced as BIOL 4352. Note that concurrent enrollment in CHEM / BIOL 4151 is not required for enrollment in CHEM / BIOL 4352. Prerequisites: CHEM / BIOL 4351 (or equivalent) with a grade of C or higher.

SCHOOL OF MATHEMATICS, SCIENCE AND  
ENGINEERING

Students may substitute ENGR 4399 Special Topics in Engineering for one of the upper-level engineering course options only with permission from the Chair of the Engineering Department.



## *School of Nursing and Health Professions*

The mission of the School of Nursing and Health Professions is to extend the healing ministry of Jesus Christ, the Incarnate Word, through the educational preparation of health professionals. The faculty's goal is to provide excellent student-centered health professions education that will promote leadership

development in the respective health disciplines. Faculty believe in collaborative learning promoting a philosophy of life that values the dignity of the individual and serves as a guide for making ethical-moral decisions. The school seeks to graduate health professionals whose practice is rooted in the spiritual heritage of the Sisters of Charity of the Incarnate Word. Graduates will be prepared as generalist practitioners in their respective disciplines and will be prepared for graduate education.

The School of Nursing and Health Professions offers undergraduate programs in Athletic Training, Nuclear Medicine, Nursing, Kinesiology, and Sports Management. Each of these programs is described in detail in the following sections under the appropriate department.

NOTE: To provide the student with the most current academic curriculum and to meet accreditation standards, the programs within the School of Nursing and Health Professions use the degree plan and catalog requirements on the date in which the student is admitted to the program and/or major, not the university matriculation date. Students who leave the program and/or major and are re-admitted must follow the degree plan and catalog requirements at the time of re-admission.

### Department of Human Performance

(Athletic Training, Dimensions of Wellness, Kinesiology, and Sports Management)

The mission of the Department of Human Performance is to provide a strong professional foundation for students in each major/concentration and to contribute to the Core Curriculum through course work in Wellness and Kinesiology.

#### **ATHLETIC TRAINING EDUCATION (ATHP)**

[Course Descriptions, page on page 249]

##### **Program Description**

The Athletic Training Education Program (ATEP) at The University of the Incarnate Word promotes the education of future athletic trainers and the development and improvement of the athletic training profession. An athletic trainer is a qualified health care professional educated and experienced in the management of the health care problems associated with exercise and sports participation. In cooperation with physicians and other health care professionals, the athletic trainer functions as a member of the athletic health care team in

secondary schools, colleges and universities, professional sports programs, sports medicine clinics, industrial settings and other athletic health care settings.

The mission of the program is to prepare graduates who are skilled in the competencies and proficiencies of the National Athletic Trainers' Association Education Council. The program, which leads to the Bachelor of Science in Athletic Training degree, prepares the student to meet the requirements of the Board of Certification examination and the State of Texas licensure examination.

The NATA Education Council identifies thirteen athletic training educational competency and proficiency domains in which to prepare the athletic training student:

- Foundational Behaviors of Professional Practice
- Risk Management and Injury Prevention
- Pathology of Injuries and Illnesses
- Orthopedic Clinical Examination and Diagnosis
- Medical Conditions and Disabilities
- Acute Care of Injuries and Illnesses
- Therapeutic Modalities
- Conditioning and Rehabilitative Exercise
- Pharmacology
- Psychosocial Intervention and Referral
- Nutritional Aspects of Injuries and Illnesses
- Health Care Administration
- Professional Development and Responsibility

The UIW Athletic Training Education Program currently is accredited by the Commission on Accreditation of Athletic Training Education (CAATE).

### Admission Requirements

All students who plan a program of study leading to the degree of Bachelor of Science in Athletic Training must first be accepted for admission to the University. Applicants then apply to the ATEP. Program enrollment is limited by the availability of faculty and clinical field experiences, therefore admission is competitive.

Applicants will apply to the ATEP during the semester in which the prerequisites will be completed. Applications to the ATEP are due to the program director by April 1st. Applicants work with an assigned advisor and are required to submit a completed application form. As part of the application process, the student must submit the following to be considered for entry into the ATEP:

- Application
- Three References and Essay
- Acknowledge of ATEP technical standards (see below)

- Health History and Physical examination by a physician (MD or DO), nurse practitioner or physicians assistant
- Documentation and completion of required immunizations (see below)
- Official transcripts from all colleges attended
- Current Health Care Provider CPR and First Aid courses
- Completion of at least 50 hours of observation under a certified athletic trainer

In addition, a candidate may be required to attend an interview with the selection committee and complete a general knowledge exam of Athletic Training skills.

### Selection Criteria

To be considered for admission the student must meet the following criteria:

- Completed application with all components present
- 25 hours of college-level credit with a minimum cumulative GPA of 2.5
- Current Health Care Provider CPR and First Aid courses
- Completion of at least 50 hours of observation under a certified athletic trainer
- Completion of required Physical Examination and Immunizations (see below)

### Other Requirements after Acceptance

Prior to starting the first clinical course, the student must also complete the following requirements. Students that fail to complete the following may be removed from the program.

- Completion of Criminal Background screen (see below)
- Completion of HIPAA Confidentiality Training
- Completion of Blood-borne Pathogen, OSHA and/or Universal Precautions Training
- Completion of ATEP and Site Orientation

### Notice of Non-Discrimination

The Athletic Training Education Program follows the guidelines and policies from the student and faculty handbooks related to non-discrimination. The program does not engage in discrimination against an individual because of race, color, religion, gender, national or ethnic origin, non-disqualifying disability, or age, to comply with all federal and state non-discrimination, equal opportunity, and affirmation action laws and regulations. Students should be aware that they must meet the technical standards for the program and profession.

### Clinical Placements / Internship / Observation Hours

After admission into the ATEP, the student will complete six semesters in the academic, clinical and internship components of the program. Students gain

hours in clinical experiences associated with a variety of different populations including genders, varying levels of risk, protective equipment and medical experiences that address the continuum of care that would prepare a student to function in a variety of settings and meet the domains of practice delineated for a certified athletic trainer in the profession.

To meet the requirements of the Board of Certification and Advisory Board of Athletic Trainers, the student must document 1800 hours of observation and practice of athletic training skills under the direction supervision of an assigned athletic trainer or a medical professional serving as a clinical instructor. Certain field experiences will be required prior to the first day of class, during weekends and university breaks. The program director and clinical coordinator will contact students concerning placement in affiliated settings for observation and practice prior to the assignment.

## Transfer Students

Students that are considering application for admission into the ATEP from another university or college must first be admitted into the University. Along with the application, transfer students must submit TWO copies of transcripts of ALL UNIVERSITY WORK. Send one set to the UIW Admissions Office. Send the second set of transcripts to the School of Nursing and Health Professions, Attn: Athletic Training Education Program Director, 4301 Broadway, San Antonio, TX 78209. Please note we cannot accept an application without copies of all transcripts.

Students transferring from another baccalaureate athletic training education program must satisfy the same prerequisite and major course work, as do all other applicants. All athletic training course work will be evaluated for equivalency with the UIW curriculum. Students should be prepared to present a syllabus from previous institution and have documented proof of completion of competencies and clinical proficiencies. The decision for admission, transfer credit for previous athletic training courses and placement in the program will be considered on an individual basis.

## Health Requirements / Immunizations for Athletic Training

In compliance with the Health Care Provider terms of TAC 97.64, applicants to the ATEP are required to provide proof of a physical examination (for admission and annually thereafter) and the following immunizations prior to admission to the first clinical experiences course:

- Hepatitis B (#1, #2, #3)
- MMR (#1, #2)
- Tetanus/Diphtheria/Pertussis (1 Dose TDap)
- Varicella (#1 and #2 or history of Chickenpox)
- TB skin test or chest X-Ray (required annually while in the program)
- Influenza vaccine (required annually while in the program)

If, for any reason, the student is unable to receive any immunizations a physician's statement will be required. Additional health requirements may be required by some clinical affiliations.

### Required Costs During Matriculation

Along with university tuition, athletic training students are required to pay course/clinical fees each semester to cover the costs of attaining or maintaining memberships in professional organizations, clinical clothing, liability insurance and materials for the program. It is also the student's responsibility to maintain certifications for blood borne pathogens training, first aid, CPR with AED, annual TB test, as well as purchasing needle stick insurance annually. Students are also responsible for travel to and from the clinical site.

### CPR and First Aid

Students must show evidence of having completed the health care provider course in CPR and a general First Aid. This requirement is necessary for all students prior to entering the athletic training program, and then annually thereafter. Evidence of completion or re-certification must be given to the program director prior to attendance of clinical experience course. Acceptable courses include:

- American Heart Association (BLS for Healthcare Professionals with Heartsaver First Aid)
- American Red Cross (Emergency Response with CPR for the Professional Rescuer)
- American Academy of Orthopaedic Surgeons Emergency Care & Safety Institute. (First Aid, CPR, AED and Professional Rescuer CPR)

### Liability and Health Insurance

Students involved in clinical observations or involved in the clinical experience course are required to be covered by liability insurance. The liability insurance fee will be included in the athletic training course fees. Students must also show proof of current health insurance and needlestick coverage. The University offers limited health insurance and needlestick coverage.

### Criminal Background Screening

Criminal background screening is completed on all candidates for the ATEP. The School will designate a company to do the background screening and will not accept results from any company other than the one designated by the School. Students pay expenses related to all screening. A student with a significant criminal background or a current conviction may not be allowed to register for athletic training courses until the student receives a declaratory order from the regulating board stating their eligibility for licensure or certification to practice.

## Drug Screening

Drug Screening may be required by some clinical agencies. The School will designate a company to do the drug screen and will not accept results from any company other than the one designated by the School. The student will pay the cost of the screening at the time of the testing.

A student who has a positive drug screen will not be allowed to participate in clinical courses. The student will be required to complete, at the student's expense, chemical dependency evaluation and treatment, if recommended by a drug assessment. Any student with a positive drug screen will be suspended for a minimum of one calendar year and will be required to provide documentation of successful treatment prior to being readmitted to clinical courses. If readmitted, the student must be retested by the School approved laboratory and have a negative drug screen. This testing is at the student's expense.

## Eligibility for Professional Practice

Completion of degree requirements for the bachelor's degree does not guarantee state licensure or national certification as an athletic trainer. Students are advised to contact the Board of Certification and Texas Advisory Board of Athletic Trainers concerning their eligibility of professional practice. Prior to practice, the individual must complete an application and pay required fees according to current policies and procedures of the regulatory board. The application process has various sections that require notarized documentation of information for the individual, university and the Athletic Training Education Program Director. Students are advised to plan ahead and identify key dates and requirements that are required as part of the regulatory process. As part of the Initial regulatory process, students must successfully complete an oral practical and written assessment of their athletic training skills.

Preparation to take the national certification examination and state licensure examination is a continual process. Once accepted into the ATEP, students will begin a series of clinical competency-based modules related to athletic training clinical skills. The athletic training students' clinical preparation for the national certification and state licensure examinations will be concluded during their last year when they take ATHP 4390: "Capstone: Mock Testing." The course material will be composed of material that has been covered in the previous athletic training classes. At the conclusion of the class, an examination structured like the national certification and state licensure examinations will be administered.

## Technical Standards

The University of the Incarnate Word is committed to complying with Section 504 of the Rehabilitation Act of 1973 and with the Americans with Disabilities Act of 1990. Therefore, the ATEP seeks to ensure that qualified persons with disabilities are not denied admission or subject to discrimination in the admission process. The technical requirements for admission establish the expectations and required abilities considered essential to perform duties of an athletic trainer. These abilities are classified into five categories: observation, communication, motor, intellectual, and behavioral and social.

**Observation:** A candidate must be able to observe demonstrations in the classroom and athletic training room. A candidate must also be able to accurately observe an athlete at a distance and at close range, in order to gather the necessary data regarding the athletes' physical status.

**Communication:** A candidate must be able to communicate effectively with a wide variety of athletes and other members of the health care team. Communication is not limited to verbal communication, but also includes having adequate reading and writing skills. Adequate communication skills also include the ability to record injury assessment results, SOAP notes, and follow-up notes.

**Motor:** Candidates must possess sufficient postural and neuromuscular control and adequate eye-to-hand coordination that is necessary to perform the duties of an athletic trainer. They must also possess sufficient control of their upper and lower extremity to meet the physical requirements for athletic training.

**Sensory:** Candidates must have adequate sensory function in order to elicit information from a physical examination through palpation, auscultation, percussion, and other assessment maneuvers.

**Intellectual:** Candidates must have the mental capacity to learn and assimilate a large amount of complex, technical, and detailed information. They must also be able to solve problems through critical analysis and perform measurements necessary to develop a therapeutic plan.

**Social and Personal Attributes:** A candidate must possess emotional and social attributes required to exercise good judgment, promptly complete all responsibilities as they relate to the care and management of an athletes' injury, and develop mature, sensitive, and effective relationships with the athletes' and other members of the health care team. The candidate must also be able to adapt to an ever-changing environment, display flexibility, tolerate physically taxing workloads, and maintain their composure during highly stressful situations.

## Promotion / Retention / Graduation Requirements

Once accepted into the ATEP, students will be evaluated each semester to ensure they are meeting the expectations set by the program. These expectations include:

- The student must complete a physical examination from a qualified physician or medical practitioner using the form provided at the time of admission to the program. Each year the student is required to submit their physical examination with updated immunizations.
- The student must have satisfactorily complete clinical observation or practice under the direction of a supervising certified athletic trainer or assigned preceptor.
- The student must maintain current CPR with AED and First Aid certification.
- The student must attend annual program orientation, blood-borne pathogen and HIPAA training sessions offered by the ATEP.

- Maintain a 2.5 GPA on a 4.0 scale. If a student's overall GPA falls below a 2.5, he/she will be placed on probation for one semester. Athletic training students placed on academic probation will be expected to fulfill an "academic probation contract" with the Athletic Training Program Director. Failure to fulfill the academic probation contract and/or earn an overall GPA of 2.5 or better may result in the student's dismissal from the program.
- Adhere to the rules and regulations outlined in the "Athletic Training Student Handbook."
- The student must earn favorable mid-term and final evaluations from the assigned clinical instructor. The evaluations serve to measure not only the student knowledge and acquired skill application but also attributes including dependability, reliability, initiative, adherence to published policies & procedures, and acceptance of responsibility.
- The student must pass all major and support courses with a "C" or better and successfully complete all clinical proficiencies attached to the course or will be placed on probation for one semester. Athletic training students placed on academic probation will be expected to fulfill an "academic probation contract" with the Athletic Training Program Director. Failure to fulfill the academic probation contract may result in the student's dismissal from the program.
- The student must be in good standing with the university.

### Academic Instruction Plan

The ATEP has designed an athletic training degree that fulfills the specific needs required by accreditation agencies, but also produces effective athletic trainers for the schools and physically active settings. The program uses the 4th Edition of the NATA's Education Council Competencies and Proficiencies as a guide in curricular and lab development. The following are the major requirements for the program.

### Major Requirements for a Bachelor of Science in Athletic Training Degree

NOTE: To provide the student with the most current academic curriculum and to meet accreditation standards, the programs within the School of Nursing and Health Professions use the degree plan and catalog requirements on the date in which the student is admitted to the program and/or major, not the university matriculation date. Students who leave the program and/or major and are re-admitted must follow the degree plan and catalog requirements at the time of re-admission.



Core Curriculum and Specific Athletic Training Education Requirements  
(85 credit hours):

	Semester Hours
English (Rhetoric)	6
Wellness Development	2
Kinesiology Activity course	1
Introduction to Philosophy	3
Religious Studies	3
Philosophy or Religion	3
Literature	3
Fine or Applied Arts	3
Second or Modern Language	6
Mathematics (College Algebra or above)	3
Human Anatomy and Physiology with Lab (I & II)	8
History	3
Introduction to Psychology	3
Research Methods (PSYC 3384)	3
Statistics (PSYC 3381)	3
Sociology of Sport (SOCI 3350) or Sport Psychology (PSYC 3345)	3
Theory of Movement Forms (PEHP 3350)	3
Fundamentals of Human Performance (PEHP 4333)	3
Introduction to Nutrition (NUTR 2341)	3
Nutrition for Human Performance (NUTR 4356)	3
Introduction to Athletic Training (ATHP 1310)	3
Medical Terminology for Health Profession (ATHP 1211)	2
Electives	12
Total	85

Computer Literacy - By the end of the second semester at UIW, or upon admission to the ATEP students must successfully test for computer literacy competence or complete a 3 hour Computer Literacy course.

Community Service                      45 clock hours

Sequence of Courses in the Major (43 credit hours) after acceptance into ATEP.

First Semester Major Courses - 13 hours

ATHP	1170	Athletic Training Clinical Experiences I
ATHP	2301	Emergency and Medical Aspects in Athletic Training
ATHP	2305	Functional Anatomy and Muscle Testing
ATHP	2310	Orthopedic Injuries and Athletic Conditions
ATHP	3310	Pathology of Body Systems

Second Semester Major Courses - 8 hours

ATHP	2170	Athletic Training Clinical Experiences II
ATHP	2315	Evaluation of Injuries and Conditions to the Trunk and Lower Extremities
ATHP	3320 and 3120	Therapeutic Modalities with Lab

Third Semester Major Courses - 7 hours

ATHP	3170	Athletic Training Clinical Experiences III
ATHP	2320	Evaluation of Injuries and Conditions to the Head, Neck and Upper Extremities
ATHP	2341	Pharmacological Issues in Athletic Training

Fourth Semester Major Courses - 8 hours

ATHP	4170	Athletic Training Clinical Experiences IV
ATHP	3330 and 3130	Therapeutic Rehabilitation with Lab
ATHP	3340	Organization and Administration of Athletic Training

Fifth Semester Major Courses - 5 hours

ATHP	4190	Athletic Training Clinical Experiences V
ATHP	4191	Athletic Training General Medical Field Experience*
ATHP	4390	Capstone: Mock Testing

\*Course may be taken in summer, fall, or spring semesters to fit student schedule.

Sixth semester Major Courses - 3 hours

ATHP	4388	Internship (can also be taken over summer prior or after senior year)
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## Clinical Instruction Plan

The ATEP requires each student to complete a minimum of 1800 hours of clinical field experience spread out over six semesters. The hour requirement meets the needs established by the guidelines of the Board of Certification and the Texas Advisory Board of Athletic Trainers; and provides the student with a foundation of athletic training experiences related to the domains of the profession.

The clinical experience component is designed to provide the student with a variety of settings for observation and directed practice of the competencies and proficiencies learned in the athletic training curriculum. Throughout the clinical component of the program, students are expected to observe the certified athletic trainer and allowed to practice skills in which they have been determined proficient by the athletic training faculty in the didactic portion of the program. The concept of the program is for the student to be led through their clinical experiences in order to develop a strong foundational knowledge and then to build on that foundation. the clinical instructor is key for providing the student

with hands on experience and sharing practical information about the athletic training profession. The student should consider the clinical experience courses as lab time to practice the skills developed in the theory classes.

Most of the field experiences take place during the observation and directed practice in the athletic training room; during the practice and contest venues. The ATEP program uses the athletic training rooms within local interscholastic and intercollegiate facilities in San Antonio. The student will also gain field experience by observing and participating with clinical instructors in physical therapy clinics, physician offices and other allied health settings in San Antonio, TX.

## KINESIOLOGY (PEHP)

[Course Descriptions, page 317]

The program of study leading to the Bachelor of Science degree prepares students for three career paths. Graduates can prepare to teach physical education in Elementary or Secondary schools. Graduates may also prepare for work in the private sector, in camps or in fitness centers by choosing a non-certification or personal trainer concentration. Details of the requirements for Teacher Certification are explained in the Education section of the bulletin.

### Activity Courses

The core curriculum requirement for all students includes a lifetime activity from the Kinesiology selections. Courses provide instruction and participation for the development of fitness, skills, knowledge, and appreciation of physical activity.

A physical examination is recommended for participation in Kinesiology activity courses. Students enrolled in Kinesiology provide their own clothing and pay a lab fee.

The following Activity Courses are grouped according to the requirements of the degree plans described below.

#### Group A - Individual and Dual Activities

- 1101 Archery
- 1102 Badminton
- 1103 Bowling
- 1104 Golf
- 1143 Fencing
- 1129 Racquetball
- 1133 Beginning Tennis
- 1134 Intermediate Tennis
- 1138 Badminton/Racquetball
- 1143 Fencing
- 1144 Racket Sport

#### Group B - Team Activities

- 1105 Basketball
- 1109 Track and Field
- 1106 Flag Football
- 1110 Volleyball

SCHOOL OF NURSING AND HEALTH PROFESSIONS

- 1107 Soccer
- 1128 Floor Hockey
- 1108 Softball

Group C - Developmental Activities

- 1111 Self-Defense
- 1127 Aerobic Dance
- 1112 Gymnastics (required)
- 1139 Yoga
- 1113 Physical Conditioning
- 1140 Advanced Yoga
- 1114 Weight Training
- 1141 Introduction to Martial Arts
- 1147 Tai Chi
- 1148 Exercise with Your Instructor
- 1149 Rock Climbing

Group D - Rhythmic Activities

- 1115 Ballet
- 1117 Folk and Square Dance
- 1116 Basic Rhythms
- 1136 Clogging
- 1145 Beginning Social Dance
- 1146 Country Western Dance

Group E - Aquatic Activities

- 1118 Beginning Swimming
- 1121 Water Safety Instruction
- 1119 Intermediate Swimming
- 1122 Water Games
- 1120 Life Saving
- 1132 Swimming for Fitness

Major Requirements for a Bachelor of Science In Kinesiology

Core Requirements for Kinesiology: (taken by all concentrations)

39 semester hours in Kinesiology as follows:

- PEHP 1190 Activity Lab
- PEHP 2201 Tests and Measurement
- PEHP 3105 Principles of Health
- PEHP 3301 Motor and Fitness Development for Children
- PEHP 3302 Motor and Fitness Development for Pre-Adolescents
- PEHP 3312 Motor and Fitness Development for Adolescents
- PEHP 3314 Theories of Coaching
- PEHP 3350 Theory of Movement Forms: Analysis and Construction
- PEHP 3371 Care and Prevention of Injuries
- PEHP 4301 Principles of Human Movement
- PEHP 4333 Fundamentals of Human Performance
- PEHP 4345 Psychomotor Development: Educational Implications
- BIOL 2321/2121 Anatomy & Physiology I & II w/ labs (taken in the  
and UIW core)  
2322/2122

Concentration: All-Level Physical Education Certification

Kinesiology core (see above)

9 activity hours chosen from the following:

- Group A-3 semester hours
- Group B-3 semester hours
- Group C-PEHP 1112 Gymnastics
- Group D-1 semester hour
- Group E-1 semester hour

Plus: Teacher Certification Courses as described in Dreeben School of Education section of this bulletin.

Concentration: Non-Certification Physical Education

Kinesiology core (see above)

- |  |      |  |
|--|------|--|
| PEHP   | 3305 | Motor Development, Fitness, and Health |
| PEHP   | 4395 | Practical Experience                   |
| SMHP   | 3301 | Introduction to Sport Management       |
| SMHP   | 3302 | Human Factors In Sport Management      |
| SOCI   | 3350 | Sociology of Sport                     |
| PSYC   | 2370 | Child and Adolescent Development       |
| Group A 4 semester hours                       |      |  |
| Group B 4 semester hours                       |      |  |
| Group C 3 semester hours (Gymnastics required) |      |  |
| Group D 1 semester hour                        |      |  |
| Group E 1 semester hour                        |      |  |

Concentration: Personal Trainer

Kinesiology core (see above)

- |      |      |  |
|------|------|--|
| PEHP | 3305 | Motor Development, Fitness, and Health |
| PEHP | 4399 | Practical Experience                   |
| SMHP | 3301 | Introduction to Sport Management       |
| SMHP | 3302 | Human Factors In Sport Management      |
| SOCI | 3350 | Sociology of Sport                     |
| NUTR | 2341 | Introduction to Nutrition              |
| NUTR | 4356 | Nutrition and Human Performance        |
| PEHP | 1112 | Gymnastics                             |
| PEHP | 1113 | Physical Conditioning                  |
| PEHP | 1114 | Weight Training                        |
| PEHP | 1118 | Beginning Swimming                     |
| PEHP | 1127 | Aerobic Dance                          |
| PEHP | 1139 | Yoga                                   |

Requirements for Kinesiology Minor:

18 semester hours as follows:

- |                         |      |   |
|-------------------------|------|---|
| PEHP                    | 3305 | Motor Development, Fitness, and Health              |
| PEHP                    | 3350 | Theory of Movement Forms: Analysis and Construction |
| PEHP                    | 3371 | Care and Prevention of Injuries                     |
| PEHP                    | 4333 | Fundamentals of Human Performance                   |
| PEHP                    | 4345 | Psychomotor Development: Educational Implications   |
| Group A-1 semester hour |      |   |
| Group B-1 semester hour |      |   |
| Group C-1 semester hour |      |   |

Recommended Sequence of Courses in the Major:

First Year

Activities Courses for Group A, B, C, D, E  
 PEHP 1190 Activity Lab

Sophomore and/or Junior Year

Activities Courses for Group A, B, C, D, E  
 PEHP 2201 Test and Measurements  
 PEHP 3105 Principles of Health  
 PEHP 3301 Motor and Fitness Development for Children  
 PEHP 3302 Motor and Fitness Development for Pre-Adolescents  
 PEHP 3305 Motor Development, Fitness, and Health (non-certification)  
 PEHP 3312 Motor and Fitness Development for Adolescents  
 PEHP 3314 Theories of Coaching  
 PEHP 3410 Motor and Fitness Development for Adolescents  
 PEHP 3350 Theory of Movement Forms: Analysis and Construction  
 PEHP 3371 Care and Prevention of Injuries  
 SMHP 3301 Introduction to Sport Management (non-certification)  
 SOCI 3350 Sociology of Sport (non-certification)

Elective within Major (non-certification)  
 BIOL 2321/2121 and 2322/2122

Junior and/or Senior Year

PEHP 4301 Principles of Human Movement  
 PEHP 4333 Fundamentals of Human Performance  
 PEHP 4345 Psychomotor Development: Educational Implications

Senior Year

PEHP 4399 Practical Experience (non-certification)

**SPORT MANAGEMENT (SMHP)**

This program is a concentration in Business Administration, offered in collaboration with the Department of Human Performance, and is designed to prepare students for positions of leadership in professional sports, colleges, universities, and non-profit organizations. See Bulletin for course requirements in Business Administration. For the concentration in Sports Management, refer to the Business Administration section of this catalog.

Recommended Sequence of Courses in the Concentration

Sophomore and/or Junior Year

SMHP 3301 Introduction to Sports Management  
 SMHP 3302 Human Factors in Sports Management  
 SMHP 3303 Seminar in Sports Organizations and the Public Market  
 BMKT 3333 Fundamentals of Advertising

Junior and/or Senior Year

SMHP	3319	Internship in Sports Management
PEHP	4345	Psychomotor Development: Educational Implications

## NUCLEAR MEDICINE SCIENCE (NMED)

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[Course Descriptions, page 336]

The Nuclear Medicine Science program offers an accredited curriculum leading to the degree of Bachelor of Science. The mission of the Nuclear Medicine program is to prepare individuals with the clinical and didactic experience necessary for successful entry into the Nuclear Medicine profession.

The goal of the Nuclear Medicine program is to enable the student to confidently possess the knowledge and skills necessary to safely perform a wide variety of clinical procedures, effectively communicate with patients with competent skills in: radiopharmaceutical dosage, calculation and administration, the operation of imaging devices, and operation of radiation detection monitoring devices.

Nuclear Medicine is a medical specialty that uses safe, micro-quantities of radioactive pharmaceuticals for diagnosis, management, treatment and prevention of many serious diseases. Nuclear Medicine imaging techniques provide information about both the function and structure of every organ in the body, often identifying organ abnormalities very early in the progression of a disease. This early detection allows a disease to be treated early in its course, when there may be a more positive prognosis.

The student choosing nuclear medicine technology as a career should have a strong interest in the natural sciences, mathematics, and computer technology as well as the desire for close patient contact, direct interaction with physicians and other health care professionals. Immediately upon graduation, a student is eligible to apply for national certification/registration examinations given by the Nuclear Medicine Technology Certification Board (NMTCB) or the American Registry of Radiologic Technologists (ARRT).

As a highly specialized member of the health care profession, graduates from this degree program have several vocational options, including but not limited to, Nuclear Medicine Technology (hospitals, clinics, research laboratories, regulatory agencies), entry into medical or graduate schools, and careers in education or administration in the specialty.

Faculty includes toxicologists, technologists, physicians, radiopharmacists, radiation physicists, each with a special focus and integrated perspective.

NOTE: To provide the student with the most current academic curriculum and to meet accreditation standards, the programs within the School of Nursing and Health Professions use the degree plan and catalog requirements on the date in which the student is admitted to the program and/or major, not the university matriculation date. Students who leave the program and/or major and are re-

admitted must follow the degree plan and catalog requirements at the time of re-admission.

Major Requirements for a Bachelor of Science in Nuclear Medicine Science

Core Curriculum and specific Nuclear Medicine requirements:

	Semester Hours
* English (Rhetoric)	6
Literature	3
Applied / Fine Art	3
History	3
Social Science	3
Religion and Philosophy (one course in Ethics)	9
Second Language	6
Dimensions of Wellness	2
Kinesiology Activity Course	1
* Anatomy and Physiology I and II with labs	8
* Chemical Principles I and II with labs	8
* General Physics I and II with labs	8
* Mathematics	6
* Precalculus and Statistics	
* Computer Literacy (either by exam or course)	3
Elective	3
Community Service 45 (non-credit hours)	
* Prerequisite to admission to program with a minimum grade of C.	

Courses in the Major (55 semester hours)

Sophomore Year

NMED	4310	Introduction to Nuclear Medicine
NMED	3310	Pathophysiology for NMED

Junior Year

NMED	2420	Patient Care Technologies
NMED	3210	Health Assessment and Communication for the Nuclear Medicine Technologist
NMED	4510	Nuclear Cardiology
NMED	3320	Medical Radiation Safety
NMED	4322	Radio pharmacy, Radiochemistry, and Radioimmunoassay
NMED	4341	Radiation Biology / Biophysics
NMED	4331	Instrumentation
NMED	4545	Principles of PET and PET/CT

Senior Year

NMED	3305	Applications of Radionuclides
NMED	4604	Clinical Nuclear Medicine I
NMED	4606	Clinical Nuclear Medicine II



NMED	4312	Molecular Imaging and the Physics of Medical Imaging and Therapeutics
NMED	4361	Nuclear Medicine Registry Review

A minimum grade of C is required in all Nuclear Medicine courses. In general, satisfactory completion of courses in one semester is required prior to enrolling in subsequent semesters. Failure to make a minimum grade of C in any required nuclear medicine course will prevent the student from progressing in the program. Students who fail one or more courses in the program must make application to the nuclear medicine program to continue. The student's overall academic achievement will be considered in the decision to be retained or to be placed on enforced withdrawal from the nuclear medicine program.

### Admission Requirements

All students who plan a program of study leading to the degree Bachelor of Science in Nuclear Medicine Science must first be accepted for admission to the University. After completing core, a student may formally apply to the Nuclear Medicine major. Interested students should contact the department for an application; applications must be received by February 1 for fall admission and September 1 for spring admission. To be eligible, the student must meet the following criteria:

1. A 2.50 cumulative GPA with a 2.50 GPA in math/science courses.
2. Sophomore standing
3. Completion of core
4. Completion of Anatomy and Physiology I and II, Chemistry I and II, Physics I and II, Math (Pre-calculus and Statistics) and Computer Literacy competency.

### Transfer Students

Students who are considering application for admission into the nuclear medicine program from another university or college must first be admitted into the University. Along with the application, transfer students must submit TWO copies of transcripts of ALL UNIVERSITY WORK. Send one set to the UIW Admissions Office. Send the second set of transcripts to the School of Nursing and Health Professions, Attn: Nuclear Medicine Program Director, 4301 Broadway-CPO 300, San Antonio, TX 78209. Please note we cannot accept an application without copies of all transcripts.

### Health Requirements for Nuclear Medicine Science

In compliance with the Health Care Provider terms of TAC 97.63, applicants to the Nuclear Medicine Science program are required to provide proof of a completed health history questionnaire, immunizations (a completed series of Hepatitis B, MMR and TeD), TB skin test or chest x-ray, and current CPR certification prior to admission into the program. Additional health requirements may be required by some clinical healthcare settings. Students are responsible for reviewing and updating individual health records as they progress in the program.

### Special Health Problems / Pregnancy

Students who can successfully combine satisfactory school attendance with pregnancy or with special health problems will not be prohibited from registration in nuclear medicine clinical courses. The student must declare their pregnancy to

comply with dosimetry badge regulations and fulfill the same course requirements as any other student.

Students pursuing nuclear medicine technology must possess visual and hearing acuity, digital dexterity, and motor coordination. They must be able to climb, balance, stoop, and lift/carry up to 50 pounds.

#### Other Requirements:

##### Criminal Background Screening

Criminal background screening is completed on all students accepted into the nuclear medicine program. The School will designate a company to do the background screening and will not accept results from any company other than the one designated by the School. Students pay expenses related to all screening. A student with a significant criminal background or a current conviction may not be allowed to register for nuclear medicine courses until a "Preapplication Review of Eligibility" is filed with the American Registry of Radiologic Technologists (ARRT). The review of eligibility process may take approximately 6 months and is filed at the student's expense and is entirely the responsibility of the student to provide required documentation of all criminal proceedings, charges and convictions. If approved, the ARRT will issue a declaratory order stating the individual is eligible for initial licensure or license renewal or determine that the individual is eligible to return to practice.

##### Drug Screening

Drug Screening may be required by some clinical agencies. The School will designate a company to do the drug screen and will not accept results from any company other than the one designated by the School. The student will pay the cost of the screening at the time of the testing. A student who has a positive drug screen will not be allowed to participate in clinical courses. The student will be required to complete, at the student's expense, chemical dependency evaluation and treatment, if recommended by a drug assessment. Any student with a positive drug screen will be suspended for a minimum of one calendar year and will be required to provide documentation of successful treatment prior to being readmitted to clinical courses. If readmitted, the student must be retested by the School approved laboratory and have a negative drug screen. This testing is at the student's expense.

##### Insurance Requirements

When admitted to the clinical nuclear medicine program, the student is required to be covered by liability insurance. The liability insurance fee is included in nuclear medicine course fees. Students must also show proof of current health insurance and needle stick injury coverage. The University offers limited health and needle stick insurance coverage.

##### Progression / Retention / Graduation

Students must maintain satisfactory standards to progress in the nursing program and must be recommended by nuclear medicine faculty for promotion and eligibility to graduate. Requirements are as follows:

A minimum grade of C (75) is required in all nuclear medicine courses. In general, satisfactory completion of courses in one semester is required prior to enrolling in subsequent semesters. Nuclear Medicine courses are taken in sequence according to the recommended curriculum pattern.

A student who withdraws or receives a final grade of D or F in a nuclear medicine course for the first time will be allowed to repeat the course after formal review by the Student Affairs Committee. The committee will consider all of the following in rendering a decision:

- Recommendation of course faculty
- Academic performance in other courses
- Space availability in the course

To remain in the program after retention the student must:

- Adhere to the UIW student code
- Demonstrate a pattern of safe clinical practice commensurate with the educational experience
- Demonstrate acceptable behaviors and attitudes normally expected of nuclear medicine technologists
- Comply with the directives in the letter of retention

#### Ineligibility for Continuation in the Program

A student who receives two grades of D or F or two withdrawals in nuclear medicine courses or a combination of D or F and a withdrawal will not be eligible for continuation, even if the student has already repeated one of the courses and received a grade of C or above.

#### Appeals

Upon notification of ineligibility to continue in the nuclear medicine program, the student may appeal the decision by addressing a letter to the Dean of the School of Nursing and Health Professions. Such correspondence should specify the reasons for the appeal and relevant new information for the purposes of the appeal. In addition to the letter an Application for Appeal Form with faculty recommendations must be included as an attachment. The Dean will determine if the appeal merits review by the Student Affairs Committee.

#### Clinical Hours

After admission into the program, the student will complete four semesters in the academic and clinical components of the program. The student must document 1536 hours of observation and practice of nuclear medicine imaging skills under the direct supervision of an assigned nuclear medicine preceptor. The program director and clinical coordinator will contact students concerning placement in affiliated settings for observation and practice prior to the assignment.

#### Eligibility for Professional Practice

Completion of degree requirements for the bachelor's degree does not guarantee state licensure nor national certification as a nuclear medicine

technologist. Students are advised to contact the American Registry of Radiologic Technologists (<http://www.arrt.org>) or Nuclear Medicine Testing Certification Board (<http://www.nmtcb.org>) concerning their eligibility of professional practice. Prior to practice, the individual must complete an application and pay required fees according to current policies and procedures of the regulatory board. The application process has various sections that require notarized documentation of information for the individual, university and the program director. Students are advised to plan ahead and identify key dates and requirements that are required as part of the regulatory process. As part of the Initial regulatory process, students must successfully complete a computer based interactive assessment of their nuclear medicine imaging skills.

## **NURSING (NURS)**

[Course Descriptions, page 336]

The Nursing program offers an accredited curriculum in nursing leading to the degree of Bachelor of Science in Nursing (BSN). The program offers two pathways for the BSN: a generic pathway for students wishing to become registered nurses, and an accelerated pathway for associate degree or diploma prepared registered nurses who wish to earn a BSN (RN-BSN: "ADCaP" ). Additionally, the RN-MSN program is designed for the Associate's degree or Diploma prepared registered nurse who is interested in graduate nursing education in preparation for an advanced nursing role as either a clinical nurse specialist or clinical nurse leader.

### Accreditation

The undergraduate nursing program is approved by the Texas Board of Nursing and fully accredited by the Commission on Collegiate Nursing Education (CCNE). For information on CCNE accreditation go to <http://www.aacn.nche.edu/Accreditation/index.htm>.

### Major Requirements for a Bachelor of Science in Nursing:

**NOTE:** To provide the student with the most current academic curriculum and to meet accreditation standards, the programs within the School of Nursing and Health Professions use the degree plan and catalog requirements on the date in which the student is admitted to the program and/or major, not the university matriculation date. Students who leave the program and/or major and are re-admitted must follow the degree plan and catalog requirements at the time of re-admission.

### Generic (Basic) Pathway Admissions and Degree Requirements:

The generic pathway prepares graduates to take the licensure examination to become a registered nurse. Courses are offered on the main campus and are primarily daytime classes.

### Admission Requirements (Generic Program)

Prospective students may apply to the generic (basic) nursing program each semester. Applicants must have been accepted to the university or have a UIW application in process by February 1st-Fall admission, September 1st-Spring admission. All prospective applicants should contact the School of Nursing and Health Professions directly (210-283-5093) to inform the program of intent to apply and schedule an interview before the program deadline

Nursing program applications must be completed by February 1st-Fall admission or September 1st-Spring admission. The applicant must have:

1. Submitted official copies of transcripts of all schools attended directly to the School of Nursing and Health Professions
2. Submitted a record of current enrollment
3. Completed the designated admissions test(s)
4. Submitted a record of completed Hepatitis B immunization (or a plan to complete by program enrollment date)
5. completed a background check as designated by the program

At the time of program application, the applicant must have completed or be currently enrolled in all courses designated as prerequisite to admission:

- Computer Literacy
- English Composition I and II
- Speech
- Biological Chemistry I and II/Lab
- Anatomy/Physiology I/Lab and II/Lab
- Microbiology/Lab
- Nutrition
- Statistics
- Psychology-Introduction
- Psychology-Child and Adult Development (or, if transfer, Lifespan Development)
- Dimensions of Wellness (if new to UIW, may complete upon admission)

Admission to the nursing program may be limited based on the availability of qualified faculty and clinical practice sites. Acceptance is primarily based on academic performance. The applicant's overall academic record is considered in admission decisions. Criteria include:

Fulfillment of these minimum requirements does not guarantee admission. Students must also have completed the designated prerequisite courses, the designated health requirements and a background check in order to enroll in the program.

Students applying to transfer from another baccalaureate nursing program must satisfy the same prerequisite course work as do all other applicants. Students must

also meet the same standards for progression as do students enrolled in the UIW nursing program. This means that applicants must be in good academic standing and eligible to continue in the original nursing program. Prior nursing course work will be evaluated for equivalency with the UIW curriculum. Placement in the program will be determined on an individual basis.

**Degree Requirements for the Generic Program:**

Core Curriculum and specific nursing requirements:

	Semester Hours
* English (Rhetoric)	6
Literature	3
* Public Speaking	3
Fine or Applied Arts	3
Second Language	6
Religious Studies and Philosophy (one course in Ethics)	9
History	3
* Dimensions of Wellness	2
Kinesiology activity course	1
* Introduction to Psychology	3
* Adult Development	3
* Child Development	3
(Lifespan Development may be substituted for above development courses)	
* Mathematics (Statistics)	3
* Chemistry (Inorganic, Organic, Biochemistry) with Lab	6
* Human Anatomy and Physiology with Lab	8
* Microbiology with Lab	4
* Nutrition	3
* Computer Literacy	
* Prerequisite to admission to program with a minimum grade of C.	

**Courses in the major (Generic Pathway) 63 semester hours:**

Semester One-12 hours

NURS	2310	Integrated Health Science I
NURS	2420	Patient Care Technologies
NURS	2213	Basic Health Assessment
NURS	2312	Nursing and Health

Semester Two-13 hours

NURS	3510	Nursing of Adults I
NURS	3515	Nursing of Children and Families
NURS	3330	Research in Nursing

Semester Three-13 hours

NURS	3520	Nursing of Adults II
NURS	3341	Health Promotion and Disease Prevention
NURS	4541	Nursing of Childbearing Families

## Semester Four-12 hours

NURS	3551	Critical Care Nursing
NURS	4531	Mental Health Nursing
NURS	4221	Issues in Nursing

## Semester Five-13 hours

NURS	4288	Nursing Internship
NURS	4562	Community Health Nursing
NURS	4532	Nursing Leadership/Management
NURS	4182	Senior Seminar

## The RN-BSN Pathway

The RN-BSN Pathway is designed for the student entering the nursing program with at least six months of experience as a registered nurse. The RN-BSN Pathway program operates according to the policies and schedule of the Adult Degree Completion Program (ADCaP). Tuition is reduced and all courses are taught online in accelerated eight-week terms. Students generally take 6 credit hours each term and the nursing courses may be completed in one calendar year. The length of time to complete the program will depend on the number of courses the student needs to complete the core requirements. Previous education and clinical expertise are recognized through the opportunity to earn credit by validation and direct transfer of credit from equivalent courses from regionally accredited institutions. Students interested in the RN-BSN Pathway should apply directly to the ADCaP at <http://ww.uiw.edu/adcap/adcapadmit.htm> and contact the nursing advisor, Dr. Sarah Williams, at 210-829-6092.

Registered nurses will receive 30 hours advanced placement credit for prior nursing education after successful validation of prior learning. Validation of prior nursing knowledge is carried out either by testing or by the evaluation of work completed in the first nursing course, NURS 3512, Professional Nursing Role. Registered Nurses will be able to enter the RN-BSN Pathway without validation testing if the following conditions are met:

The registered nurse graduated from a Texas nursing education program accredited by the Board of Nurse Examiners (BNE), or

The registered nurse graduated from a nursing education program accredited by the National League for Nursing Accrediting Commission (NLNAC), or

The individual graduated within the past two years or has recent work experience as a registered nurse. If a nurse has graduated more than 2 years prior to admission to the Alternate Pathway, work experience or an approved refresher course or equivalent will be required.

Registered nurses who graduated from schools that were not NLNAC accredited must validate prior knowledge by testing.

## Admission Requirements (RN-BSN pathway)

Students who plan to follow the RN-BSN pathway should apply directly to the ADCaP at <http://ww.uiw.edu/adcap/adcapadmit.htm> and then contact the RN-BSN faculty advisor, Dr. Sarah Williams (210-829-6092).

The RN-BSN pathway applicant must also submit evidence of current licensure to practice professional nursing in Texas and have at least six months of experience as a registered nurse. Military personnel may submit evidence of current licensure in the United States.

Core Curriculum and specific nursing requirements:

	Semester Hours
* English (Rhetoric)	6
Literature	3
* Public Speaking	3
Fine or Applied Arts	3
Second Language	6
Religious Studies and Philosophy (one course in Ethics)	9
History	3
* Introduction to Psychology	3
* Lifespan Development	3
* Mathematics (Statistics)	3
* General Chemistry (any college level chemistry course)	4
* Human Anatomy and Physiology with Lab	6
* Microbiology with Lab (any college level course with lab)	4
* Nutrition	3
* Computer Literacy	
* Prerequisite to admission to program with a minimum grade of C.	

Courses in the major (Alternate Pathway) 28 semester hours: (eight week terms)

Term I

NURS 3512 Professional Nursing Role

Term II

NURS 3341 Health Promotion and Disease Prevention

NURS 4313 Health Assessment

Term III

NURS 4365 Community Health Nursing

Term IV

NURS 4265 Community Health Nursing Practicum

Term V

NURS 4331 Research in Nursing



NURS 4332 Nursing Leadership and Management

Term VI

NURS 3322 Issues in Nursing

NURS 4362 Practicum in Leadership/Management

### The RN-MSN Program

The RN-MSN program at the University of the Incarnate Word is available for associate or diploma prepared registered nurses in nursing who wish to earn a masters degree in nursing. The graduate program at UIW prepares nurses for the advanced practice roles of either Clinical Nurse Leaders or Clinical Nurse Specialists. All applicants for the RN-MSN degree must first apply and be accepted to the RN-BSN through ADCaP. In the second term of the RN-BSN program, the RN-MSN student will declare their interest in pursuing the RN-MSN track. RN-MSN students will be required to take NURS 3512, NURS 3341, NURS 4313, NURS 4365, and NURS 4265 as "bridge courses" to be admitted to the graduate program. Once the bridge courses and general core requirements are completed, students will make application to the graduate program. Students are admitted into the RN-BSN/MSN program twice per year.

### Progression and Graduation Policies of the Undergraduate Nursing Program (Generic and RN-BSN)

Students must maintain satisfactory standards to progress in the nursing program and must be recommended by nursing faculty for promotion and eligibility to graduate. Requirements are as follows:

A minimum grade of C (75) is required in all nursing courses. In general, satisfactory completion of courses in one semester is required prior to enrolling in subsequent semesters. Nursing courses are taken in sequence according to the recommended curriculum pattern.

A student who withdraws or receives a final grade of D or F in a nursing course for the first time will be allowed to repeat the course after formal review by the Student Affairs Committee. The committee will consider all of the following in rendering a decision:

- Recommendation of course faculty
- Academic performance in other courses
- Space availability in the course

To remain in the program after retention the student must:

- Adhere to the UIW student code
- Demonstrate a pattern of safe clinical practice commensurate with the educational experience
- Demonstrate acceptable behaviors and attitudes normally expected of professional nurses
- Comply with the directives in the letter of retention

### Ineligibility for Continuation in the Program

A student who receives two grades of D or F or two withdrawals in nursing courses or a combination of D or F and a withdrawal will not be eligible for continuation, even if the student has already repeated one of the courses and received a grade of C or above.

### Appeals

Upon notification of ineligibility to continue in the nursing program, the student may appeal the decision by addressing a letter to the Dean of the School of Nursing and Health Professions. Such correspondence should specify the reasons for the appeal and relevant new information for the purposes of the appeal. In addition to the letter an Application for Appeal Form with faculty recommendations must be included as an attachment. The Dean will determine if the appeal merits review by the Student Affairs Committee.

### NCLEX-RN Preparation

As part of the preparation for the National Council Licensure Examination for Registered Nurses (NCLEX-RN), nursing students in their final semester of study in the generic pathway are required to achieve a satisfactory score on a comprehensive diagnostic examination in order to receive approval for graduation.

## Non-Academic Requirements for Admission and Continuation in the Nursing Program

### Health Requirements

Good physical and mental health is essential for study and practice in professional nursing. The faculty reserves the responsibility for admitting and retaining only those students who demonstrate qualities of physical and mental health generally considered to be imperative for professional nursing practice. In compliance with the Health Care Provider terms of TAC 97.64, applicants to the nursing program are required to provide proof of completed immunizations, CPR (Health Provider) certification, and First Aid certification prior to enrollment in nursing classes. Current immunization and certification is also required for continued enrollment in the program. Students are required to maintain up-to-date records at the UIW Health Services Office. They are also responsible for providing evidence of this record upon request from the appropriate program director. The Health Services Office will help the student determine what immunizations are complete and when further immunizations are due. Specific requirements include:

- Immunization Record:

- Hepatitis B (Completed series-3-due upon program entry. May take up to 7 months to complete series)
- Measles, Mumps, Rubella (2 doses, due upon program entry)
- Varicella (2 doses-or Positive Varicella titer--due upon program entry)
- Tetanus/Diphtheria/Pertusis (1 does Tdap--due upon program entry)
- Influenza (due annually in Fall)
- TB skin test or alternate medical recommendation (due upon entry and then annually)
- Selected Agencies only: HIV testing. Students will be notified if this is required at the time of clinical assignment.
- Current CPR certification- Only the following courses are accepted:  
American Heart Association Healthcare Provider or American Red Cross Professional Rescuer
- Current First Aid Certification- Only the following courses are accepted:  
American Red Cross First Aid Certification  
American Heart Association First Aid Certification

Additional health requirements may be required by some clinical agencies. Students must show proof of current health insurance and needlestick injury coverage.

### Special Health Problems / Pregnancy

Students who can successfully combine satisfactory school attendance with pregnancy or with special health problems will not be prohibited from registration in nursing courses. The student must, however, fulfill the same attendance and course requirements as any other student. No special clinical assignments can be made.

Students pursuing nursing must possess visual and hearing acuity, digital dexterity, and motor coordination. They must be able to climb, balance, stoop, and lift / carry up to 50 pounds. Nurses must be able to work quickly under pressure and enjoy working with people.

### Other Requirements

#### Criminal Background Screening

Criminal background screening is completed on all candidates for the nursing program. The school will designate a company to do the background screening and will not accept results from any company other than the one designated by the school. Students pay expenses related to all screening. A student with a significant criminal background or a current conviction may not be allowed to register for nursing courses until the Board of Nurse Examiners for the State of Texas (BNE) issues a declaratory order stating the individual is eligible for initial licensure or license renewal or determines that the individual is eligible to return to practice. The criminal background screen (FBI screen) will be repeated in the senior year when the student applies for the licensing exam.

#### Eligibility for Licensure

Completion of degree requirements for the B.S.N. does not guarantee licensure as a registered nurse. The Nurse Practice Act for the State of Texas, and the Board of Nurse Examiners (BNE), require that a candidate for licensure possess good professional character. Students are regularly evaluated for good professional character throughout the program of study. Students who do not demonstrate the qualities required by the Nurse Practice Act will not be recommended for licensure. Good professional character includes, but is not limited to, behaviors indicating honesty, accountability, trustworthiness, reliability and integrity. Students will receive a copy of the BNE rule related to Good Professional Character in the first nursing course.

Eligibility for licensure as a registered nurse in the state of Texas is determined by the BNE. Texas law prohibits certain persons from taking the licensure exam and practicing nursing.

Applicants who answer "yes" to any of the following questions MUST contact the Board of Nurse Examiners and file a petition for a declaratory order (an order which indicates the candidate will be eligible for a nursing license).

- Have you ever been convicted, adjudged guilty by a court, plead guilty, no contest or no-contender to any crime in any state, territory or country, whether or not a sentence was imposed, including any pending criminal charges or unresolved arrest (excluding minor traffic violations)? This includes expunged offenses and deferred adjudications with or without prejudice of guilt. Please note that DUI's, DWI's, PI's must be reported and are not considered minor traffic violations. (One time minor in possession [MIP] or minor in consumption [MIC] do not need to be disclosed, therefore, you may answer "NO." If you have two or more MIP's or MIC's, you must answer "YES.")
- Do you have any criminal charges pending, including unresolved arrests?
- Has any licensing authority refused to issue you a license or ever revoked, annulled, cancelled, accepted surrender of, suspended, placed on probation, refused to renew a professional license or certification held by you now or previously, or ever fined, censured, reprimanded or otherwise disciplined you?
- Within the past five years, have you been addicted to and/or treated for the use of alcohol or any other drug?\*
- Within the past five years, have you been diagnosed with, treated, or hospitalized for schizophrenia and/or psychotic bipolar disorder, paranoid personality disorder, antisocial personality disorder, or borderline personality disorder?\*
- If you are licensed as an LVN in the State of Texas and are currently participating in the Texas Peer Assistance Program for Nurses, you may answer "NO" to questions #4 and #5.

### Drug Screening

Drug screening may be required by some clinical agencies. The School will designate a company to do the drug screening and will not accept results from any

company other than the one designated by the School. The student will pay the cost of the screening at the time of testing.

A student who has a positive drug screen will not be allowed to participate in clinical courses. The student will be required to complete, at the student's expense, chemical dependency evaluation and treatment if recommended by the drug assessment. Any student with a positive drug screen shall be suspended for a minimum of one calendar year and will be required to provide documentation of successful treatment prior to being readmitted to clinical courses. If readmitted, the student must be retested by the School approved laboratory and have a negative drug screen. This testing is done at the student's expense.

#### Liability and Health Insurance

Students are required to be covered by liability insurance. The insurance fee is included in nursing course fees. Students must also show proof of current health insurance. The University offers limited health insurance and needlestick injury coverage.

## School of Optometry

### VISION SCIENCE (VISC)

[Course Descriptions, page 371]

The B.S. in Vision Science degree requires the completion of 129 semester credit hours over a four year period. The degree program satisfies UIW Core curriculum requirements, the requirements of schools of optometry, including the UIW School of Optometry (UIWSO), medicine, dentistry, podiatry and physician assistants, to name a few. All UIW undergraduate core curriculum requirements are intended to be completed by the end of the junior undergraduate year. The curriculum structure and content gives the graduate a strong foundation and credentials to embark on a biomedical graduate research career, or to enter the workforce as a vision-science or ophthalmic-related specialist.

This unique curriculum allows the students to rotate through the eye care clinical facilities associated with the UIWSO. Overall, the students will go through three rotational clinical internships in the third and fourth year of the undergraduate program. This is the only program in the country where undergraduate students have the opportunity to learn under the guidance and supervision of a clinical academic faculty and professional staff in both the classroom and out-patient clinical settings.

In addition, this is the only national preparatory health science undergraduate degree program where the undergraduate students spend three rotations working with professional school interns in our outpatient facility and outreach programs such as school vision screenings, health fairs, nursing homes care and healthcare missions.

The B.S. in Vision Science degree is designed so students will have a foundation in vision science that far exceeds any other traditional applicants to optometry schools. This strong foundation will enhance the students' competitive credentials for optometry school, and once enrolled in a doctor of optometry program, will help jump-start their success in the professional doctorate curriculum. The design, focus and spirit of the B.S. in Vision Science degree will produce graduates that are well trained and prepared to pursue professional healthcare education/degrees, medical/vision research and many other work opportunities in the healthcare and medical fields.

To fulfill the requirements for Vision Science major, the student must complete the following:

1. Rhetoric (6 hours--Grade of C or better is required)

ENGL	1311	Composition I
ENGL	1312	Composition II

2. Literature and Fine Arts (6 hours):

ENGL	2310	World Literature Studies
Fine Arts		3 Hours from Fine or Performing Arts

## SCHOOL OF OPTOMETRY

3. Philosophy and Religious Studies (9 hours):
  - PHIL 1381 Introduction to Philosophy
  - RELS 13XX Religious Studies
  - 3 additional hours from Philosophy or Religious Studies
4. History and Social Sciences (6 hours):
  - HIST 3 Hours from HIST 1311, 1312, 1321, or 1322
  - PSYC 1301 Introduction to Psychology
5. Mathematics and Natural Sciences (7 hours):
  - MATH 2312 Calculus I
  - BIOL 1402 Unity of Life and Lab
6. Second Language (6 hours):
  - Must be two consecutive courses of the same language or equivalent
7. Wellness (3 hours):
  - DWHP 1200 Dimensions of Wellness
  - 1 hour additional PE activity
8. Computer Literacy (3 hours)
  - COMP 1301 Computer Literacy

### Vision Science Curriculum (Grade of C or better is required)

VISC	1112	Introduction to vision Science and Optometry
VISC	3211	Applied Vision Science
VISC	3291	Clinical Internship I
VISC	3292	Integrated Ocular Science
VISC	3212	Neuroscience of the Visual System
VISC	4322	Overview of Immunology and Eye Disease
VISC	4311	Visual Optics
VISC	4291	Clinical Internship II
VISC	4211	Visual Pharmacological Sciences
VISC	4392	Clinical Internship III
VISC	4212	Public Health and Epidemiology
VISC	4312	Ophthalmic Lenses and Optical Design
VISC	4242	Ocular Nutrition
CHEM	4351	Biochemistry

### Support Work (Grade of C or better is required)

SPCH	1311	Public Speaking
MATH	2303	Introduction to Probability and Statistics
BIOL	3411	Molecular Biology of the Cell and Lab
BIOL	3471	General Microbiology and Lab
CHEM	1301	Chemical Principles I
CHEM	1101	Chemical Principles I Lab
CHEM	1302	Chemical Principles II
CHEM	1102	Chemical Principles II Lab
CHEM	2311	Organic Chemistry I
CHEM	2111	Organic Chemistry I Lab

SCHOOL OF OPTOMETRY

CHEM	2312	Organic Chemistry II
CHEM	2112	Organic Chemistry II Lab
PHYS	2305	Physics I
PHYS	2105	Physics I Lab
PHYS	2306	Physics II
PHYS	2106	Physics II Lab
NUTR	2341	Introduction to Nutrition
BMGT	3340	Management Theory and Practice



## *VII. Description of Courses*

### **Course Numbers**

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Courses are designated by numbers that indicate their rank. Those numbered from 1000 to 1999 inclusive are of freshman rank; courses from 2000 to 2999 inclusive are of sophomore rank but may also be taken by freshmen that present the equivalent of the prerequisite at entrance; courses numbered from 3000 to 4999 are of junior and senior rank. The first digit of the course number indicates the class level of the course. The second digit indicates the semester hour value of the course. Prerequisites refer to current course numbering. For the prior course number, please see an advisor. Special Topics and Selected Topics courses (usually numbered 4371 and 4399) may be offered in any discipline and are repeatable when and as the topics change. Independent Study courses numbered 4X98 with the X meaning a specific credit hour value. These courses are available in all disciplines subject to eligibility requirements stated in Section V of this Bulletin.

NOTE: Some courses may have separate fees assessed at registration. Please refer to the Schedule of Classes for further information.

## VII. DESCRIPTION OF COURSES

### ANTHROPOLOGY (ANTH)

[Program Description page 98]

#### 1311 Cultural Anthropology

This course studies dynamics of human cultures, including material culture, technology, language, kinship and social organization, religion, art, and other major aspects of culture in diverse societies.

#### 3232 Culturology and Cross-Cultural Communication

This course examines the importance of culture and its role in communication. Cross-referenced with SOCI 3332. May be taken as a Cultural Studies elective.

### ART HISTORY (ARTH)

[Program Description, page 98]

#### 1310 Masterworks of World Art

This is a one-semester survey of Western and non-Western art: painting, sculpture, architecture, etc. This course will explore art from the earliest civilizations (Egyptian, Greek and Roman), from the late medieval period (Romanesque and Gothic), from Mesoamerica (1500 B.C. to 1520 A.D.), from the Renaissance (Da Vinci, Michelangelo), and from the modern and post-modern eras of the U.S. and Latin America. The organization is not strictly chronological. Rather, each unit consists of several recurring topics: introduction, place; style or movement; individual artist and status of the artist; patronage and politics; individual work of art. This structure will introduce students to approaching works of art in context. This course is designed for non-Art majors and may not be taken by Art majors for credit. May be taken as a Cultural Studies elective. (Fall, Spring)

#### 2361 Art History: Ancient Through Medieval

This is a representative survey of the visual arts from the earliest civilizations in the Middle East and Europe to the late medieval period preceding the Renaissance. The historical context of the civilizations that produced these images will also be discussed. Students should obtain an understanding of the formal, intellectual, and spiritual values of these early monuments that constitute a fundamental part of our cultural heritage. May be taken as a Cultural Studies elective. (Fall, Spring)

#### 2362 Art History: Renaissance to Modern

This is a survey of Western art from the early Renaissance to the Twentieth Century. It considers the formal, intellectual, and spiritual values within Western art during the last seven centuries. Discussions will also focus on the historical and social contexts underlying the creative process in Western civilization. May be taken as a Cultural Studies elective. (Fall, Spring)

#### 3350 Latin American Art: 20th Century

This course explores the art of the modern era (1820 to 1980) in the Caribbean and South America. This course considers the establishment of the art academies in Latin America during the latter part of the 19th Century and the shift away from academic painting in the 1920s. This course will also analyze the change in the

## VII. DESCRIPTION OF COURSES

1930s to indigenismo and social subjects; abstraction; surrealism; Indo-Americanism and Afro-Caribbean identity in the 1940s; concrete-optical-kinetic movements in the 1950s and 1960s, and Latin American women artists of the 1970s and 1980s. May be taken as a Cultural Studies elective. Prerequisites: ARTS 2361 and 2362. (As needed)

### 3357 History of Photography

In this course students will learn the history of photography from the time before the invention of photography, when the camera obscura was in use, to the present. Both the technological advances and the changing aesthetics of the medium will be considered. May be taken as a Cultural Studies elective. (Fall)

### 3360 Survey in Contemporary Art

This is a survey of contemporary art from Impressionism to the present through an examination of the ways in which artists have interpreted or responded to the world and the human condition. This course takes into consideration the kinds of physical, psychological, cultural and temporal realities that are recognized and/or constructed by modern artists. Prerequisite: ARTH 2362 May be taken as a Cultural Studies elective. (Fall)

### 3363 Native American Art: Pueblo, Moundbuilders, and Archaic

This course studies the art of the indigenous Archaic, Moundbuilder, Southeast, and Pueblo people of North America from Pre-European through the Historic Era. May be taken as a Cultural Studies elective. (as needed)

### 3364 Native American Art: Plains, Athapaskan, Pacific Coast

This course studies the art of the North American Athapaskan, Plains, Northwest Coast, California, and Far North peoples. May be taken as a Cultural Study elective. (as needed)

### 3375 Aesthetics: Philosophy of Art and Beauty

This course is a philosophical examination of the world and nature of art and the nature and significance of aesthetic experience. Topics may include the definition of art, the idea of beauty, aesthetic value and experience, the nature of the creative process, form versus content, expressiveness, symbolism, the role of theory in aesthetics, art criticism, art and religion, art and morality, art and science, and art and the community. Prerequisite: PHIL 1381. May be taken as a Cultural Studies elective. Cross reference with PHIL 3375. (Spring or as needed)

### 4350 Modern Art of Mexico

This course will cover the modern art of Mexico beginning with the Mexican Academy (post Independence) to 20th Century art of the 1980s including the art of Rocio Maldonado, Julio Galan, and Nahum Zenil. The course considers the shift away from academic painting in the 1920s when artists (and writers) sought to modernize their cultural image, the change in the 1930s to social subjects especially during the muralist movement, the alternative ideology of Tamayo, surrealism in the 1940s, the architecture of the 1950s, the group “nueva presencia,” neofiguration, and finally the art of the 1980s in which identity and sexuality play a

## VII. DESCRIPTION OF COURSES

role. Prerequisites: ARTH 2361 and 2362. May be taken as a Cultural Studies elective. (As needed)

### 4360 Issues in Contemporary Art

This is a study of contemporary art from 1940 to the present through an examination of major developments in architecture, painting, and sculpture. This course takes into consideration the breakdown of formal boundaries among media and between the arts following the onset of modernism and the implications of the economic, political, and cultural shifts in power in Europe and the United States. Prerequisite: ARTH 2362. May be taken as a Cultural Studies elective. (Spring)

## ART (ARTS)

[Program Description, page 98]

### 1301 Drawing I

Students will learn basic drawing techniques through depicting a variety of subjects in various media. 5 studio hours a week. Fee. (Fall, Spring, Summer)

### 1311 Design I

In this course students will examine elements of 2-D design, including the elements of art and the principles of organization, and practice in their use. Course meets for 5 studio hours a week. Fee. (Fall, Spring)

### 2301 Drawing II

Continuation of ARTS 1301. 5 studio hours a week. Fee. Prerequisite: ARTS 1301. (Fall, Spring, Summer)

### 2311 Design II

In this course students will examine Elements of 3-D design, including the ideas, materials and techniques related to sculpture, and practice in their use. Course meets for 5 studio hours a week. Fee. Prerequisite: ARTS 1311 (Spring)

### 2320 Painting I

This studio course investigates the potential of painting media for descriptive and expressive possibilities. Emphasis will be placed on the development of fundamental techniques, color theory, composition and the promotion of critical thinking skills. 5 studio hours a week. Fee. (Fall, Spring)

### 2342 Ceramics I

In this course, students apply design in the ceramic medium and learn basic ceramic skills such as hand building, glazing, and the rudiments of wheel throwing. 5 studio hours a week. Fee. (Fall, Spring)

### 2351 Printmaking I

In this course students will learn to apply block printing, etching, and related techniques. 5 studio hours a week. Fee. (Fall, Spring)

## VII. DESCRIPTION OF COURSES

### 2357 Photography I

In this course, students apply the principles of design in black and white photography. Instruction in the use of camera and darkroom equipment. Fee. May be taken as a Cultural Studies elective. (Fall, Spring)

### 2361 Sculpture I

Students will learn basic sculptural techniques, concepts, and materials such as model making, plaster casting, carving, and wax casting. Students will also be introduced to the rudiments of welding. 5 studio hours a week. Fee. (Fall, Spring)

### 3300 Color Theory for Artists

In this course students will examine the properties of color based on the research of Josef Albers, including the effects of light on color perception, color changes as determined by context, color intensity, color's spatial properties, deliberate color discord and more. Pre-requisite: ARTS 1311. Fee. (as needed)

### 3321 Painting II

Continuation of Painting I. 5 studio hours a week. Fee. Prerequisite: ARTS 2320. (Spring, Summer)

### 3331 Ceramic Sculpture

This course allows students to study creative exploration of the clay sculpture techniques of coil, solid cutaway, slab and casting. 5 studio hours a week. It may be repeated for credit. Fee. Prerequisites: ARTS 1301, 1311, 2301, 2311 or permission of instructor. (As needed)

### 3342 Ceramics II

This course places special emphasis on advanced building techniques, more complex throwing problems, advanced glazing techniques, and reduction firing of glazes using a gas kiln as well as electric kilns. 5 studio hours a week. Fee. Prerequisite: ARTS 2342 (Fall, Spring)

### 3352 Printmaking II

Continuation of ARTS 2351. Five studio hours a week. Fee. Prerequisite: ARTS 2351. (Spring)

### 3358 Digital Photography

Digital photography is a process for creating images using the controlled reaction of light and a photoelectric microchip followed by computer manipulation. This is a studio art/graphic production course providing the student an opportunity to explore the contemporary uses of digital photography in artistic and graphic design production. Two and one-half studio hours a week. Fee. May be taken as a Cultural Studies elective. (Summer, Fall, Spring)

### 3360 Photography II: Documentary Photography

In this course students study and create photographs within the context of straight, black and white documentary photography. Included in the course are a consideration of the difficulty of photographing objectively, a study of image and

## VII. DESCRIPTION OF COURSES

text to create a document, and an investigation of the personal document. Prerequisite: ARTS 2357. Five studio hours a week. Fee (Fall). May be taken as a Cultural Studies elective.

### 3361 Sculpture II

Students will expand on an accumulated base of sculptural and other artistic techniques through additional training in welding, woodworking, casting, and other complex sculptural methods and styles. Five studio hours a week. Fee. Prerequisite: ARTS 2361 (Fall)

### 3365 Photography II: Directorial Photography

In this course students study and create photographs within the context of directorial photography. The Directorial Mode in photography, as defined by photo scholar A.D. Coleman, is that photographic approach in which the photographer acts as director to create an image that is not found ready-made in the real world, and would not have existed had the photographer not constructed/created it. Included in the course are a consideration of the history of the Directorial Mode from the beginnings of photography to the present, and a creation of directorial images. These include still life, posed portraits, photographic assemblage/construction, and tableaux. Prerequisite: ARTS 2357. Five studio hours a week. Fee. (Spring) May be taken as a Cultural Studies elective.

### 3367 Landscape Photography

In this course students will study and create landscape photographs. Students will work with the instructor in the classroom setting and in field experience to gain knowledge of photographic traditions in the landscape genre. Students will study the photographic media and formats associated with landscape photography, and will produce a portfolio of landscape photographs. Five studio hours a week plus outside assignments. May not be repeated for credit. Fee. (As needed)

### 3381 Creative Development in Art

This course studies creative art activities, materials, guidance, and motivation applicable to children's art. (As needed)

### 3382 Group Studio Management

In this course, students learn techniques, organization, materials, equipment, and guidance applicable to the management of adolescent and adult group studios. (As needed)

### 3383 Community Art Programs for Children

This course is an internship in community art programs. Prerequisites: ARTS 3381 and Senior standing as an Art major as well as permission of instructor. (As needed)

### 3384 Community Art Programs for Adolescents and Adults

This course is an internship in community art programs. Prerequisites: ARTS 3382 and Senior standing as an Art major as well as permission of instructor. (As needed)

## VII. DESCRIPTION OF COURSES

### 3390 Junior Studio

In this course students will create a portfolio in a single discipline. Students will work individually with the instructor to identify their discipline concentration and determine the number of works to be made. Class time will consist of individual critiques of the work being made. Fee. Prerequisite: Junior or Senior standing as an art major. (As needed)

### 4327 Advanced Projects in Painting

This course provides concentrated studio study with an emphasis on the pursuit and development of a strong, personal aesthetic statement and an individual approach to the use of the medium of painting, including experimentation in various methods of paint application. 5 studio hours a week. May be repeated for credit. Prerequisite: ARTS 3321. Fee. (As needed)

### 4344 Advanced Projects in Ceramics

This course introduces students to more challenging aesthetic and decorative situations. The student will be encouraged to begin to develop a unique style, working with the instructor to learn the advanced skills needed to accomplish this. 5 studio hours a week. Fee. Prerequisite: ARTS 3342 (As needed) May be repeated for credit.

### 4355/4655 Museology

Students experience working in museums under the guidance of a museum staff member and a faculty advisor. Six hours per week. (Museology may be taken for a total of six semester hours either as 4655 or taken twice as 4355). Prerequisites: Senior standing as an Art major with a minimum of 9 semester hours in Art History and permission of the Chair of the Art Department. (Fall, Spring)

### 4357 Advanced Projects in Photography

This course provides concentrated studio study with an emphasis on the pursuit and development of a strong, personal aesthetic statement and an individual approach to the use of the medium, including experimentation in multiple processes. 5 studio hours a week. May be repeated for credit. Prerequisite: ARTS 3360 or ARTS 3365. Fee. (Fall, Spring)

### 4360 Art Photography: Manipulated Images

In this course students study and create photographs altered by hand manipulation. This course will consider the history of manipulated images and the application of diverse techniques, including toning, selective toning, hand coloring, altering/scratching the negative, sequence composites, and cyanotypes. 5 studio hours a week. Fee. Prerequisite: ARTS 2357. May be taken as a Cultural Studies elective. (As needed)

### 4362 Advanced Projects in Sculpture

This course provides concentrated studio study with an emphasis on the pursuit and development of a strong, personal aesthetic statement and an individual approach to the use of the medium, including experimentation in multiple

## VII. DESCRIPTION OF COURSES

processes. Five studio hours a week. May be repeated for credit. Fee. Prerequisite: ARTS 3361 (As needed)

### 4365 Painting and Drawing the Human Figure

This advanced level course is designed to further strengthen painting and drawing skills. Emphasis is placed on the creative exploration of the human figure as subject matter. Five studio hours a week plus outside assignments. May be repeated for credit. Fee. (As needed)

### 4370 Advanced Projects in Drawing

Continuation of ARTS 2301 with more emphasis on individual specialization. 5 studio hours a week plus outside assignments. May be repeated for credit. Prerequisite: ARTS 2301. Fee. (Fall, Spring, Summer)

### 4371 Advanced Projects in Printmaking

This course provides concentrated studio study with an emphasis on the pursuit and development of a strong, personal aesthetic statement and an individual approach to the use of the medium of printmaking, including experimentation in various methods of printmaking. 5 studio hours a week. May be repeated for credit. Prerequisite: ARTS 3352. Fee. (As needed)

### 4380 Topics in Drawing

This course provides concentrated studio study on a topic in the discipline of drawing. Five studio hours per week plus outside assignments. May be repeated for credit as long as a different topic is addressed each time. Fee. (As needed)

### 4382 Topics in Painting

This course provides concentrated studio study on a topic in the discipline of painting. Five studio hours per week plus outside assignments. May be repeated for credit as long as a different topic is addressed each time. Fee. (as needed)

### 4383 Topics in Printmaking

This course provides concentrated studio study on a topic in the discipline of printmaking. Five studio hours per week plus outside assignments. May be repeated for credit as long as a different topic is addressed each time. Fee. (as needed)

### 4385 Topics in Photography

This course provides concentrated studio study on a topic in the discipline of photography. Five studio hours per week plus outside assignments. May be repeated for credit as long as a different topic is addressed each time. Fee. (As needed)

### 4386 Topics in Ceramics

This course provides concentrated studio study on a topic in the discipline of ceramics. Five studio hours per week plus outside assignments. May be repeated for credit as long as a different topic is addressed each time. Fee. (as needed)



## VII. DESCRIPTION OF COURSES

### 4387 Topics in Sculpture

This course provides concentrated studio study on a topic in the discipline of sculpture. Five studio hours per week plus outside assignments. May be repeated for credit as long as a different topic is addressed each time. Fee. (as needed)

### 4388 Internship in Photography

In this course students will acquire hands-on knowledge of professional photographic practices through internship with a professional photographer. Classes will take place at a photographic studio. Skills in the following topics will be refined: lighting, studio management, processing, printing, and digital photography. Six hours per week. Prerequisites: ARTS 1311, ARTS 2357, ARTS 3358, ARTH 3357, ARTS 3360 or 3365, and permission of the Chair of the Art Department. (as needed)

### 4389 Internship in Art in the Non-Profit Sector

In this course students will acquire hands on knowledge of professional practices in the art sector through internship with an arts professional at a non-profit arts institution under the guidance of a faculty advisor. This course will provide training in the following areas: non-profit funding, budgets, and grants writing; arts marketing and PR; curatorial practices, programming and program assessment; exhibition planning, installation, and labeling. Six hours per week. Prerequisites: ARTH 2361, ARTH 2362, and Senior standing as an art major as well as permission of the Chair of the Art Department. (Fall, Spring)

### 4390 Senior Capstone

In this course students study and critique exhibitions, examining the idea of the individual object, the object in series and in sequence. Reading and writing about contemporary art, as well as participation in the art world through practical application is required. The culmination of this course will be the students' creation, installation, exhibition and critique of their own artwork. Fee. Prerequisite: ARTS 3390. (Spring)

## ATHLETIC TRAINING EDUCATION (ATHP)

(for program description see page 209)

### 1170 Athletic Training Clinical Experiences I

This course is designed to challenge students through the use of competency-based modules and participation in clinical opportunities related to the athletic training clinical skills taught as part of the pre-requisite courses and admission requirements for entry into the Athletic Training Education Program. Through the use of weekly in-class classroom discussions, the completion of structured modules and the exposure of various clinical experiences, the student will review, enhance, and polish the knowledge and skills taught as an entry-level athletic training student. Fee. Prerequisite: Admission into the Athletic Training Education Program.

### 1211 Medical Terminology for Healthcare Profession

This course presents a study of basic medical terminology. Prefixes, suffixes, word roots, combining forms, special endings, plural forms, abbreviations, and

## VII. DESCRIPTION OF COURSES

symbols are included in the content. A programmed learning, word building system will be used to learn word parts that are used to construct or analyze new terms. This provides the opportunity to decipher unfamiliar terms and check their spelling. Emphasis is placed on spelling, definition, usage and pronunciation. Abbreviations will be introduced as related terms are presented. This course will also develop medical terminology according to particular areas of the body.

### 1310 Introduction to Athletic Training

This course is designed to introduce the student to the profession of athletic training by reviewing its' history and defining the roles and responsibilities of the athletic trainer. Particular emphasis is placed upon the prevention of injuries to athletes and physically active individuals in the areas of conditioning, protective equipment fitting, pre-participation screening, and environmental risk factor control. The student will also become familiar with common medical and human anatomical terminology and injury mechanisms. (Spring)

### 2170 Athletic Training Clinical Experiences II

This course is designed to challenge students through the use of competency-based modules and supervised clinical field experiences that will review, enhance, and polish the knowledge and skills taught in previous athletic training didactic courses and related to actual clinical applications. The focus of this clinical application will be taping and bandaging, anatomical understanding and emergency preparation. Prerequisite: Completion of First Semester Majors Courses

### 2301 Emergency and Medical Aspects in Athletic Training

This course includes an in-depth investigation of emergency and medical aspects needed by the professional during the initial phases of physical injury and disease. This course offers an emphasis on the first aid and pre-hospital care of an injured individual. The primary focus will be injuries and conditions that occur from participation by a physically active population. Prerequisite: Admission into Athletic Training Education Program. (Fall)

### 2305 Functional Anatomy and Muscle Testing

This course includes an in-depth advanced review of anatomical and physiological processes needed by the professional to understand underlying tissues and movements from the standpoint of physical injury, assessment and rehabilitation. This course offers a detailed review of each body segment related to athletes and the physically active; skeletal framework, articulation, musculature, innervation, and how each affects body position and movement during activity. Prerequisite: Admission into Athletic Training Education Program. (Fall)

### 2310 Orthopedic Injuries and Athletic Conditions

This course includes an in-depth look at injuries and conditions as they relate to the systems of the human body. Areas to be covered include the mechanism, clinical signs and symptoms, and common treatment and care. Course will also provide student with a foundation in tissue healing following an injury. Prerequisite: Admission into Athletic Training Education Program. (Fall)

## VII. DESCRIPTION OF COURSES

### 2315 Evaluation of Injuries and Conditions to the Trunk and Lower Extremities

This course includes an in-depth inquiry into the anatomical and physiological process associated with the occurrence of injuries to athletes and physically active individuals. By recognizing the signs and symptoms and then interpreting results of special tests, the student will develop techniques and methods with which to accurately evaluate and determine the extent of the injury sustained. This course focuses on the evaluation process for injuries and conditions to the thorax, abdomen, lumbar spine, hip and lower extremities. (Spring)

### 2320 Evaluation of Injuries and Conditions to the Head, Neck and Upper Extremities

This course includes an in-depth inquiry into the anatomical and physiological process associated with the occurrence of injuries to athletes and physically active individuals. By recognizing the signs and symptoms and then interpreting results of special tests, the student will develop techniques and methods with which to accurately evaluate and determine the extent of the injury sustained. This course focuses on the evaluation process for injuries and conditions to the head, face, cervical spine, and upper extremities. (Fall)

### 2341 Pharmacological Issues in Athletic Training

This course covers the general principles of pharmacology as it relates to the athletic and physically active population. Course will discuss use, misuse and abuse of social drugs, ergogenic aids, prescription medications, and over-the-counter drugs in athletic and physically active populations. Prerequisite: Completion of Second Semester Majors Courses (Fall)

### 3170 Athletic Training Clinical Experiences III

This course is designed to challenge students through the use of competency-based modules and supervised clinical field experiences that will review, enhance, and polish the knowledge and skills taught in previous athletic training didactic courses and related to actual clinical practice applications. The focus of this clinical application will be treatment plan design and application and the identification and evaluation of lower extremities injuries. Prerequisite: Completion of Second Semester Majors Courses

### 3310 Pathology of Body Systems

This course covers the pathophysiology of prominent acute and chronic diseases of the major body systems. Students study the interdependency of body systems and the conditions that affect human health and well-being. Other topics include common risk factors associated with these conditions, as well as their response to, and impact on, physical activity. Prerequisites: Admission into the Athletic Training Education Program (Fall).

### 3320/3120 Therapeutic Modalities with Lab

This course focuses on the theory, principles, and physiological effects of various therapeutic modalities used in the treatment of orthopedic injuries and athletic conditions. The indications, contraindications, and operational protocols of electrical stimulating currents, infrared modalities, ultrasound, short-wave and

## VII. DESCRIPTION OF COURSES

microwave diathermy, ultraviolet therapy, traction, intermittent compression devices and therapeutic massage will be addressed. Laboratory experiences will be used to supplement classroom instruction. (Spring)

### 3330/3130 Therapeutic Rehabilitation with Lab

This course focuses on the theory and operation of various contemporary methods of therapeutic exercise in the rehabilitation of orthopedic injuries and athletic conditions. Students will be introduced to manual and mechanical testing and other primary components of a rehabilitation plan, to include determining therapeutic goals, progress, and the criteria to return to athletic participation. (Spring).

### 3340 Organization and Administration of Athletic Training

This course addresses the organizational and administrative aspects of athletic training program management for various employment settings. Course topics include athletic health care administration and guidelines, human resource management, legal and ethical issues, financial and fiscal management, facility design, information management, professional development, and promotion of the athletic training profession. Prerequisites: Completion of Third Semester Majors Courses (Spring)

### 4170 Athletic Training Clinical Experiences IV

This course is designed to challenge students through the use of competency-based modules and supervised clinical field experiences that will review, enhance, and polish the knowledge and skills taught in previous athletic training didactic courses and related to actual clinical practice applications. The focus of this clinical application will be treatment plan design and application, and the identification and evaluation of upper extremity injuries. Prerequisite: Completion of Third Semester Courses

### 4190 Athletic Training Clinical Experiences V

This course is designed to challenge students through the use of competency-based modules and supervised clinical field experiences that will review, enhance, and polish the knowledge and skills taught in previous athletic training didactic courses and related to actual clinical practice applications. The focus of this clinical application will be the rehabilitation plan design and application and the identification and evaluation of athletic injuries. Prerequisite: Completion of Fourth Semester Majors Courses

### 4191 Athletic Training General Medical Field Experience

This course is designed to provide the student with supervised clinical field experiences that will review, enhance, and polish the general medical knowledge and skills used in actual clinical applications. Prerequisites: Completion of Fourth Semester Majors Courses.

### 4388 Internship in Athletic Training

This course will introduce the student to various administrative tasks and skills the athletic trainer is faced with on a daily basis. The student will meet with professionals in the athletic training field under various off-campus situations and

## VII. DESCRIPTION OF COURSES

will discuss various athletic training philosophies and begin to gain experiences that allow them to exhibit entry-level behaviors and to develop consistent characteristics. Prerequisites: Program Director Approval (Fall, Spring).

### 4390 Capstone: Mock Testing

This course will provide the student with an additional method of preparing for the National Board of Certification examination and/or the Texas licensure examination. The course material will be composed of material that has been covered in the previous athletic training courses. A series of worksheets pertaining to competency based modules and research topics will be covered as a cumulative review of previous classes. Prerequisites: ATHP 4170 and concurrent enrollment in ATHP 4190 (Fall)

## BIOLOGY (BIOL)

[Program Description, page 190]

### 1401 Diversity of Life and Laboratory

This course studies the diversity of living organisms, structure and function of plants and animals, ecology, and evolution. It provides a foundation for advanced courses in Biology, but also serves as the science core requirement. Fee. (Fall, Spring, Summer)

### 1402 Unity of Life and Laboratory

This course studies the characteristics of living organisms, cell theory, metabolism, and genetics. A foundation for advanced courses in Biology and is required of Biology majors. Prerequisites: CHEM 1301, 1101. Fee. (Fall, Spring, Summer)

### 2121 and 2122 Anatomy and Physiology Laboratory I/II

This course serves to clarify material from the corresponding lectures. Fee. (Fall, Spring, Summer)

### 2321 Anatomy and Physiology I

This course covers the first half of a two semester sequence on the structure and function of the human organism. The purpose of this course is to familiarize students with the levels of organization; the relationship of structure to function; cell structure, growth, and metabolism; cell transport mechanisms; protection and temperature regulation; support and movement; and the integration and control functions of the human body. (Fall, Spring, Summer)

### 2322 Anatomy and Physiology II

This course covers the second half of a two-semester sequence on the structure and function of the human organism. The purpose of this course is to familiarize students with the endocrine system, circulation, immunity, respiration, digestion, urinary system, homeostasis of acid, base, and fluids, reproduction, and development. (Fall, Spring, Summer)

## VII. DESCRIPTION OF COURSES

### 2431 Human Physiology for Pharmacy Practice

This course examines the functions of the human organism. It is designed for students enrolled in the Pre-Pharmacy Program. Lecture and Laboratory. Fee.

### 2474 Introductory Microbiology and Laboratory

This course is designed for students in Nursing, Nutrition, and pre-pharmacy majors who are not Biology majors. It describes microorganisms, their characteristics, isolation, growth, and application to public health, foods, and industry. Prerequisite: CHEM 1302 or CHEM 1320. Fee. (Fall, Spring)

### 3410 Research in Soil Conservation and Laboratory

Soil Conservation involves the study of social, environmental, and economic value of soil, and the processes related to soil degradation. This course includes an examination of the basic principles of soil conservation and associated use of best management practices, and a study of the technological advances that can be utilized to keep our soil resources sustainable. Lecture and Laboratory. Fee. (Spring)

### 3411 Cell Biology and Laboratory

This course describes the structure and function of animal and plant cells, with emphasis on molecular biology. Prerequisites: BIOL 1402, CHEM 1302. Fee. (Fall, Spring)

### 3430 Structure and Function of Animals and Laboratory

This course studies the functional anatomy and physiological processes in animals by comparing different animal groups, evolutionary history of animals' phyla, structural adaptations of animals, and the relationship of these modifications to different habitat and environmental conditions. Prerequisite: BIOL 1402, CHEM 1302 or permission of the instructor. Fee. (Fall)

### 3442 Ecology and Laboratory

This course studies the biological and physical environments, and the dynamic relationships of populations and communities. Prerequisite: BIOL 1401. Fee. (Fall, Spring)

### 3461 Genetics and Laboratory

This course studies the principles of heredity and their application to model systems and biotechnology. Student-directed activities include case studies analysis, laboratory and inquiry studies, and a research paper. Prerequisite: BIOL 1402, CHEM 1302 or permission of the instructor. Fee. (Fall, Spring)

### 3471 General Microbiology and Laboratory

This course is designed for biology and nutrition majors. The morphology, taxonomy, metabolism, and molecular biology of microbial cells and viruses will be presented. Prerequisite: BIOL 1402, CHEM 1302. Fee. (Fall, Spring)

## VII. DESCRIPTION OF COURSES

### 4151 Biochemistry Laboratory

This course is an introduction to the fundamental laboratory techniques, methods, instrumentation, and calculations used in Biochemistry laboratories, and amplifies material learned in Biochemistry lectures. Cross-referenced as CHEM 4151. Co-requisite: BIOL/CHEM 4351. Fee (Fall)

### 4190 Laboratory Assistant

This course provides students with experiences in either (1) laboratory instruction and peer-mentoring or (2) laboratory research protocols under the supervision of a faculty member. Instructor permission required.

### 4320 Neurobiology

This course offers an introduction to neuroscience. The course includes neuronal structure and physiology, neurotransmitter systems, sensory and motor systems, and behavior. Motivation, hormone action, and emotions are also covered. Prerequisites: BIOL 1402, CHEM 1302, and either BIOL 2321 or BIOL 3430. (Fall, even-numbered years).

### 4344 Evolution and Systematics

This course examines classification principles, evolutionary patterns, mechanisms, and processes for change over time of plants and animals. Prerequisite: BIOL 1402, CHEM 1302 or permission of the instructor. Fee. (Spring)

### 4351 Biochemistry I

This course is the first part of a two course sequence covering introductory Biochemistry, and studies the structure and function of key biomolecules (proteins, lipids, and nucleic acids), enzymes, membranes, and molecular biology. Cross-referenced as CHEM 4351. Note that concurrent enrollment in CHEM/BIOL 4151 is not required for enrollment in CHEM/BIOL 4351. Prerequisites: CHEM 2312 and BIOL 1402 (or equivalents) with grades of C or higher. (Fall, Spring)

### 4352 Biochemistry II

This course is the second part of a two course sequence covering introductory Biochemistry, and studies the structure and function of carbohydrates, bioenergetics, intermediary metabolism, and the role of enzymes, vitamins, and cofactors in metabolism. Cross-referenced as CHEM 4352. Note that concurrent enrollment in CHEM/BIOL 4151 is not required for enrollment in CHEM/BIOL 4352. Prerequisites: CHEM/BIOL 4351 (or equivalents) with grades of C or higher. (Fall, Spring)

### 4370 Molecular Biology

This course presents the structure, expression, replication, and recombination of nucleic acids (DNA and RNA). The interaction of proteins with DNA will be presented. The organization of genes in the genomes of viruses, bacteria, yeast and animals will be discussed. Current methods of recombinant DNA technology will be presented. Applications of technologies of molecular biology will be discussed. Prerequisites: BIOL 3411 (Fall, odd-numbered years)

## VII. DESCRIPTION OF COURSES

### 4375 Medical Microbiology

This course presents the mechanisms of host defense, pathogenesis, and antimicrobial therapy. Medically important viruses, bacteria, fungi, protozoa, helminthes are surveyed. Characteristics of infectious diseases are examined. Prerequisite: BIOL 3471 (Spring, Even-numbered years)

### 4377 Research in Behavioral Physiology

This course is an upper division research course for biology majors. We will cover the physiology and behavior of electric fish, focusing on the South American knifefish. Students will read assigned scientific research papers for background information, design experiments, prepare research proposals and carry out their experiments working in groups. They will also analyze and report their results in the form of a final research paper and oral presentation. Instructor permission required. (Spring)

### 4380 Virology

The course presents the structure, replication, and properties of viruses. the molecular organization of the genomes of viruses will be analyzed. Current methods of recombinant DNA technology in the study of viruses will be presented. Applications of those technologies and their ethical and legal considerations will be discussed. The interaction of viruses with host immune systems will be presented. Chemotherapeutic treatment of viral infections and vaccination will be evaluated. Prerequisites: BIOL 3411 or BIOL 3471 (Fall, even-numbered years)

### 4385 Immunology

This course presents the function of the immune system with regard to innate immunity, the recognition of foreign antigens, the development and function of lymphocytes, and the health consequences of immune failure. Prerequisites: BIOL 3411, Cell Biology, or BIOL 3471, General Microbiology. Fee. (Spring, odd-numbered years)

### 4415 Geographic Information Systems in Biology

Geographic Information Systems (GIS) in Biology is a computer assemblage that has the capability to create a comprehensive database with many layers of information. The assemblage provides visualization of spatial patterns by cross-referencing different layers of information. This course will concentrate on GIS applications in Biology. Prerequisite: BIOL 1402, CHEM 1302 or permission of the instructor. Cross-listed with ENSC 4415. Fee.

### 4420 Vertebrate Zoology and Laboratory

This course studies the evolutionary history and patterns of distribution of vertebrates and their structural and behavioral adaptations. Prerequisite: BIOL 1402, CHEM 1302 or permission of the instructor. Fee. (Spring, even-numbered years).

### 4430 Animal Behavior and Laboratory

This course in an upper division course for biology (or related) majors that covers the evolution of animal behavior. Topics covered include the development of behaviors, control and organization of behavior, and the evolution of behaviors



## VII. DESCRIPTION OF COURSES

related to survival, feeding, communication, reproduction, parental care and sociality across a wide variety of animal taxa. Laboratory exercises will reinforce concepts presented in the lecture. Prerequisite: BIOL 1401 (Spring, odd-numbered years)

### 4450 Entomology and Laboratory

This broad survey of sub disciplines within entomology covers beneficial and harmful aspects of insects, including production of silk and honey, agricultural pests, household and structural pests, and those insects that are of medical and veterinary importance because they transmit diseases; and toxicology of insecticides and pest management by biological control. Students collect, pin, and identify insects in the laboratory. BIOL 1402, CHEM 1302 or permission of the instructor. Fee. (Fall)

### 4460 Research in Water Quality

Applied biological and hydrological studies of the stream and associated flood plain environment including plant and macro-invertebrate survey, stream flow analysis, water chemistry and applications of Geographic Information systems (GIS) for accurate mapping and detailed field data recording. Evaluation of current and potential point and non-point sources of water pollution and introduction into environmental impact analysis. Prerequisites: Senior level Biology, Chemistry, Environmental Science majors. Other students who wish to enroll in the course must have permission from the instructor, and have completed at least 18 credit hours of introductory and advance course work in Biology, or Chemistry, or Geology. Fee. (Fall)

### 4480 Research in Behavioral Physiology

This course offers an introduction to the study of hormones and behavior. The course will cover the endocrine system, and how hormones affect behavior from the level of individual neurons, to complex behaviors of an entire organism. Also covered will be different classes of hormones and their actions in a variety of organisms, with particular attention to current research models. The accompanying laboratory is mandatory and will incorporate recent research articles as students participate in experimental design and data analysis. Prerequisites: BIOL 1402, CHEM 1302, and either BIOL 2322 or BIOL 3430 (Fall, odd numbered years)

### 4482 Aquatic Biology and Laboratory

This course provides field-based investigations of the freshwater habitat and its flora and fauna. Ponds, lakes and streams are characterized. Extensive fieldwork is required. May be approved for graduate credit. Prerequisite: BIOL 1402, CHEM 1302 or permission of the instructor. Fee. (Spring, even-numbered years)

### 4498 Independent Studies in Molecular, Cellular or Organismal Biology

Offered on an “as needed” basis. Prerequisite: Permission of the instructor. Fee.

### 4499 Selected Topics

Offered on an “as needed” basis. May be repeated for credit when topics vary. Fee

## VII. DESCRIPTION OF COURSES

### BUSINESS: ACCOUNTING (ACCT)

[Program Description, page 163]

#### 2301 Accounting for Non-Business Majors

An introduction to financial and managerial accounting with special emphasis on the use of accounting products. (Fall, Spring)

#### 2311 Principles of Accounting I

The basic principles, concepts, and methods used in the generation of accounting data for financial statement preparation and interpretation. Asset, liability, and owner's equity valuation and their relationship to income determination. (Fall, Spring)

#### 2312 Principles of Accounting II

Continuation of ACCT 2311, but with emphasis on the use of accounting information for management planning, leading, controlling, and decision making through budgeting, cost and variance analysis, and responsibility accounting. Prerequisite: ACCT 2311. (Fall, Spring)

#### 3311 Intermediate Accounting I

Principles underlying financial statements and accounting theory. Prerequisite: ACCT 2312. (Fall)

#### 3312 Intermediate Accounting II

Continuation of ACCT 3311; accounting theory and special accounting problems. Prerequisite: ACCT 2312 (Spring)

#### 3313 Cost Accounting

Cost determination and cost accounting systems for planning and control. Prerequisite: ACCT 2312. (Spring)

#### 3315 Federal Income Tax I

Introduction to income tax theory with special emphasis on the problems of individuals. Prerequisite: ACCT 2311. (Fall)

#### 3316 Taxation of Entities

The basic principles, concepts and methods used to obtain an understanding of income taxation of corporations, partnerships, estates and trusts. Prerequisite: ACCT 2311. (Spring)

#### 3317 Accounting Systems

Introduction to computerized systems used to process accounting transactions. Prerequisites: ACCT 2312, and BINF 2321. (Fall)

#### 3318 Fraud Examination

How and why occupational fraud is committed, how fraudulent conduct can be deterred, and how allegations of fraud should be investigated and resolved. (Spring)

## VII. DESCRIPTION OF COURSES

### 3319 Internship in Accounting

Practical experience in professional accounting through monitored work. Prerequisites: minimum 3.0 GPA; 12 hours in accounting and permission of instructor. (Fall, Spring, Summer)

### 3321 Advanced Federal Income Tax

Advanced Federal Income Tax focuses on U.S. taxation beyond the basic taxation issues, concepts, research and practices. Prerequisite ACCT 3315. (Spring)

### 3345 International Accounting

A survey of the financial accounting, managerial accounting, and tax problems of multinational organizations. Prerequisites: ACCT 2312, and BINT 3331. (Fall) Cross-listed with BINT 3345.

### 4311 Advanced Accounting

Consolidations and consolidated financial statements, inter-company and branch transactions, partnerships and definitions of terms in the accounting equation. Prerequisite: ACCT 3311 and ACCT 3312.

### 4313 Accounting for Non-Profit and Government Entities

Accounting, financial reporting, and budgeting for governmental and other nonprofit organizations. Prerequisite: ACCT 2311. (Spring)

### 4314 Auditing

Auditing theory, professional ethics, audit programs, and professional reports. Prerequisite: ACCT 3311 or ACCT 3312. (Fall)

### 4318 Ethics for Accounting and Business

Examination of social problems and the role of business in their solution. Includes ethical reasoning, integrity, objectivity, independence, other core values and Rules of Professional Conduct of the accounting profession. Prerequisite: Junior Standing.

## BUSINESS: BANKING AND FINANCE (BFIN)

[Program Description, page 164]

### 3319/3619 Internship in Banking

Practical experience in the banking industry through monitored work experience. Prerequisites: minimum 3.0 GPA; 12 hours in BFIN and permission of instructor. (Fall, Spring)

### 3321 Principles of Financial Management

Basic financial concepts employed by management. Emphasis is on the decision-making processes followed by corporate financial managers. Topics include the time value of money, financial planning, capital budgeting, cost of capital. Prerequisite: ACCT 2311, ECON 2301, and ECON 2302. (Fall, Spring)

## VII. DESCRIPTION OF COURSES

### 3322 Intermediate Financial Management

Examination of financial theory and practice. The course goes into more depth on topics covered in principles of financial management. Prerequisites: BFIN 3321. (Spring)

### 3324 Investments

An introduction to the concepts, terminology and theory of investment management. Emphasis is placed on the investment activities of individuals and small businesses as they apply to portfolio management. Prerequisite: BFIN 3321. (Spring)

### 3325 Money and Capital Markets

The study of financial markets including the role of financial institutions and the supply and demand for funds. There is particular emphasis on U.S. markets and institutions including the supply and demand for funds. Prerequisites: BFIN 3321. (Fall)

### 3329/3629 Internship in Finance

Practical experience in financial operations through monitored work experience. Prerequisites: minimum 3.0 GPA; 12 hours in BFIN and permission of instructor. (Fall, Spring)

### 3340 Financial Management of Non-profit Organizations

Examination of the financial and economic issues facing a non-profit organization including the time value of money, grant development and fund raising, loans, cash management and planning and budgeting. Prerequisites: ACCT 2311 (As needed).

### 3355 International Banking and Finance

International business transactions, sources of funding, relationship with international financial institutions and capital instruments. Relates international business funding to national and commercial development. Prerequisites: BINT 3331, and BFIN 3321. (Fall, Spring) Cross-listed with BINT 3355

### 4304 Management of Financial Institutions

Application of the philosophies, methods, procedures and techniques required of bank managers in a turbulent, deregulated environment. Prerequisites: BFIN 3321 (Spring)

### 4355 Capital Budgeting

Application and extension of the capital budgeting process as a tool of financial and economic analysis, planning and allocation of scarce resources, utilizing computers and spreadsheets. Prerequisite: BFIN 3321. (Fall)

### 4373 Case Studies in Financial Management

Practical exercises in solving financial management problems using case studies. Prerequisite: BFIN 3321. (Fall)

## VII. DESCRIPTION OF COURSES

### BUSINESS: BUSINESS LAW (BLAW)

#### 3317 Business Law

General principles of Business Law to include contracts, torts, agency, business organizations, and government regulation of business. (Fall, Spring)

#### 4320 International Business Law

International Business Law as it affects international business transactions. Topics may include: international trade law, environmental and labor regulation, trade agreements, international organizations, investment and finance, human rights and ethical conduct, regulation of multinational enterprises. Prerequisite: BLAW 3317 (Spring) Cross-listed with BINT 4320.

#### 4340 Labor and Employment Law

This course covers federal and state public policy and law regulation, human resource practice, issues in ethics, and employment discrimination law. Prerequisite: BLAW 3317. (Spring, odd-numbered years)

### BUSINESS: ECONOMICS (ECON)

#### 2301 Principles of Macroeconomics

Introduction to economics and the economy. Monetary and fiscal policies of the Federal government as means of achieving full employment without inflation. Alternate macroeconomic approaches to current issues. (Fall, Spring, Summer)

#### 2302 Principles of Microeconomics

Continuation of ECON 2301. Theory of product markets and resource markets. Alternate market structures are identified and evaluated, and policy for dealing with them is debated. Market theory used to develop policy for current economic problems. Prerequisite: ECON 2301. (Fall, Spring, Summer)

#### 3340 Public Finance

Economic role of governments. The choice of public sector output in a free market economy. The effects of various taxes on resource allocation, income distribution and economic stabilization. Development finance. Prerequisites: ECON 2301 and ECON 2302 (Fall)

#### 3350 Latin American Economics

Description of the socio-economic reality of Latin America. The evolution of development strategies from the Maya to the present. Current issues including international trade, structural reform, migration, debt, and the Asian crisis. Policy implications for government and business. Prerequisites: ECON 2301 and ECON 2302 (Spring) Cross-listed with BINT 3350.

#### 4310 International Economics

Introduction to the theory of international trade. Causes, benefits, and costs of trade. The foreign exchange market as a facilitator of trade. The balance of payments as a record of trade. Emphasis on current policy issues confronting the

## VII. DESCRIPTION OF COURSES

U.S. and its trading partners. Prerequisites: ECON 2301 and ECON 2302. (Fall)  
Cross-listed with BINT 4310.

### 4360 Econometrics

The application of statistical and mathematical methods to the analysis of economic data, with a purpose of giving empirical content to economic theories and verifying or refuting them. Hypothesis testing, multiple regression analysis, Ordinary Least Squares Estimation (OLS), lagged variables, logarithms and exponential functions, the specification and selection of models, diagnostic checking and recent developments in estimation techniques. Prerequisites: ECON 2301, ECON 2302, and BMDS 3370 (Spring)

## BUSINESS: INFORMATION SYSTEMS (BINF)

[Program Description, page 168]

### 2321 Introduction to Information Systems

Theory, concepts, methods, and practice in the application of information systems management, methods and technologies to achieve business goals and objectives. (Fall, Spring)

### 2325 Personal Productivity Application

Concepts, methods, and practice in the effective use of end-user productivity software and integration of desktop products. Prerequisite: COMP 1301. (Fall, Spring)

### 2328 Hardware and Systems Software

Instruction and practice in the assembly of microcomputer hardware components into a working system, in the use of operating system functions and utilities, and in the selection of hardware and software for a small business or home system. Prerequisite: COMP 1301. (Fall)

### 2330 Programming Languages I

Introduction to programming design and development emphasizing structured programming techniques: vehicle language Visual Basic.NET. Prerequisite: BINF 2325. (Fall)

### 3319 Internship in IS

Practical experience in IS through a monitored work experience. Application must be made 60 days prior to registration. Prerequisites: minimum GPA of 3.0, 12 hours in BINF and instructor permission required. (Fall, Spring, Summer)

## VII. DESCRIPTION OF COURSES

### 3330 Programming Languages II

Continuation of Programming Languages I with an emphasis on object-oriented programming methodologies and advanced language features. Prerequisite: BINF 2330. (Spring)

### 3362 Systems Analysis and Specification

This course will teach students to accomplish preliminary investigation, feasibility assessment, systems analysis and specification of business requirements for databases and information systems. Prerequisites: BINF 2321 (Fall)

### 3363 Design and Implementation of Databases and Systems

A continuation of topics introduced in BINF 3362. Students will have supervised experience in designing, developing, testing, documenting and implementing business databases and information systems. Prerequisite: BINF 3362. (Spring)

### 3367 Networks and Telecommunications

Basic telecommunications terminology and concepts. Introduction to voice and data networks, including technology, hardware, and software. Prerequisites: BINF 2321. (Spring)

### 4363 Electronic Business Strategy, Architecture and Design

This course provides an introduction to electronic business strategy and the development and architecture of electronic business solutions and their components. Prerequisites: BINF 2321 and BMGT 3340. (Fall) Cross-listed with BMGT 4363

### 4370 Project Management

This course covers the factors necessary for successful management of system development or enhancement projects. Both technical and behavioral management aspects of project management are discussed. Prerequisite: BINF 2321 and BMDS 3371, permission of instructor. (Spring) Cross-listed with BMDS 4370.

## BUSINESS: INTERNATIONAL BUSINESS (BINT)

[Program Description, page 169]

### 3319/3619 Internship in International Business

Practical experience in international operations through directed and monitored work experience. Arrangements with instructor must be made 60 days prior to registration. Prerequisites: minimum GPA: 3.0; 12 hours in BINT and permission of instructor. (Fall, Spring, Summer)

### 3331 International Business

Analysis of business opportunities and political climates, trade barriers, government incentives, currency flow and financial systems and trade practices. Emphasis on current issues and readings. Prerequisites: ECON 2302. (Fall, Spring)

## VII. DESCRIPTION OF COURSES

### 3345 International Accounting

A survey of the financial accounting, managerial accounting and tax problems of multinational organizations. Prerequisites: ACCT 2312, BINT 3331. (Fall) Cross-listed with ACCT 3345.

### 3350 Latin American Economics

Description of the socio-economic reality of Latin America. The evolution of development strategies from the Maya to the present. Current issues including international trade, structural reform, migration, debt, and the Asian crisis. Policy implications for government and business. May be taken as a Cultural Studies elective. Prerequisites: ECON 2301 and ECON 2302 and permission of instructor. (Spring) Cross-listed with ECON 3350.

### 3355 International Banking and Finance

International business transactions, sources of funding, relationship with international financial institutions and capital instruments. Relates international business funding to national and commercial development. Prerequisites: BINT 3331 and BFIN 3321. (Fall, Spring) Cross-listed with BFIN 3355.

### 3361 International Marketing

Analysis of international markets and opportunities for the international organization and the independent business person. Emphasis is on the use of data for analyzing market potential, support services of freight and insurance, and international currency movement. Discussion of current international situations, which create market potential. Prerequisite: BINT/BMKT 3331. (Fall, Spring) Cross-listed with BMKT 3361.

### 4310 International Economics

Introduction to the theory of international trade. Causes, benefits, and costs of trade. The foreign exchange market as a facilitator of trade. The balance of payments as a record of trade. Emphasis on current policy issues confronting the U.S. and its trading partners. Prerequisites: ECON 2301 and ECON 2302. (Fall) Cross-listed with ECON 4310.

### 4320 International Business Law

International Business Law as it affects international business transactions. Topics may include: international trade law, environmental and labor regulation, trade agreements, international organizations, investment and finance, human rights and ethical conduct, regulation of multinational enterprises. Prerequisite: BLAW 3317 (Spring) Cross-listed with BLAW 4320.

### 4360 Cross Border

Develops practical skills necessary for a small business owner to transact business in Mexico by providing opportunities to experience the border trade process firsthand. Includes fact-finding work to examine trade services in Laredo, San Antonio, and Mexico. Prerequisites: BINT 3331 International Business Management. (Fall)



## VII. DESCRIPTION OF COURSES

### 4380 Importing

An analysis of the importing process, sources of supply, currency implications, government regulations, and current issues affecting the importing process. Prerequisite: BINT 3331 (Spring) Cross-listed with BMKT 4380.

### 4390 International Policies and Relations

Concentrated course offered in a host country to expose students to current trade policy issues and international relations. May include Embassy speakers, visits to factories, seminars with trade specialists or study-abroad experiences. Course may be repeated for additional credit when country focus is different. Fee. Prerequisite: BINT 3331. (Spring)

### BUSINESS: MANAGEMENT (BMGT)

[Program Description, page 169]

### 3319/3619 Internships in Management

Practical experience in management through monitored work experience. Prerequisites: minimum GPA of 3.0 and permission of instructor. Internships can only replace elective courses, not required courses. (Fall, Spring, Summer)

### 3340 Management Theory and Practice

Introduction to the theories, concepts and functions of management. Topics include planning, organizing, leading, staffing, controlling, business and managerial ethics and decision-making. (Fall, Spring, Summer)

### 3354 Human Resource Management

Theories and concepts used in managing business personnel. Topics include: personnel planning, recruiting, selection, compensation, separation and retirement. Prerequisites: BMGT 3340 and Junior standing. (Spring, Fall)

### 4340 Management Skills

Course provides students with fundamental skills and insights necessary for success. Course design is based on learning through experience, and is directed toward student involvement in developing and practicing job-relevant managerial skills. The material is presented in the form of self-assessments, in-basket exercises, and skill-building exercises. Prerequisite: BMGT 3340. (Spring)

### 4345 Entrepreneurship/ Small Business Management

Comprehensive study of management activities associated with entrepreneurial ventures and small businesses. Topics include analysis of opportunities, development of venture strategy and small business problem solving. Student teams may act as consultants to small businesses. Prerequisite: completion of business core and Senior standing (Fall)

### 4346 Systems and Quality Management

Comprehensive study of organizational processes, quality methodologies, the systems perspective and operational issues. As part of the course students will work in a team to evaluate the processes of an organization and suggest process improvements. Prerequisites: BMGT 3340 and BMDS 3370. (Spring)

## VII. DESCRIPTION OF COURSES

### 4351 Seminar in Business and Society

Comprehensive study of the relationship between for profit and non-profit organizations and the environment in which they operate. Emphasis is on the analysis of business-society problems and issues and the formulation of appropriate managerial solutions. Prerequisites: completion of business core or permission of instructor and Senior standing. (Spring)

### 4355 Organizational Behavior and Leadership

Presentation of theory and research in Organizational Behavior (O.B.) combined with experiential exercises to develop students' ability to take responsibility for making and living with decisions about their behavior. Awareness of the realities of organization interdependencies and their consequences for individuals. Focus is on modifying behavior and predicting the effects upon productivity, satisfaction, and development of individuals as members of the business unit. Prerequisite: BMGT 3340. (Fall)

### 4356 Fundamentals of Organizational Change and Development

This course introduces the discipline of Organizational Development (O.D.), including definitions, values, ethics and O.D. as a normative process. Change theory and practice and the role of the change agent/O.D. professional are examined. Traditional O.D. interventions and current applications of O.D. thought are surveyed. The course is experiential in nature and incorporates an action research project. (Spring)

### 4363 Electronic Business Strategy, Architecture and Design

This course provides an introduction to electronic business strategy and the development and architecture of electronic business solutions and their components. Prerequisites: BINF 2321, BMGT 3340 and permission of the instructor. (Fall) Cross-listed with BINF 4363.

### 4380 Integrative Business Analysis and Decision Making I

Initial Capstone course designed to prepare students for a rigorous examination of their ability to apply their undergraduate education across the entire spectrum of business management and decision making as required in the second phase of the Capstone experience. Students are introduced to the analytical process required to develop strategic options for decision-making in each of the functional areas of business. Prerequisites: All 2000 and 3000 level business core courses as listed in the degree plan, however, BINT 3331 and BLAW 3317 can be taken concurrently. (Fall, Spring, Summer)

### 4381 Integrative Business Analysis and Decision Making II

The final Capstone experience during which the student demonstrates his/her competency in applying the knowledge gained in the respective degree programs. This course integrates the concepts, theories, and skills learned in other business disciplines through analysis and development of corporate strategy and policy. Additionally, students will prepare for employment in the business environment. Prerequisite: All 2000 and 3000 level business core courses and BMGT 4380. (Fall, Spring, Summer)

## VII. DESCRIPTION OF COURSES

### BUSINESS MANAGEMENT & DECISION SCIENCES (BMDS)

#### 3370 Business Statistics

Introduction and application of statistical analysis in a business context. Topics covered in the course include: Descriptive Statistics, Discrete Probability Distributions, Continuous Probability Distributions, Sampling Methods, Confidence Intervals, and Hypothesis Testing. Prerequisite: MATH 1304 or equivalent. (Fall, Spring, Summer)

#### 3371 Management Science

Introduction and application of Management Science models used in the analysis of operational process. Course topics include: Optimization Models, Forecasting, Markov Analysis, Decision Theory, PERT/CPM Models, Inventory Analysis, and Queue Theory. Prerequisite: BMDS 3370. (Fall, Spring)

#### 4370 Project Management

This course covers the factors necessary for successful management of system development or enhancement projects. Both technical and behavioral management aspects of project management are discussed. Prerequisite: BINF 2321, BMDS 3371 and permission of the instructor. (Spring) Cross-listed with BINF 4370.

### BUSINESS: MARKETING (BMKT)

[Program Description, page 171]

#### 2310 Introduction to Latino Marketing Environment

Targeting the Hispanic market requires an understanding of a complex system of sociocultural, religious, economic, political, and historical factors that shape the Latino mind. The purpose of this course is to expose students to a number of academic as well as experiential activities that broaden subculture awareness. (Fall)

#### 3319 Internship in Marketing

Practical experience in marketing through monitored work experience. Prerequisite: minimum 3.0 GPA; 12 hours in BMKT and permission of the instructor. (Fall, Spring)

#### 3331 Principles of Marketing

Introductory course providing comprehensive coverage of marketing concepts and strategies. A managerial approach is used that focuses on the practices, problems and decisions of the marketing manager. May be taken as a Cultural Studies elective. (Fall, Spring)

#### 3333 Fundamentals of Advertising

Theory and practices of advertising, including market segmentation, media management, research, testing, campaign techniques, and post-campaign evaluation. Prerequisite: BMKT 3331. May be taken as a Cultural Studies elective. (Fall, Spring)

## VII. DESCRIPTION OF COURSES

### 3334 Service Marketing

Marketing concepts and strategies as they relate to the service organization; growth of the service economy; nature and characteristics of service organizations, problems and opportunities posed by these characteristics and the development of effective marketing strategies. Prerequisite: BMKT 3331. (Fall and Spring)

### 3335 Sales Management

Strategic planning, execution, and evaluation of the sales function within an organization. Emphasis is on territory design, performance, and evaluation. Compensation and sales force training are also analyzed. Prerequisite: BMKT 3331. (Fall)

### 3340 Retailing

A survey of retail institutions and their environments, resources, and markets; review of the planning, purchasing, procurement and promotion functions; discussions on fundamental structural changes in consumer purchasing patterns and their effects on retailing. Prerequisite: BMKT 3331 May be taken as a Cultural Studies elective. (Spring)

### 3345 Hispanic Marketing Communications

This course requires students to apply advertising theories and concepts to meet the needs of various segments of the Hispanic market. the role of behavior, and other topics are reviewed to determine their influence on buying behavior and the implications for developing marketing strategy and a comprehensive media plan. Prerequisite: BMKT 2310, 3377. (Spring, odd years)

### 3361 International Marketing

Analysis of international markets and opportunities for the international organization and the independent business person. Emphasis is on the use of data for analyzing market potential, support services of freight and insurance, and international currency movement. Discussion of current international situations, which create market potential. Prerequisite: BINT/BMKT 3331. (Fall, Spring) Cross-listed with BINT 3361.

### 3375 Hispanic Marketing Practice

The purpose of this course is to develop a link between the Hispanic marketing curriculum and marketing practice as it exists in Latino advertising/marketing firms and corporations with Hispanic Marketing departments. Pre-requisite: Twelve hours of marketing, 3.3. GPA, and Hispanic Marketing concentration. (Spring, Fall)

### 3377 Consumer Behavior

An overall view of the basic perspectives of consumer behavior, this course uses an interdisciplinary approach that integrates the fields of economics, education, psychology, sociology and anthropology as they relate to marketing and buyer behavior. Prerequisite: BMKT 3331. (Fall, Spring) May be taken as a Cultural Studies elective.

## VII. DESCRIPTION OF COURSES

### 4375 Market Research

A study of qualitative and quantitative research procedures and techniques utilized in marketing research projects. Practical application of procedures and techniques is emphasized through class research projects in problem definition, questionnaire design and sampling techniques. Prerequisites: BMKT 3331 and BMGT 3370 . (Fall, Spring)

### 4377 Marketing Engineering for Hispanic Marketing

This course presents concepts and tools that help students understand Hispanic/Latino marketing data. Data-based decision making improves the efficiency and effectiveness of a marketing program. The right segmenting, targeting and positioning is crucial for a sound Hispanic marketing strategy. Prerequisite: BMKT 2310, 3331, 3377, 4375 (Spring, even years)

### 4380 Importing

An analysis of the importing process, sources of supply, currency implications, government regulations, and current issues affecting the importing process. Prerequisite: BINT 3331. (Spring) Cross-listed with BINT 4380.

### 4390 Marketing Management

Investigation of the decision-making process of the marketing manager, using the case method. Focus is on the management of the marketing function, strategy formation, execution and control. Prerequisite: BMKT 3331. (Fall, Spring)

## CHEMISTRY (CHEM)

[Program Description, page 193]

### 1101/1102 Chemical Principles Laboratory I and II

This course offers laboratory experiments chosen to illustrate concepts taught in the lecture. Must be taken in sequence. Co-requisite: 1301/1302. Fee.

### 1301/1302 Chemical Principles I and II

This course studies fundamental laws and theories of chemistry: the modern concept of the atom, atomic structure and periodic properties of the elements, kinetic-molecular theory, states of matter, solutions, acids, bases, and salts, oxidation-reduction, equilibrium, thermodynamics, electrochemistry, nuclear chemistry, bonding. Must be taken in sequence. Prerequisite for CHEM 1301: MATH 1304 with a grade of C or higher; Prerequisite for CHEM 1302: CHEM 1301 with a grade of C or higher.

### 1310 Biological Chemistry I

This course studies fundamental principles of chemistry related specifically to allied health sciences. The topics include chemical and physical changes, atoms and molecules, gases, solids, and liquids, chemical bonding, reactions, kinetics and equilibrium, acids and bases and an introduction to nuclear chemistry. Does not satisfy the core science requirement or chemistry requirements for degree programs in biology, chemistry, nutrition, environmental science, medical technology, or

## VII. DESCRIPTION OF COURSES

nuclear medicine. Prerequisite: students with bridging math requirement for MATH 0318 must complete it before registering for this course.

### 1320 Biological Chemistry II

This course is an introduction to organic and biological chemistry to topics related to allied health science. The course also includes a laboratory component that includes hands-on laboratory experiments on concepts on general, organic and biochemistry. Does not satisfy the core science requirements or chemistry requirements for degree programs in biology, chemistry, nutrition, environmental science, medical technology, or nuclear medicine. Prerequisite: CHEM 1310 with a grade of C or higher.

### 1405 Science in Everyday Life

This course will provide an understanding of basic chemical principles and the role which chemistry plays in everyday life topics including water and air pollution, ozone depletion, global warming, acid rain, plastics and energy sources. Not open to students who have received credit for or are concurrently enrolled in CHEM 1301. Students must enroll both in lecture and laboratory sections.

### 2111 Organic Chemistry Laboratory I

The first in a two-semester sequence, this laboratory provides students with training in basic organic chemistry laboratory skills such as melting point determination, recrystallization, extraction, distillation, thin-layer and gas chromatography, and their applications to chemical reactions. Students will also practice and refine their scientific writing skills. Prerequisite: CHEM 1102 with a grade of C or higher. Co-requisite: CHEM 2311. Fee.

### 2112 Organic Chemistry Laboratory II

In the second semester of this laboratory sequence, students carry out a variety of organic chemistry reactions that complement and supplement the material covered in the second semester lecture course. Students will also learn basic spectroscopic techniques used to analyze reaction products and other organic chemicals, including infra-red, nuclear magnetic resonance, and UV-vis spectroscopies. Prerequisite: CHEM 2111 with a grade of C or higher. Co-requisite: CHEM 2312. Fee.

### 2311 Organic Chemistry I

An introduction to structure, nomenclature, conformations, reactions, and mechanism is provided in this course. Core concepts in chemical bonding, acid-base reactions, resonance and inductive effects, functional group transformations, and stereochemistry are covered. Prerequisite: CHEM 1302 with a grade of C or higher.

### 2312 Organic Chemistry II

Organic Chemistry II builds upon the foundations established in Organic Chemistry I. A wide variety of functional group transforming reactions are covered, especially in the context of synthesis. Each class of reactions and the functional groups they involve are supported with nomenclature and relevant properties. An introduction to spectroscopy and spectrometry, including infra-red and nuclear

## VII. DESCRIPTION OF COURSES

magnetic resonance spectroscopies and mass spectrometry, is also included. Prerequisite: CHEM 2311 with a grade of C or higher.

### 3421 Quantitative Analysis and Laboratory

This course presents the classical chemical methods of analysis including gravimetric and volumetric analysis, statistical treatment of data, separations. Experiments illustrate techniques and methods discussed in the lecture. Prerequisites: CHEM 1301, 1302, 1101, and 1102 with a grade of C or higher. Fee. (Fall)

### 3441 Inorganic Chemistry

This course will provide an understanding of inorganic chemistry with an emphasis on the fundamental principles behind reactivity. Emphasis is on both description and theory of inorganic substances. Studies include atomic structure, ionic and covalent bonding, acid-base concepts of inorganic substances, structure, bonding, thermodynamics, and reaction mechanisms of transition metal complexes. Prerequisites: CHEM 2311 and 2312 with grades of C or higher.

### 4101 Seminar

This course provides the opportunity for guest lecturers, readings, reports, and discussion on topics of chemical interest. Up to 3 semester hours credit may be designated for this course. In this course, students apply principles learned in lectures. Prerequisite: CHEM 2312, 2112. Permission of advisor required. Fee.

### 4151 Biochemistry Laboratory

This course is an introduction to the fundamental laboratory techniques, methods, instrumentation and calculations used in Biochemistry laboratories, and amplifies material learned in Biochemistry lectures. Cross-referenced as BIOL 4151. Co- or prerequisite: CHEM / BIOL 4351 (or equivalent). Fee.

### 4160/4260 Advanced Chemical Research

These courses allow the student to study a chemistry problem independently and to prepare a written report based on the investigation. Must be taken for a minimum of 2 semesters. Credit hours will vary between 1 and 3 hours depending on the work performed. Prerequisites: CHEM 1302, 1102 and permission of the instructor. Fee.

### 4331 Specials Topics in Organic Chemistry

This course presents advanced topics in organic chemistry which build on and expand those covered in Organic Chemistry I and II (CHEM 2311, 2312), including stereochemistry, molecular orbital theory, reaction mechanisms, and synthesis. Topics will vary depending on the instructor's area(s) of expertise and specialization. May be repeated for credit when topics vary. Permission of advisor and instructor required. Prerequisites: CHEM 2312 with a grade of C or higher.

### 4351 Biochemistry I

This course is the first part of a two course sequence covering introductory Biochemistry, and studies the structure and function of key biomolecules (proteins, lipids, and nucleic acids), enzymes, membranes, and molecular biology. Cross-

## VII. DESCRIPTION OF COURSES

referenced as BIOL 4351. Note that concurrent enrollment in CHEM / BIOL 4151 is not required for enrollment in CHEM / BIOL 4351. Prerequisites: CHEM 2312 and BIOL 1402 (or equivalents) with grades of C or higher.

### 4352 Biochemistry II

This course is the second part of a two course sequence covering introductory Biochemistry, and studies the structure and function of carbohydrates, bioenergetics, intermediary metabolism, and the role of enzymes, vitamins, and cofactors in metabolism. Cross-referenced as BIOL 4352. Note that concurrent enrollment in CHEM / BIOL 4151 is not required for enrollment in CHEM / BIOL 4352. Prerequisites: CHEM / BIOL 4351 (or equivalent) with a grade of C or higher.

### 4422 Instrumental Analysis and Laboratory

This course studies basic electronics, electrochemistry; spectroscopic methods of analysis including IR, UV-Vis, NMR, atomic absorption and emission; gas and liquid chromatography. It also offers laboratory problems utilizing procedures covered in the lecture. Prerequisite: CHEM 3421 with a grade of C or higher. Fee. (Spring)

### 4431 Physical Chemistry I Thermodynamics

This lecture and laboratory course examines the physical chemistry of matter and its chemical behavior covering: equations of state, laws of thermodynamics, ideal and nonideal solutions, phase equilibria, thermodynamics of chemical reactions and kinetics. Laboratory experiments are chosen to demonstrate concepts taught in the lecture. Prerequisite: CHEM 1301, 1302, 1101, 1102, with grades of C or higher; 6 semester hours of calculus (MATH 2312 and 2313), with grades of C or higher; and 8 semester hours of Calculus based Physics (PHYS 2305 and 2105, PHYS 2306 and 2106), with grades of C or higher. Fee. (Fall)

### 4432 Physical Chemistry II Quantum Mechanics

This lecture and laboratory course examines the physical chemistry of matter and its chemical behavior covering: fundamental principles of quantum mechanics, exactly soluble model problems, electronic structure of atoms and molecules, spectroscopy. Laboratory experiments are chosen to demonstrate concepts taught in the lecture. Prerequisite: CHEM 1301, 1302, 1101, 1102, with grades of C or higher; 6 semester hours of calculus (MATH 2312 and 2313), with grades of C or higher; and 8 semester hours of Calculus based Physics (PHYS 2305 and 2105, PHYS 2306 and 2106), with grades of C or higher. Fee. (Spring)

## COMMUNICATION ARTS (COMM)

[Program Description, page 175]

### 1301 Introduction to Mass Communication

This course studies the nature and function of mass communication systems. Includes the history, structure, and interrelationships of the components of mass media, as well as the relationship between media and society. This class is a prerequisite to other classes for Communication Arts majors. May be taken as a Cultural Studies elective. (Every semester)



## VII. DESCRIPTION OF COURSES

### 1305 Computer Literacy for Communication Arts

This course introduces basic computer terminology skills and concepts in communication. The student receives hands-on experience in file management techniques, Internet and e-mail software, online library databases and software, word processing and presentation software, spreadsheet and database management software. Media software and communication applications will be emphasized. This course meets the computer literacy requirements for Communication Arts majors. Fee. (Every semester)

### 2315 Writing for the Media

An examination and practice of the types of writing that are produced in the media arena. In this course, the emphasis is on style, structure, and techniques involved in print journalism, copywriting, broadcast journalism, public relations writing, and scriptwriting. Prerequisites: COMM 1301, ENGL 1311 (Every semester)

### 2320 Audio Production I

This class introduces the student to audio production theory and technique. The course focuses on sound aesthetics and values while providing an overview of traditional analog sound production and audio equipment. It is an introduction to desktop audio and the digital audio workstation which includes an introduction to Protools or other editing software. Radio station production will be required. Fee. Prerequisite: COMM 1301.

### 2354 Journalism I

This class explores the fundamentals of writing news for print and electronic media with an emphasis on newspaper journalism. Class focus will be on story organization, leads, style, clarity, conciseness, attribution, balance, objectivity, etc. Prerequisite: COMM 1301 (Every semester)

### 2357 Photography I

In this course, students apply the principles of design in black and white photography. This class offers instruction in the use of the camera and darkroom equipment. 35mm camera required. May be taken as a Cultural Studies elective. Recommended: ARTS 1311. Fee. (Fall, Spring, and Summer)

### 2360 Video Production I

Topics in this class explore the theory and technique of video production with an emphasis on remote location and electronic news gathering (ENG). Projects include news and feature stories, as well as commercials and music video. Fee. Prerequisite: COMM 1301

### 3310 Theories of Communication

A survey of past and current trends in communication theory. The class emphasis is on perspectives found in social science and cultural studies. May be taken as a Cultural Studies elective. Prerequisite: COMM 1301. (Every semester)

## VII. DESCRIPTION OF COURSES

### 3317 Diversity in the Media

This course explores diversity and its role in the media, including the influence of various political, social, gender, race, class, age and economic factors in the makeup of those in the news media, decisions involved in media coverage and what various media - including newspapers, radio stations, TV stations, web sites, ads, sitcoms, dramas, documentaries and movies - portray about various peoples and topics on a historical and cultural basis. May be taken as a Cultural Studies elective. Prerequisite: COMM 1301.

### 3320 Aesthetics of Vision and Sound

This class explores the theory and principles of sight and sound values that relate to media production. It involves examination of color, light, space, time-motion and sound. Prerequisite: COMM 1301. May be taken as a Cultural Studies elective. Recommended: ARTS 1311.

### 3325 Writing the Script

This class explores the principles, techniques, and practice of script preparation. This course focuses on commercial and promotional writing for radio/television, including script formats, verbal to visual style, budgets, and presentation skills. Prerequisite: COMM 1301.

### 3330 Impact of Media on Society

This course is an intensive study of the influence and interplay of media on various aspects of our culture. Topics may include the socio-economic and physiological effects of media, and the imagery and impact of advertising. Topics will vary each semester. May be taken as a Cultural Studies elective. Prerequisite: COMM 1301.

### 3340 Computer Graphics and Visual Communications

This class is an introduction to the techniques of creating computer-generated graphics. The student will learn basic design and production of computer-generated graphics using Adobe Photoshop and other software. Fee. Prerequisite: COMM 1301 & 1305.

### 3353 Broadcast Journalism

In this class, students learn the principles of writing, editing, and presenting television news. It incorporates an overview from newsroom organization to basic television news gathering and studio production. Prerequisites: COMM 1301, 2315. Recommended: COMM 2354, 3360. Fee.

### 3354 Journalism II

In this class, the fundamentals of gathering and reporting information for the news media are analyzed. The class emphasis will be on gathering facts, observation, interviewing, and research. The course includes an advanced news-writing component. Prerequisites: COMM 1301, 2354.

## VII. DESCRIPTION OF COURSES

### 3355 Publications Practicum

This class gives students practical experience working for the Logos. Students will design, write, and publish the University newspaper. Course may be repeated for elective credit. Prerequisite: COMM 1301

### 3358 Digital Photography

Digital photography is a process for creating images using the controlled reactions of light and a photo-electric microchip followed by computer manipulation. This is a studio art/graphic production course providing the student an opportunity to explore the contemporary uses of digital photography in artistic and graphic design production. Fee. (Summer and as needed.)

### 3360 Video Production II

This course offers an examination of the theory and techniques of video production including scriptwriting, production management, camera operation, basic lighting design and set design. Emphasis is placed on studio production. Fee. Prerequisites: COMM 1301, COMM 2360.

### 3365 Multimedia Design and Production

This class provides students with the basic production technology necessary to design and create multimedia. Students will be given the opportunity to learn various tools concentrating on different aspects of the technology: text, graphics, audio, video and website technology. Through developing their own multimedia, students will explore how this technology can be used in society as a communication tool for education, industry and media production. Fee. Prerequisites: COMM 1301, COMM 1305, COMM 2320, COMM 2360.

### 3370 Organizational Communication and Leadership

This course explores organizational communication and leadership. It emphasizes the interpretive, critical and cultural approach in organizational life and leadership development. Course may be taken as a cultural studies elective or upper division elective in other disciplines. The course may not be repeated for credit. Prerequisites: COMM 1301 or permission of instructor.

### 3380 Announcing/Performance

In this class, students will explore announcing techniques for radio and on camera performance. It includes news casting (anchoring, reporting and interviewing), commercial talent, on-camera acting, and casting sessions. Emphasis is placed on individual performance and evaluation using professional scripts and video playback. Radio station production will be required. Fee. Prerequisites: COMM 1301. Recommended: COMM 3360.

### 3390 Radio Practicum

This class gives students practical experience working for the campus radio station. Students will manage, promote, produce, and broadcast on the radio station. Course may be repeated for elective credit. (Every semester)

## VII. DESCRIPTION OF COURSES

### 4305 Communications, Technology, and Society

This class provides an introduction to new technology and explores the ramifications of the use of that technology and its impact on current culture. This course will help students to critically explore the new forms of communication and their effects on the societal dynamics, which fiber optics, satellites, teleconferencing, the Internet and personal computing have forged in our culture. May be taken as a Cultural Studies elective. Prerequisite: COMM 1301

### 4310 Communication Research

This class introduces students to the primary research methods used to study communication processes, including surveys, content analysis, and experimental research. Students will become familiar with the major communication journals and will learn to read and to interpret research results, as well as to design simple studies of their own. Prerequisites: COMM 1301. Recommended: ARTS 2311

### 4315 Media Ethics

This class examines media standards and employs case studies, text, and discussion sessions. It is designed to help students develop their own standards concerning the communication arts. Topics include censorship, free speech, government regulations, and media accountability. May be taken as a Cultural Studies elective. Prerequisite: COMM 1301. (Every semester)

### 4320 Issues and Trends in Bilingual Communication

This course is a survey of the factors which affect bilingual mass communications in the United States with emphasis on the South Texas regional market. Prerequisites: COMM 1301 or permission of instructor.

### 4322 Seminar in Selected Film Topics

This class offers discussion and study of various topics in cinematography and the film industry. Content will include screen artists (specific directors, producers, screenwriters, and cinematographers), as well as film genres, content analysis, and the business of the film industry. May be taken as a Cultural Studies elective. Prerequisite: COMM 1301.

### 4325 Global Media Studies

This course introduces the leading issues in the study of global media and focuses on the dynamic transformations in various media in a broad global and comparative context. This course explores the socio-historical, political-economic and textual forces which shape media culture in local and global environments. This course is required for Media Studies concentration student. This course may not be repeated for credit. Prerequisites: COMM 1301 or permission of instructor.

### 4328 Internship

This course offers academic credit earned through practical experience. Students work part time in the professional media with the guidance of an on-site supervisor. Minimum 140-160 hours of work required. Prerequisite: COMM 1301, 2310, 2315, and Permission of instructor. May be repeated once for credit. (Every semester)

## VII. DESCRIPTION OF COURSES

### 4332 Law and the Media

This class is an introduction to law and policy related to mass communication. Libel, privacy, news gathering, and broadcast regulations are explored. Prerequisites: COMM 1301, 2310 and 2315. (Every Semester)

### 4335 News and Feature Editing

The objective of this class is to edit news and feature stories for clarity, conciseness, correctness, thoroughness, fairness, and style. Other topics covered include exercising news judgment using headline writing, and visual aspects of news presentation. Prerequisite: COMM 1301.

### 4340 Design, Layout and Print Production

This class features principles and Application of graphics used in the Communication arts professions. It examines design, layout, paste-up and typography of graphics, both fundamental and current trends. Fee. Prerequisites: COMM 1301, COMM 1305. Recommended: ARTS 2311

### 4347 Electronic Publishing and Web Design

This course explores the impact and potential of publishing via new electronic media. Students will become familiar with a variety of on-line publications, will learn about the similarities and differences between electronic and other forms of publishing, and will practice the non-linear writing and design techniques required for electronic publishing. Prerequisite: COMM 1301 and COMM 1305, or permission of instructor. Fee.

### 4348 Journalism History

This class explores the role and the evolution of journalism including the influence of various political and economic changes in journalist practices, and the role of journalism in society. It also covers the history and evolution of various technologies used to present the news. May be taken as a Cultural Studies elective. Prerequisite: COMM 1301.

### 4349 Electronic and Digital Writing

This course will familiarize students with multiple digital platforms used in journalistic and electronic writing practices to gather and disseminate information. This course will explore theories, practices and experience of digital writing. Students will learn various strategies to enhance skills through various digital platforms including blogging, podcasting, wiki authoring, writing e-zine articles and new online newspaper websites along with other forms of new media such as digital video and image production. This is a required course for the journalism concentration. Prerequisites include COMM 1305, COMM 2354, and COMM 3354 or permission of instructor. May not be repeated for credit.

### 4350 Photojournalism

This class focuses on principles techniques required in photojournalism. It combines the critical analysis of famous photojournalists with the practice of the technical aspects of making a photographic essay. Prerequisite: COMM 1301, 2357. May be taken as a Cultural Studies elective. Fee.

## VII. DESCRIPTION OF COURSES

### 4351 Advanced Digital Editing and Production

This course focuses on non-linear digital audio and video editing with an emphasis in hands-on production, DVD production, creating files for new technologies, and creating special effects. Students will spend considerable lab time outside the classroom. This course is an elective for Production Track students. Production and advanced editing students are encouraged to take this course. The course may not be repeated for credit. Prerequisite: COMM 1301, 2360, and 3360 or permission of instructor. Fee.

### 4355 Magazine Article Writing

This course offers practice in writing magazine articles with emphasis on marketing manuscripts. It focuses on magazine article genres and development of individual styles. Prerequisite: COMM 1301 and 2315.

### 4358 Producing/Directing Seminar

This course emphasizes pre-production elements, production management, production values and development of directing techniques. Practical training is taught through individual production projects that require a comprehensive approach. It includes a critical analysis of professional directors' interpretations as well as professional producers' approaches. Fee. Prerequisites: COMM 1301 and 2360, or permission of instructor.

### 4375 Public Relations

This course covers all forms of writing for public relations including press releases, public service announcements, features, magazine queries, securing television and radio interviews, coverage memos, media alerts, trade press releases, backgrounders, and public relations presentations. Students will have exposure to all writing required for a Public Relations career. Prerequisite: COMM 1301, COMM 2315, or permission of instructor. This course may not be repeated for credit.

### 4390 Senior Portfolio

This course covers the building of an electronic portfolio (DVD or CD-ROM). The course emphasizes the preparation of a multimedia or print portfolio for professional development and evaluation. This is the capstone course for the Communication Arts undergraduate degree. Should be taken in the final semester. Prerequisites: Senior standing. Fee.

### 4399 Selected Topics

This course is an investigation of an issue or topic of current interest in the communication arts. Topics will vary each semester. It may include projects or productions. Prerequisite: COMM 1301.

### 4628 Extended Internship

This course offers additional credit hours to those students having to do in-depth internship hours beyond those of COMM 4328. Students work part-time in the professional media with the guidance of an on-site supervisor. Minimum 280-320 hours of work required. Experience in a current position within the media field may be considered towards fulfillment of required work hours. Experience must

## VII. DESCRIPTION OF COURSES

constitute equivalency toward a media internship. Permission of the instructor and the Chair of Communication Arts is required. Prerequisites: COMM 1301, 2310, and 2315.

### COMPUTER GRAPHIC ARTS (CART)

[Program Description, page 178]

#### 1100 Computer Graphic Arts Orientation

This lecture course serves as the entry-level course for incoming freshman entering the computer graphic arts program. The course will cover curriculum issues, industry norms and standards, curriculum expectations, and graphics standard practices.

#### 1301 Introduction to Computer Graphic Arts

This studio/lecture course is a basic overview of computer graphics. Hands-on training with web browsing, word processing, page layout, digital image making, scanning and printing. Topics include computer graphics concepts, terminology, processes and procedures. This course fulfills the UIW Computer Literacy core requirement for CART majors only. Fee.

#### 1302 Digital Imaging

This studio/lecture course covers principles of digital image processing and electronic illustration. Emphasis on raster and vector image making and the creative aspects of electronic illustration for commercial and fine art applications. Topics include integration of text and images, creative drawing and painting, photography concepts and printing practices. Fee.

#### 1310 Visual Language

This studio course examines concepts that allow design and visual media to communicate a specific message. Students will undertake projects that examine the role of visual semantics, syntactics, and pragmatics in order to better understand the role of design in communication. Fee. Pre-requisites: CART 1380 and 1390.

#### 1380 Foundations of Digital Design

This studio/lecture course investigates the fundamental concepts of two-dimensional design elements and principles and how they relate to visual communication design. Emphasis for this course is in the theory of design incorporating standard digital tools to aid in this exploration period. Topics include understanding communication design using two-dimensional design elements and principles, comparing and contrasting various design styles using digital techniques and tools, and a historical overview and analysis of design through art and design history. Fee.

#### 1390 Typography

This studio/lecture course explores fundamental concepts of typography and the relationship between typography and communication. Topics may include letterforms, the expressive qualities of type, typographic systems and use of type as a visual problem-solving tool. Fee.

## VII. DESCRIPTION OF COURSES

### 2300 Web I: Introduction to Web Design

This studio/lecture course covers internet web page design, web page animation and related graphic design issues including mark-up languages, web sites, Internet access software, and interactive topics. Fee. Prerequisite: 1380, 1390.

### 2301 3D Animation I: Modeling

This studio/lecture course covers basic 3D modeling and rendering techniques. Emphasis on building and modifying 3D geometry, defining surface materials, lights and cameras, rendering still images. Topics include historical overview and theoretical analysis of digital 3D modeling and rendering. Fee.

### 2304 Concepting

This lecture/studio course focuses on the design process as it is used to enhance creative visual communications. Emphasis will be placed on thoroughly exploring multiple solutions through drawing and on the critical analysis needed to develop ideas into successful and refined design solutions. Students will use a combination of drawing techniques, problem solving methods and verbal/visual ideation. Prerequisites: CART 1380 and 1390.

### 2310 Print I: Introduction to Print Design

Basic Print Design. This studio/lecture course covers basic issues in page layout, development of grid systems and page design for sequence and series applications. Also covered are print and pre-press production concepts. Fee. Prerequisite: CART 1380 and 1390.

### 2311 3D II: Animation

This studio/lecture course covers basic 3D animation techniques. Emphasis on keyframe animation, hierarchical motion, inverse kinematics, morphing and camera motion. Topics include historical overview and theoretical analysis of digital 3D animation. Fee. Prerequisite: CART 2301

### 3300 Web Design II: Advanced Web Design

This studio/lecture course is an advanced seminar in a web design. Topics include scripting, web site planning, testing, security, production, and marketing. Incorporation of recent developments in the field of Internet communications into a web site. Fee. Prerequisite: CART 2300

### 3301 3D Animation III: Narrative Animation

This studio/lecture course covers narrative 3D computer animation. Emphasis on storytelling, continuity, virtual cinematography, and digital editing. Topics include historical overview and analysis of 3D special effects in cinema and video. Fee. Prerequisite: CART 2311.

### 3307 Online Technologies, Simulations, and Games I

This studio/lecture course covers the core technologies of online communication and virtual environments (including 3D games). Basic HTML and other web-based protocol forms the foundation. Virtual environments and game levels will be created and published online. This course will provide students the tools to publish their work online. Fee. Prerequisite: CART 3301



## VII. DESCRIPTION OF COURSES

### 3310 Print Design II: Visual Systems

Intermediate Print Design. This studio lecture course covers concepts and techniques used in establishing visual identity, establishing brand identity and working on multiple platforms (PC and Macintosh). Also covered are additional commercial print and production concepts. Fee. Prerequisite: CART 2310.

### 3311 3-D Animation IV : Character Animation

This studio/lecture course covers 3D character animation. Emphasis on the creation of a detailed character with personality and complex, expressive movement. Topics include historical overview and analysis of 3D animated characters in cinema and video. Fee. Prerequisite: CART 3301

### 3315 Visual Narrative Conventions

This lecture course applies the concepts in visual literacy towards understanding core concepts of narrative structure. How to create mood and message through lighting, music framing, composition, and duration will be analyzed through film vocabulary, cinematic technique observation, and film history overviews. Fee. Prerequisite: CART 2311

### 3321 History of Animation

This lecture course is a survey of the history of animation and special effects. Overview includes traditional, experimental, and digital media. Emphasis is placed on the history of US animation; however, international animation will also be covered extensively.

### 4100 Commercial Arts Seminar

This lecture course services as an introduction to the trends of the business. It includes presentations by professional digital artists, business people, and vendors. Also includes research projects to increase awareness of digital media source information. Must be taken 6 times for 3D Animation; Must be taken 5 times for Graphic Design.

### 4300 Web Design III: Advanced Multimedia and Database Integration

This studio/lecture course covers advanced issues in information driven web sites, dynamic technology production, and motion graphics for the web and other media. An advanced, hands on approach to creating websites to support the information and entertainment industries. Fee. Prerequisite: CART 3300.

### 4301 Advanced Projects Practicum

This studio/lecture course gives students an opportunity to apply all the skills and concepts gained in earlier classes. Emphasis on producing large-scale, high-quality, creative work for inclusion in the Senior Portfolio. Topics focus on areas of specialization, thoroughly investigating issues of current interest in Computer Graphic Arts. Prerequisite: CART 4311 (3D) or both CART 4300 and CART 4310 (GD).

### 4302 Cooperative Education Internship

On-the-job training and observation at a Computer Graphic Arts related business. Work 15-20 hours per week and meet with instructor 1 hour per week. Topics

## VII. DESCRIPTION OF COURSES

include 'real-world' work place conditions and standards. Prerequisite: CART 3311 (3D) or both CART 3300 and 3310 (GD)

### 4303 Senior Portfolio

This studio/lecture course is the final course for the CART Degree. Emphasis on preparation and enhancement of a professional portfolio. Topics include job-seeking strategies, presentation skills, and enhancement of a professional portfolio. To be taken in the final semester. Prerequisite: CART 4301 (or concurrent enrollment) and CART 4311 or both CART 4300 and CART 4310.

### 4307 Online Technologies, Simulations, and Games II

This studio/lecture course creates a fully functional 3D game to be distributed online. This will include modeling, texturing, and animating the game level, characters, and other assets. This course will cover basic game programming to allow for true functionality of the game. This game will be distributed online. Fee. Prerequisite: CART 3307

### 4310 Print Design III: Information Design

Advanced Print Design. This studio/lecture course covers concepts and techniques of informational and way finding design. Also covered are additional print and production concepts. Fee. Prerequisite: CART 3310.

### 4311 3D Animation V: Production

This studio/lecture course covers theories and procedures for producing digital video/audio files using desktop computers. Much focus will be on the team aspect of 3D production. Fee. Prerequisite: CART 3311

### 4315 Typography Bridge

Typography for transfer students. This studio/lecture course explores fundamental concepts of typography and the relationship between typography and communication. Topics may include letter-forms, the expressive qualities of type, typographic systems and use of type as a visual problem-solving tool. Fee.

### 4320 Web I: Introduction to Web Design (Bridge)

Basic Web Design for transfer students. This studio/lecture course covers Internet web page design, web page animation and related graphic design issues including mark-up languages, web sites, Internet access software, and interactive topics. Fee. Prerequisites: CART 1301, 1302, 1380, and 1390.

### 4325 Business of Design

This lecture course covers how the communication design industry is structured, and issues related to work as a professional designer. These include estimating and billing, legal, ethical and tax issues, running a studio, professional resources and other issues likely to be encountered in a design career. This course is to be taken in the junior year.

### 4330 History of Communication Design

This lecture course covers the history of contemporary communication design with an emphasis on the design in the context of society and culture. The focus will

## VII. DESCRIPTION OF COURSES

be on 20th century to present. Prerequisites: Admission to the BFA Graphic Design track in Computer Graphic Arts. ARTH 2362

### 4340 3D Animation I Bridge: Modeling

This studio/lecture course covers basic 3D modeling and rendering techniques for transfer students. Emphasis on building and modifying 3D geometry, defining surface materials, lights and cameras, rendering still images. Topics include historical overview and theoretical analysis of digital 3D modeling and rendering. Fee.

### 4350 3D Animation II Bridge: Animation

This studio/lecture course covers basic 3D animation techniques for transfer students. Emphasis on keyframe animation, hierarchical motion, inverse kinematics, morphing and camera motion. Topics include historical overview and theoretical analysis of digital 3D animation. Fee. Prerequisites: CART 2301 or CART 4340.

### 4370 3D Animation VI: Team Production

This studio/lecture course covers 3D computer animation with an emphasis on team workflow. The course will make use of industry standard pipelines helping students understand how their work fits within an overall artistic and production vision to create a cohesive whole. Fee. Prerequisite: CART 4311.

### 4390 World Graphics Study Away

This lecture/travel course provides students a chance to see how the graphics industry operates throughout culture hubs of the world. Course content includes required travel to city or cities of focus each semester. Fee. Prerequisites: ARTH 2361 and ARTH 2362 (concurrently).

## COMPUTER INFORMATION SYSTEMS (CIS)

[Program Descriptions, page 181]

### 1301 Computer Information Systems

Introduction to hardware, operating systems, applications, networks, and users. Overview of the development and uses of computer information systems and their global impact. Exposure to programming, databases, computer security, website development, telecommunications, and Web trends. Hands-on experience with file management, word processing, spreadsheet, presentation, and Internet application software. Investigation of how computer information systems are used on campus and how to use them effectively for library research. Substitutes for the COMP 1301 Core requirement. Fee. (Fall)

### 2325 Personal Productivity Applications

Learn to use spreadsheets (Microsoft Excel) and database management system software (Microsoft Access) effectively. Concepts, methods, and practice in the effective use of end-user productivity software and integration of desktop products. CIS 2330 (Programming Languages I) is a follow-on course. Identical to BINP 2325. Fee. Prerequisite: CIS 1301 or taken concurrently. (Fall, Spring, Summer)

## VII. DESCRIPTION OF COURSES

### 2328 Hardware and Systems Software

Assemble a microcomputer from its hardware components and learn about how hardware operates and interacts. Learn how to select hardware for a small business or home system. Prepares students for part of the A+ Certification Exam (optional). CIS 2335 is a follow-on course. Fee. Prerequisite: CIS 1301 or taken concurrently. (Fall)

### 2330 Programming Languages I

Learn programming design and development emphasizing structured programming techniques. Typical language is Visual C++. Learn to plan and create simple, useful program codes behind graphical user interfaces (windows) for use as standalone programs or applications macros. Learning programming reveals the type of coding behind all software and teaches logic and attention to detail. CIS 3330 and CIS 4330 are follow-on courses. Fee. Prerequisite: CIS 2325 or BINF 2325 or permission of the instructor. (Fall)

### 2335 Network +

Learn networking essentials, including media and topologies, protocols and standards, implementation, and support. Learn about how computers, communications software, and networking components such as hubs, switches, and routers work to allow computers and other resources such as printers to communicate on a peer-to-peer/workgroup local area network (LAN). Construct and test a working classroom-sized LAN. CIS 3340 and CIS 3367 are follow-on courses. Assists in preparing you for the Network+ Certification Exam (optional). Fee. Prerequisite: CIS 2328 or BINF 2328 or permission of instructor. (Spring)

### 2340 Windows Operating Systems

Learn about the role of Microsoft operating systems in supporting the computer user and applications in *working with hardware, including* input/output devices, memory and file system management, graphical user interfaces, system performance, and security. Develop skills to install, configure, and administer Windows operating systems on stand-alone and client computers. CIS 2350 and CIS 3340 are follow-on courses. Prepares students for part of the A+ Certification Exam (optional). Fee. Prerequisite: COMP 1301 or taken concurrently. (Fall)

### 2350 UNIX/Linux Operating Systems

Learn about the Linux operating system, including processes, memory and file system management, multi-user concepts, use of system editors, basic commands and shell scripts. Develop skills necessary to install, configure and administer various Linux operating systems on stand-alone and client computers, with an emphasis on working in the command line environment. CIS 3340 and CIS 4370 are follow-on courses. Fee. Prerequisite: CIS 1301 (CIS 2340 recommended.) (Spring)

### 3310 Database Management Systems

Learn the concepts of database management systems with a special emphasis on relational database system concepts, architecture and the use of structured query language (SQL) to process information. Develop practical database systems

## VII. DESCRIPTION OF COURSES

for applications. CIS 4368 is a follow-on course. Fee. Prerequisite: CIS 2325 or BINF 2325. (Spring)

### 3319 Internship in CIS

Practical experience in CIS through a monitored work experience on or off campus. 140 hours of work with a supervisor in a job requiring use of computer information systems. Prerequisites: 12 hours of CIS courses, and approval of the CIS coordinator. (Fall, Spring, Summer)

### 3330 Programming Languages II

Continuation of CIS 2330, with an emphasis on object-oriented programming methodologies and advanced language features: Vehicle language is Visual C++. CIS 4330 is a follow-on course. Fee. Prerequisite: CIS 2330 or BINF 2330. (Spring)

### 3340 Client-Server Networking

Overview of the concept of client-server networking and hands-on experience with installing different network operating systems, creating and administering domains, troubleshooting, and expanding domains. Introduction to computer network security. CIS 4340 and CIS 4370 are follow-on courses. Fee. Prerequisite: CIS 2340 or CIS 2350. (Fall)

### 3360 Computer Science

Overview of computer information systems in context with other fields of computer study. Introduction to subjects in computer science not covered in depth in CIS, including computer architecture, discrete structures, intelligent systems, and human-computer interface. CIS upper division elective. Fee.

### 3362 Systems Analysis and Design

Learn to conduct analysis of how computer information systems can assist to in performing activities to fulfill the mission of an organization, including preliminary investigation, feasibility assessment, systems analysis, and specification of requirements. Learn about how systems are designed, developed, tested, implemented, and maintained. CIS 4310 is a follow-on course. Fee. Prerequisite: BINF 2321 (Fall)

### 3367 Networks and Telecommunications

Learn about all sizes and types of communications networks ranging from personal area to world-sized networks. Learn telecommunications terminology and concepts, voice and data networks, including technology, hardware, and software. CIS 3380 and CIS 4380 are follow-on courses. Fee. Prerequisites: CIS 2328 and BINF 2321 are recommended. (Spring)

### 3368 Website Design and Development

Overview of the characteristics and issues associated with professional Web page and website design for a variety of audiences. Hands-on experience with website design and development of Web pages and sites using xHTML and CSS. CIS 4368 is a follow-on course. Fee. (Spring)

## VII. DESCRIPTION OF COURSES

### 3380 Emerging WebTechnologies

Overview of Web technologies that enable content creation from users that enhance communication, creativity, collaboration and the functionality of the Web, popularly called Web 2.0 technologies. Methods, options, purposes, and hands-on experience associated with blogs, wikis, social networking, RSS, messaging, and sites to share creative products. Fee. (Fall).

### 4190 Seminar in Computer Information Systems

A collection of constantly changing presentations and discussions about the most recent changes, technologies, developments, practices, and issues in the field of computer information systems, including discussions about current technology and its impact on individual lives and the greater community, both local and global. May be taken up to three times for credit.

### 4310 Management of Technology

Learn about tactical level management of information system resources. Topics include facility management, planning and budgeting, help desk management and customer service. Fee. Prerequisites: BINF 2321 and 6 hours of upper division CIS courses or permission of the instructor. (Fall)

### 4330 Object Oriented Programming

Overview of the concept of object orientation in computer programming. Hands-on experience with C++, Java, and other modern object-oriented programming languages. Fee. Prerequisite: CIS 2330 or BINF 2330. (Fall)

### 4340 Windows Systems Security

Overview of the concepts and practices in the field of computer systems security, including business drivers, physical and software security, assessment, fraud, cyberterrorism, information warfare, social engineering and other topics. Fee. Prerequisite: CIS 2340 or CIS 2350. (Spring)

### 4368 Website Programming and Databases

Overview of the characteristics and issues associated with programming and database integration in professional websites designed for a variety of audiences. Hands-on experience with the use of javascript, PHP, and other scripting languages to create dynamic and interactive Web pages and sites. Fee. Prerequisite: CIS 3368 or CIS 3310 or equivalent. (Spring)

### 4370 Computer Network Security

Hands-on experience with hardware, operating system, network, and software security practices. Prerequisite: CIS 4340. Fee

### 4380 Virtual Environments

Overview of isolated and networked technologies designed to immerse users in a quasi-three-dimensional environment, including virtual reality, simulators, CAVEs, and MMUVes created for a variety of audiences and purposes. Examination of their impact and possible future uses. Hands-on experience with several of these technologies. Fee. Prerequisite: Junior standing or above (Spring)

## VII. DESCRIPTION OF COURSES

### 4399 Special Topics in Computer Information Systems

Concepts, issues, and hands-on experience (as applicable) with new computer information systems technologies and applications. Fee. Offered as technologies and applications emerge.

### COMPUTER LITERACY (COMP)

[Program Description, page]

### 1301 Computer Literacy/Business Applications

This course is an introduction to basic microcomputer terminology and concepts. The student receives hands-on experience in file management techniques, Internet and email software, online library software, word-processing software, presentation software and spreadsheet software with an emphasis in business applications. This course meets the computer literacy requirement for business majors and the University requirement for proof of computer competency. (Fall, Spring and Summer). Fee.

### 2120 Computers in Education

This course focuses on terminology and hands-on experience in educational technologies and classroom computer programs. Fee

### CULTURAL STUDIES (CLST)

[Program Description, page 101]

### 2315 Introduction to Cultural Studies

This course examines the principles, concepts and theories central to Cultural Studies. We will examine such topics as how cultures make meaning through representational systems, challenges to hierarchies of cultural value, theoretical foundations of Cultural Studies, and social movements (feminism, critical race studies, post-colonialism, gender studies, etc.) that have helped create the theoretical body of work central to Cultural Studies. This course will also attend to contemporary concerns within the field such as the effects of globalization, technological studies, and more. This course requires significant critical thinking skills and demands that students apply theories and concepts to specific case studies, cultural artifacts, and texts. Hence, this course is not recommended for first year students.

### 2320 Cultural Studies Method: Inquiry and Evidence

This course provides an overview of a variety of methodologies utilized to examine literary texts, artistic forms, and discursive practices that reflect and produce a society's culture. Students will examine historical and contemporary case studies from areas such as the visual arts, music, video, film, literature, religion, myth, ritual and theatre.

### 3325 Cultural Studies Theory

This course introduces students to a variety of theoretical approaches to the study of culture, including visual theory, literary theory and performance theory. Attention will be paid to the contexts in which these cultural representations are produced and in which they circulate. Students will investigate how visual, textual

## VII. DESCRIPTION OF COURSES

and performative discourses create and contest social borders, replicate cultures, and negotiate power dynamics. Students will examine case studies from the fine and performing arts, film, literary texts, advertising, etc.

### 3110/ 3115/ 3120 Cultural Studies Colloquium

This course provides an opportunity for students to synthesize the interdisciplinary nature of their course of studies. Students will work to apply the methods and theories of Cultural Studies to the CLST -approved electives they are taking. This is a one-hour course to be taken for three semesters.

### 4310 Senior Seminar

This course provides an opportunity for students to synthesize the interdisciplinary nature of their course of studies. By utilizing the methods and theories defined and developed in their previous course work, students will demonstrate mastery of concepts and skills acquired in their major.

### 4399 Selected Topics in Cultural Studies

This course will investigate an issue or topic of interest to the field of Cultural Studies. Topics may vary each semester.

## DANCE (DANC)

[Program Description, page 104]

### 1180 Country Western Dance I

This course introduces students to the basics to some of the more popular steps in Two Step, Country Swing, and Waltz. May be cross-referenced with PEHP 1146. No prerequisite. Fee. (Fall or Spring)

### 1183 Basic Rhythms

This course involves rigorous drill to increase stamina and the capacity for endurance; to develop physical coordination and naturalness; to coordinate movement and increase flexibility and strength; to develop focus, balance, and confidence; and to explore inner rhythms, instincts, and physical potential. For both men and women. No prerequisite. May be cross-referenced with PEHP 1116. Fee. (Fall, Spring)

### 1186 Character/Jazz I

This course presents two dance forms. The first half of the semester will focus on character as a study of a dance style that blends folk dance and academic ballet steps. Then, jazz will be presented as a study of the musical comedy style on the beginning level. No prerequisite. Fee. (Various)

### 1301 Ballet I (Level 1)

This course introduces students to beginning level ballet technique. It involves barre and centre work with an emphasis on body placement and alignment. Emphasis is placed on vocabulary building with intent to create a system of interlocking movement concepts. No prerequisite. Taken as 1301, this course satisfies the Core Fine Arts area requirement. May be cross-referenced with PEHP 1115. Fee. (Fall, Spring)



## VII. DESCRIPTION OF COURSES

### 1302 Ballet I (Level 2)

This course is a continuation of material covered in Level 1, with greater emphasis placed on allegro and adagio centre work. Prerequisite: DANC 1301 or some prior dance training. Taken as 1302, this course satisfies the Core Fine Arts area requirement. Fee. (Fall, Spring)

### 1305 Social Dance I (Level 1)

This class is an introduction to five major ballroom dances: Waltz, Foxtrot, Cha-Cha, Rumba, and East Coast Swing. Steps, style, and etiquette will be emphasized. May be taken after Level 2. No prerequisite. Taken as 1305, this course satisfies the Core Fine Arts area requirement. Fee. May be cross-referenced with PEHP 1145. (Fall, Spring)

### 1306 Social Dance I (Level 2)

This class is an introduction to the Ballroom Dances: Tango, Viennese Waltz, West Coast Swing, and Mambo. Learning to be comfortable on the social dance floor. May be taken before Level 1. No prerequisite. Taken as 1306, this course satisfies the Core Fine Arts area requirement. Fee. (Spring)

### 2221 Ballet II (Level 1)

This course presents intermediate level ballet technique, including continued and expanded study and practice of classical ballet skills and technique. Prerequisites: DANC 1301, and DANC 1302 or permission of the instructor. Fee. (various)

### 2222 Ballet II (Level 2)

This course continues the study of Intermediate level ballet technique. Prerequisite: DANC 2221 or permission of the instructor. Fee. (Various)

### 2245 Social Dance II

This course continues student exploration of social dance steps and technique in Waltz, Foxtrot, Cha-Cha, Rumba, and East Coast Swing. Additional dances such as Mambo, Bolero, Tango and Merengue may also be covered if time permits. Prerequisite: DANC 1305 or DANC 1306 or permission of the instructor. Fee. (various)

### 2280 Country Western Dance II

This course continues the study of steps and styling in Two Step, Country Swing, and Waltz. Learning additional dances Polka and Cha-Cha. Prerequisite: DANC 1180. (various)

### 3221 Ballet III

This course is a synthesis of Intermediate/ Advanced level ballet technique. Fee. Prerequisite: DANC 2222 or permission of the instructor. (various)

### 3321 Performance Techniques

This course prepares students to create original works in various styles of choreography involving laboratory in dance design and construction. Prerequisites:

## VII. DESCRIPTION OF COURSES

DANC 2222, DANC 2246, or DANC 2222, and DANC 2245 or DANC 2280. Fee. (Various)

### DIMENSIONS OF WELLNESS (DWHP)

#### 1200 Dimensions of Wellness

This course is designed to help students develop an appreciation for and commitment to a wellness lifestyle. The course emphasis is placed on helping students develop self-care abilities related to spiritual, physical, emotional, intellectual, social, and working wellness. Lab course: meets two clock hours for every credit hour. Students participate in two in-class aerobic workouts per week.

#### 3200 Dimensions of Wellness Bridge

Transfer and adult returning students satisfy Core requirements by taking this course, and one hour of kinesiology activity courses. The course emphasis is placed on helping students develop self-care abilities related to spiritual, physical, emotional, intellectual, social, and working wellness. Students participate in one aerobic activity per week.

#### 3300 Dimensions of Wellness Bridge (ADCaP format)

The course emphasis is placed on helping students develop self-care abilities related to spiritual, physical, emotional, intellectual, social, and working wellness. This course requires the student to participate in two in-class aerobic workouts per week and the integration of lifetime sports and/or activities.

### EDUCATION (EDUC)

[Program Description, page 140]

#### 2301 American Sign Language and Deaf Culture I

Acquisition of the language of signs. The student will develop an appreciation and knowledge of the culture that has developed and uses this type of communication. (Fall)

#### 2302 American Sign Language and Deaf Culture II

Continuation of EDUC 2301, which is the prerequisite. (Spring)

#### 2305 Foundations of Education

This course assists students in assessing their interest in becoming a teacher, acquaints them with responsibilities of teaching, explores options in teaching positions, and introduces the Teacher Education Program at UIW. An examination of the historical, philosophical, theoretical, legal, cultural, and ethical bases of current United States educational systems will be included. This course will also be infused with three Catholic Social Teaching themes: the dignity of the human person, community and the common good, and rights and responsibilities. This course is recommended for interdisciplinary studies majors and education minors in the freshman or sophomore year and is required for application to the Teacher Certification Program. (Fall, Spring)

## VII. DESCRIPTION OF COURSES

### 2315 The Survey of Children in Diverse and Inclusive Settings

This course will introduce the student to laws concerning the rights and responsibilities involved in teaching children with special needs; to the characteristics of various categories of special needs; to curricular and instructional modifications appropriate for each child; to methods of communicating with families and assisting families in identifying community support services. (Spring)

### 2361 Families, Schools, and Communities

The interactive role of family, school, and community in the process of education is the focus of this course. Topics include: establishing and maintaining strong school-home relationships, working with parents and primary caregivers to address young children's developmental needs, and parent-teacher relationships with the school. This course is recommended for elementary pre-service teachers in the sophomore year and is a required course in the certification sequence. (Fall, Spring)

### 2380 Introduction to Intercultural Communication

This course provides an introduction to the field of intercultural communication, enhances the development of intercultural competence (in the participants and indirectly in their students), and explores implications and applications for the teaching and learning of ESL. The course examines theoretical perspectives of language, culture, and worldview; communicative competence, intercultural contact; issues of diversity and commonalities among human beings; implications and applications for the classroom situation and oneself as a language teacher. (As needed)

### 3305: Law for Early Childhood Administrators

An in-depth examination of current legal bases and practices for organizing and conducting a human service organization, such as a private school, child care center, Head Start Agency, resource and referral organization or family support agency. This course emphasizes court cases, legal liability, legal issues involved in insurance, legal and ethical issues, child abuse, due process, and the rights of children. (As needed)

### 3310: Finance for Early Childhood Program Administrators

The analysis and application of principles of finance and organization of business management of human service organizations including program budgets, how the budget affects policy, the elements of a quality in a program for children, the design of salary schedules and reward systems, cost analysis, financial tools to monitor and control expenditures, concepts of total quality management and marketing and sources of funds for early childhood programs. (As needed)

### 3315 Leadership/Human Side of Management

This course provides the learner the knowledge and skills necessary to manage a human service organization such as a child care center, Head Start, private school, resource and referral organization or family support agency in diverse settings. (As needed)

## VII. DESCRIPTION OF COURSES

### 3316 Foundations of Language and Literacy

This course focuses on models and processes of reading, word recognition processes, vocabulary development, various comprehension strategies, and study skills. This is the introductory course in reading and is a prerequisite to all other reading courses. This course is required for all interdisciplinary studies majors, for all students seeking a reading minor, and for English majors seeking certification. It may not be repeated for credit. (Fall, Spring)

### 3317 Languages and Literacy Assessment

This course develops informal, individual, and group assessment procedures including activities and strategies for reading success. Prerequisite: EDUC 3316. (Fall, Spring)

### 3320: Facilities Operations

Survey of models, policies, and procedures for the effective development, planning, use, and management of early childhood facilities. This course will emphasize federal, state, and local regulatory standards for early childhood program facilities and operations. (As needed)

### 3330 Social Studies Instruction

This course builds upon students' development of social science and geography instruction at the elementary level. The intent of the course is to assist students in developing a more thorough understanding of social science and geography content and instructional practices and the ability to implement such practices in classroom instruction.

### 3340 Technology in Education

This course includes the introduction of preservice teachers to basic software applications used in K-12 classrooms, technology resources, and methods of integration with current curriculum. Strategies for effective implementation in the one computer classroom and in a lab setting will be demonstrated. The use of the computer as a teacher tool will also be addressed. This course should be taken in conjunction with EDUC 4605: Student Apprenticeship. Prerequisite: Acceptance to the Student Apprenticeship Program. (Fall, Spring)

### 3343 Teaching Students with Learning Differences

This course will examine the academic, social, and behavioral needs of students with learning disabilities. Students will develop their understanding of learning differences and their proficiency in providing individualized and differentiated instruction. The primary goal of this course is to gain knowledge and skills that will better prepare teacher candidates to address the needs of all students in their classroom.

### 3346 Teaching Students with Emotional and Behavioral Disabilities

This course will examine the academic, social, and behavioral needs of students with emotional and behavioral disorders. Students will develop their understanding of emotional and behavioral issues and proficiency in providing behavioral and academic support in order to effectively meet the needs of students in general education and special education settings.

## VII. DESCRIPTION OF COURSES

### 3349 Special Education Assessment and Evaluation

This course examines the special education assessment and evaluation procedures and methods for students in elementary and secondary settings. This course will prepare future teachers to interpret and apply data generated to instructional settings in both general education and special education settings.

### 3350 Emergent Literacy

This course examines literacy learning from an emergent perspective, acknowledging the child's previous literacy experiences as a foundation for further literacy development in the classroom. Prerequisites: EDUC 3316. (Fall, Spring)

### 3351 Reading, Writing, and Study Skills in the Content Areas

Application of current theory and practice in the areas of reading, writing, and study skills in content areas of both elementary and secondary schools. Vocabulary development, text structure, comprehension strategies, and interactive instructional methods are included. This course is required for all interdisciplinary majors, for all students seeking a reading minor, and for English majors seeking certification. Prerequisites: EDUC 3316 (Fall, Spring)

### 3352 Practicum in Reading

Guidance in applying theory and methodology. Work on specific lesson plans for teaching word recognition, comprehension with emphasis on interpretive skills, and critical and creative responding. Lessons designed by class members are taught with feedback in the practicum. Prerequisites: EDUC 3316 and 3317 (Individually arranged)

### 3360 Early Childhood/Kindergarten Curriculum

Developmentally appropriate practices in early childhood curriculum (ages 3-8) and integrating the language arts, mathematics, science, health, fine arts, and social studies. The role of the teacher and the learning environment will also be discussed. (As needed)

### 3364 History and Philosophy of Early Childhood Education

Students in this course will experience a study of the pertinent learning theories of early childhood: Piaget, Vygotsky, Montessori, the Reggio Emilia Approach, Multiple Intelligences, etc. The concept of developmentally appropriate practice will be studied. This course is recommended for students in the senior year. (Spring)

### 3370 Teaching Diverse Populations

Examination of divergent communities and education through cultural categories. This course will utilize current research and innovative strategies to address the needs of students from diverse populations. Supervised and directed participation in an EC-4 school setting will be a major component. This course is recommended for students in the senior year. Prerequisites: Admission to the Teacher Certification Program and EDUC 3375 (Spring)

## VII. DESCRIPTION OF COURSES

### 3373 Learning Theories

Introduces the various theories of Human learning: behaviorist, cognitive, social, and constructivist. This course will emphasize cognitive processes but not ignore other means in which we process information, especially that which is relative to diverse and culturally distinct populations. The field of learning is ever dynamic and changing and will influence course content. Supervised and directed participation in an EC-4 school setting will be a major component. This course is recommended for students in the senior year. Prerequisites: Admission to the Teacher Certification Program. (Fall)

### 3375 Teaching the Young Child I

Developmentally appropriate curriculum practices in elementary education (EC-4th Grade), classroom teaching skills, management and guidance techniques; models of teaching, the lesson planning process, and instructional planning for both small and large groups. Supervised and directed participation in an EC-4 school setting will be a major component. Prerequisites: Admission to the Teacher Certification Program. (Fall)

### 3377 Teaching the Young Child II

An examination of the total elementary (EC-4th Grade) classroom, best practice and the variety of approaches for implementing best practice including providing choices and integrating the curriculum. Supervised and directed participation in an EC-4 school setting will be a major component. Prerequisites: Admission to the Teacher Certification Program and EDUC 3375 (Spring)

### 3379 Instruction and Assessment

Provides opportunities for the analysis, interpretation and application of a variety of assessment procedures. Emphasis on the interrelationship of curriculum, instruction, and assessment in classroom situations. Supervised and directed participation in an EC-4 school setting will be a major component. Prerequisites: Admission to Teacher Education (Fall)

### 3380 Pedagogy for the Secondary and Middle School

This course is a professional development course leading to Texas secondary certification (grades 8-12) or all level certification (early childhood-grade 12). This course, designed for prospective teachers, encompasses various categories of knowledge related to professional skills, values, and decision-making. Observation hours in secondary school settings will be a major component. Prerequisites: Admission to Teacher Certification Program. (Fall)

### 3383 Integrative Pedagogy for the Secondary and Middle School

This course is a professional development course leading to Texas secondary certification (grades 8-12) or all level certification (early childhood-grade 12). This course, designed for prospective teachers, will include curricular unit development and management, technology integration, teaming, and thematic unit development, managing middle and secondary school extracurricular activities and maintaining effective faculty and administrative relationships, community involvement and professional responsibilities. Observation hours in secondary school settings will be

## VII. DESCRIPTION OF COURSES

a major component. Prerequisites: Admission to the Teacher Certification Program and EDUC 3380 (Spring)

### 3385 Culturally Responsive Teaching

This course This course examines the role of culture in education. Difference in communication styles and in the thinking process of groups and individuals will be explored. Pedagogy that recognizes the importance of including students' cultural references in all aspects of learning will be emphasized. Additionally, the course will examine the educational implications of teaching English language learners by addressing second language instructional approaches, assessment methodologies as well as the sociolinguistic and sociocultural issues that impact bilingualism and second language acquisition. Strategies for teaching linguistically diverse students in the general education setting will also be provided.

### 4305 Student Apprenticeship/Internship Seminar

This course is required for Texas teacher certification and is taken during the final semester of study.. This course is designed to examine the experiences faced in the student apprenticeship/internship. Examination, analysis, and practice of the Texas Examination of Educator Standards (TExES). This course must be taken in conjunction with EDUC 4605: Student Apprenticeship. Prerequisite: Acceptance to the Student Apprenticeship Program. (Fall, Spring)

### 4321 Special Classroom and Behavior Management

Major approaches to behavior management and to meeting the needs of students with emotional, social, and behavior problems in a variety of settings; special attention to establishing supportive relationships with significant individuals in the learner's various environments and communities. 15 hours of practicum required. (As needed)

### 4323 Testing for Teaching

Curriculum based assessment. Alternatives for assessing status in academic subjects and adaptive functioning and intervention strategies for remediation of academic and adaptive functioning. Norm. Referenced and informal testing. (As needed)

### 4324 Seminar in Specific Learning Problems

Study of individuals identified as learning disabled, history of the field, various intervention approaches and service delivery models. 15 hours of practicum experience required. (As needed)

### 4325 Vocational Training and Independent Living

Alternatives for post-secondary vocational and living arrangements are researched. Particular attention is given to development of Individual Transition Plans and the cooperative arrangements between schools and other agencies. Thirty-hour practicum in a rehabilitation setting is required. (As needed)

## VII. DESCRIPTION OF COURSES

### 4326 Vocational Assessment and Rehabilitation

Research into the available assessment instruments for determining vocational intervention and programming. Special consideration to the application of the assessment data in intervention. (As needed)

### 4310 Literacy Across the Curriculum

This course presents a transactional view of reading and addresses methods content area teachers can use to enhance the reading abilities of their students. It emphasizes the important role content area teachers play in helping students become active readers who link the words on a page with their growing knowledge of a subject. (As needed)

### 4345 Creative Play and Play Environments

This course is an introduction to the study of the role of play and creative expression through the visual arts, music, creative drama and other play activities. Theoretical frameworks of play, the characteristics of play, the importance of play, the stages of social and cognitive play, types of playgrounds, outdoor environments for children of different ages and with diverse needs, play materials, and learner centered play will be studied. This course is part of the early childhood sequence for pre-service teachers. It cannot be repeated for credit. This course is required for all interdisciplinary studies majors and all-level education minors. Fee. (Fall for IDS majors seeking certification, Spring for all-level education minors and non-certification IDS majors)

### 4371 Survey of Exceptionalities

The types and characteristics of potentially handicapping conditions including causative factors, models of service delivery, investigation of all federal and state laws and regulations affecting special education. (As needed)

### 4372 Cognitive Structures and Language Development

A survey of major cognitive and behaviorist theories of learning, Particular emphasis on applications to the language, cognitive and social development of children and youth with disabilities and to the development of a second language. This course cannot be repeated for credit. (Spring)

### 4373 Methods and Materials for Teaching Learners with Disabilities

Models and approaches to meeting the needs of students with handicaps in a variety of instructional settings; specific instructional methods and techniques; locating, evaluating, selecting and/or creating/adapting instructional materials and technology. 15 hours of practicum required. (As needed)

### 4380 TESOL Practicum

This course provides guidance in applying theory and methodology as well as observation in order to gain insights to the needs of second language learners and to develop strategies to facilitate their learning. This will be accomplished through fieldwork, regular class meetings, and journals. Prerequisites: ENGL 2383 and 4360. (As needed)



## VII. DESCRIPTION OF COURSES

### 4605 Student Apprenticeship/Internship

This course is required for Texas teacher certification and is taken during the final semester of study. It requires a full time commitment by the prospective teacher during the normal school day (7:30 AM-4:00 PM) and takes place ON SITE in a school assigned by the Field Placement Coordinator and the Director of Teacher Education. Because of the scheduling differences between Texas school calendars and the UIW calendar, students will be required to begin/end this course at times not coinciding with the UIW schedule. Students must attend teacher in-service meetings, faculty meetings, as well as all other required meetings and/or extracurricular events required by the mentor teacher or the school administration. This course must be taken in conjunction with EDUC 4305: Student Apprenticeship Seminar. Prerequisite: Acceptance to the Student Apprenticeship Program. Fee. (Fall, Spring)

### ENGINEERING (ENGR)

[Program Description, page 196]

### 1201 Introduction to Engineering

This seminar course introduces both the engineering program at Incarnate Word and the engineering profession by assigning group projects, inviting guest lecturers, and covering engineering topics in decision analysis and professionalism.

### 1310 Engineering Graphics (CAD I)

This three hour course is an introduction to computer aided drafting. Student will learn the basics of technical drawing and mechanical design. The class is open to all interested students.

### 1312 Engineering Design (CAD II)

This three-hour course is a continuation of concepts learned in Engineering Graphics, ENGR 1310. Students will gain experience with engineering design and presentation. Topics will include: the design process, problem solving using the computer, and the use of presentation tools. Prerequisite: ENGR 1310, Engineering Graphics

### 2340 Computer Programming for Mathematics, Sciences and Engineering

This is an introductory course in C programming for mathematics, science, and engineering majors. Topics include: data types and related operations, floating errors, input/output, control structures, functions, arrays, data structure, files and strings processing. Program design, debugging techniques and good programming practices will also be discussed. Programming exercises and projects will emphasis on problems and applications in mathematics, sciences and engineering fields.

Although the C programming language is the main objective of the course, other tools used in mathematics, sciences and engineering, such as Matlab and Mathematica may be used at the discretion of the instructor in conjunction with C.

In consideration of the importance of Object Oriented Programming (OOP), the course will include some discussion about C++ and Java with examples and exercises on how the OOP principles are implemented. This will establish the basic

## VII. DESCRIPTION OF COURSES

foundation for further studies in that direction. Will not be counted toward the required mathematics credit on the Core. Prerequisites: MATH 1311 with a C or better or permission of the instructor.

### 3350 Statics and Dynamics

Students will study vector algebra, force systems, and free body diagrams; engineering applications of equilibrium, centroids, and moments of inertia; kinematics and kinetics of particles and plane rigid bodies, work and energy, impulse and momentum, and engineering applications. Prerequisite: PHYS 2305 or permission of instructor.

### 3455 Mechanics of Materials

This four-hour course will include both lecture and lab experiences. Students will study applications of conservation principles and stress/deformation relationships for continuous media. Student will examine effects to structural members; axially loaded members; thin-walled pressure vessels; torsional and flexural members; shear; moment; deflection of members; combined loadings; stability of columns; nonsymmetrical bending, shear center; indeterminate members; elastic foundations. Prerequisite: ENGR 3350

### 3460 Electronic Circuitry

This course includes both lecture and lab experiences. Students study the principles of electrical networks, electronic circuits, and of experimental linear circuit analysis. Prerequisite: PHYS 2306

### 4375 Thermodynamics

Students will study the theory and application of energy methods in engineering; conservation of mass and energy; energy transfer by heat, work and mass; thermodynamic properties; analysis of open and closed systems; the second law of thermodynamics and entropy; gas, vapor and refrigeration cycles. Prerequisite: PHYS 2305

### 4399 Special Topics In Engineering

This course will cover a variety of engineering topics that will change from semester to semester. Topics may include studies of construction, design, soils, structures, electronics, surveying, environment, conservation, or other current areas of interest in engineering

### 4490 Senior Project

A capstone course combining management and engineering experience. An original research project is undertaken, and there is a public presentation at the end of the semester. Permission of advisor required.

## ENGLISH (ENGL)

[Program Description, page 104]

### 1311 Composition I

Part of the UIW Core Curriculum, this is a writing-intensive course focusing on numerous rhetorical modes to develop main ideas. This course introduces students

## VII. DESCRIPTION OF COURSES

to creative, academic, and business writing and communication, emphasizing grammar and syntax, with a view to increasing expository writing skills and critical thinking ability. This course must be completed with a minimum grade of C. Prerequisite: Meet the UIW Academic Literacy requirements. (Every semester)

### 1311L Composition I with Lab

Part of the UIW Core Curriculum, this is a writing-intensive course focusing on numerous rhetorical modes to develop main ideas. This course introduces students to creative, academic, and business writing and communication, emphasizing grammar and syntax, with a view to increasing expository writing skills and critical thinking ability. This course must be completed with a minimum grade of C. Prerequisite: Admission to the University.

### 1312 Composition II

Part of the UIW Core Curriculum, this course is writing-intensive, focusing on diverse themes and stressing argumentative and persuasive writing. Special emphasis is placed on research skills and critical thinking ability. This course must be completed with a minimum grade of C. Prerequisite: ENGL 1311. (Every semester)

### 2310 World Literature Studies

Part of the UIW Core Curriculum, this course includes close reading and discussion of texts of all kinds from a wide range of periods and societies to reveal the diversity of literature as a means of cultural statement. Prerequisites: ENGL 1311, 1312. (Every semester)

### 2360 Literary Theory

Part of the Literary Studies and Criticism branch of the UIW English Program, this study of literary theory engages the student in several critical approaches to texts. Prerequisites: ENGL 1311, 1312. This course may be taken with ENGL 2310. May be taken as a Cultural Studies elective. (Every Semester)

### 2365 Professional and Technical Communication

Part of the Rhetoric and Professional Writing branch of the UIW English Program, this course is a survey of professional and technical writing, with emphasis on writing to various audiences; types of communication include job applications, reports, instructions, proposals, and other communications for business and industry. Prerequisites: ENGL 1311 and 1312. (Every Semester)

### 2383 Introduction to General Linguistics

Part of the Language Arts and Linguistics branch of the UIW English Program, this course is a study of the basic principles of language analysis and description, with application to English and other languages. It includes discussion of language acquisition, the physiology of language ability, the concept of standard language, and the implications of bilingualism and bi-dialectism in education and for society. May be taken as a Cultural Studies elective. Prerequisites: ENGL 1311, 1312. This course may be taken with ENGL 2310. (Fall)

## VII. DESCRIPTION OF COURSES

### 2330 Traditional Grammar

Part of the Language Arts and Linguistics branch of the UIW English Program, this course presents an overview of the grammatical structure of the English Language for native and non-native speakers. Students will study the traditional names for parts of speech and traditional terms for grammatical structure in English, and examine sentence structure analytically. The course will examine structure at both sentence and discourse level. Students will be required to recognize and produce grammatically acceptable writing in English. (Fall)

### 3310 English Literature Survey

Part of the Literary Studies and Criticism branch of the UIW English Program, this introductory survey of British Literature situates the study of literary production within a cultural and historical context. The course will examine the motifs of major authors and works as well as explore the impact of non-canonical authors and works. Prerequisites: ENGL 1311, 1312, and 2310. This course may be taken with ENGL 2360. May be taken as a Cultural Studies elective. (Fall)

### 3320 American Literature Survey

Part of the Literary Studies and Criticism branch of the UIW English Program, this course is an analytical survey of major and lesser-known writers from the precolonial period to the present. The course may emphasize certain periods and include writers from countries other than the United States. Prerequisites: ENGL 1311, 1312, and 2310. This course may be taken with ENGL 2360. May be taken as a Cultural Studies elective. (Spring)

### 3330 Genre Studies

Part of the Literary Studies and Criticism branch of the UIW English Program, this course is a study of critical theory and practice of representative examples from the major literary genres, with an emphasis on one of them (e.g. the novel, drama, short fiction, the epic, etc.). This course may be repeated for credit when the topic varies. Prerequisites: ENGL 1311, 1312, and 2310. May be taken as a Cultural Studies elective. (Spring, Summer, alternate years)

### 3355 Introduction to Rhetorical Theory

Part of the Rhetoric and Professional Writing branch of the UIW English Program, this course is a historical introduction to rhetorical theory with emphasis on application of rhetoric to socio-cultural issues, persuasion, and composition learning. Prerequisites: ENGL 1311, 1312, and 2310. May be taken as a Cultural Studies elective. (Fall)

### 3360 Rhetorical Criticism

Part of the Rhetorical Studies track of the UIW English Program, this study of Rhetorical Criticism engages the student in any of a number of critical approaches to rhetorical texts, both written and oral, from diverse genres and venues. Prerequisites: ENGL 1311, 1312, 2310 and 3355. (Spring)

### 3365 Editing and Publishing

Part of the Rhetoric and Professional Writing branch of the UIW English Program, this study of the academic literary periodical involves students in the

## VII. DESCRIPTION OF COURSES

editing, production, and distribution of the University's literary journal, *Quirk*. Prerequisites: ENGL 1311, 1312. This course may be taken with ENGL 2310. (Spring)

### 3375 Creative Writing

Part of the Rhetoric and Professional Writing branch of the UIW English Program, this workshop in the art of writing includes sampling contemporary literature, analyzing various genres, and the production and performance of original work. This course may be repeated for credit when the genre varies. Prerequisites: ENGL 1311, 1312, and 2310. (Every Semester)

### 3385 Integrated Language Arts

Part of the Language Arts and Linguistics branch of the UIW English Program, this study of language development and acquisition explores the content, methodologies and materials associated with teaching writing, reading, speaking, listening, and children's literature. Course assignments may include a practicum requirement. Prerequisites: ENGL 1311, 1312, and 2310. (Fall, Spring)

### 4301 Senior Seminar

The capstone course for undergraduate English majors, this course is designed to be taken in the student's senior year and involves the discussion and application of various critical methodologies; this course culminates in the writing of the senior thesis. Prerequisites: ENGL 1311, 1312, 2310, 2360, and a minimum of 12 hours of additional English courses. (Fall)

### 4320 Period Studies

Part of the Literary Studies and Criticism branch of the UIW English Program, this course examines the interplay of literary texts, literary theory and criticism, authors, historical culture, and events within a specific historic time-frame. Rather than a broad sweep, or a wide lens, this course will approach the subject through the close-up. This course may be repeated for credit when the topic varies. Prerequisites: ENGL 1311, 1312, 2310, and 2360. May be taken as a Cultural Studies elective. (Summer, Spring, alternate years)

### 4330 Internship

In this course, students earn academic credit through practical experience involving writing, editing, or related tasks. Students will work part-time in a professional setting under the guidance of a resident supervisor. 140-160 hours of work required. Prerequisites: ENGL 1311, 1312, and 2365 or 3365. (As needed)

### 4340 Major Authors

Part of the Literary Studies and Criticism branch of the UIW English Program, this course involves a detailed examination of an important writer. This course may be repeated for credit when the topic varies. When Shakespeare is the author, may be cross-listed with THAR 4385 Shakespeare. Prerequisites: ENGL 1311, 1312, and 2310. (Spring, Summer, alternate years)

## VII. DESCRIPTION OF COURSES

### 4350 Literary Movements

Part of the Literary Studies and Criticism branch of the UIW English Program, this course involves a detailed examination of a major literary movement. This course may be repeated for credit when the topic varies. Prerequisites: ENGL 1311, 1312, and 2310. May be taken as a Cultural Studies elective. (Summer, Spring, alternate years)

### 4355 Contemporary Rhetorical Theory

Part of the Rhetorical Studies track of the UIW English Program, this course engages students in the exploration of contemporary rhetorical theory as a way to examine the social, political, and cultural contexts and effects of discourse and action. Prerequisites: ENGL 1311, 1312, 2310 and 3355. (Spring, as needed)

### 4360 Applied Linguistics

Part of the Language Arts and Linguistics branch of the UIW English Program, this course is a close and complex examination of the structures and systems of language - words, sounds, and complete sentences - and their application to language development, diversity, acquisition, and teaching. Prerequisites: ENGL 1311, 1312, 2310, and 2383. (Spring, alternate years)

### 4367 Literature for Children and Young Adults

Part of the Language Arts and Linguistics branch of the UIW English Program, this course is an exploration of literature written for younger readers, including research in the development of reading interest and the study of selected books, films, and computer software reflecting both the language and culture. Prerequisites: ENGL 1311, 1312, and 2310. (Spring, Summer)

### 4370 Trends in Linguistics Studies

Part of the Language Arts and Linguistics branch of the UIW English Program, this course examines current significant research in the areas of linguistics: phonetics and phonology, syntax, semantics, language acquisition, psycholinguistics, sociolinguistics, and dialectology. This course may be repeated for credit when the topic varies. Prerequisites: ENGL 1311, 1312, 2310, and 2383. (Spring, alternate years)

### 4630 Internship

This course is the same as 4330 but involves 280-330 hours of work at the professional location. Prerequisites: ENGL 1311, 1312, and 2365 or 3365. (As needed)

## ENVIRONMENTAL SCIENCE (ENSC)

[Program Description, page 198]

### 1410 Environmental Science and Laboratory

Environmental Science is an integrated lecture and laboratory course involving the study of the physical and biological systems of the Earth, their complex connections and patterns, and human interactions with the environment. The course includes an examination of the challenges of preserving the productivity and diversity of biological systems for the continued maintenance of life on Earth. Fee.

## VII. DESCRIPTION OF COURSES

### 2315 Environmental Chemistry

This course examines inorganic, organic, physical, and biochemical principles related to environmental chemistry. Topics include photochemical smog, water and soil pollutants, and environmental ethics. Prerequisite: CHEM 1301, 1101, 1302, and 1102. Fee.

### 3410 Research in Soil Conservation and Laboratory

This course is a study of the social, environmental and economic value of soil, and the processes related to soil degradation. It includes an examination of the basic principles of soil management and soil conservation and associated use of best management practices, and a study of the technological advances that can be utilized to keep our soil resources sustainable. Prerequisite: BIOL 1401, 1402. Fee.

### 4203 Environmental Chemistry Laboratory

This course applies the diverse methods of chemical analysis to study the composition of water, soil, and atmosphere. Particular attention is paid to the movement and fate of pollutants in our biosphere. A limited scope field study will be performed to familiarize the students with the sampling and analysis of environmental samples. Prerequisite: CHEM 2311, 3421 and ENSC 4302. Fee.

### 4301 Aquatic Environmental Chemistry

This course provides environmental understanding of the principles of aquatic chemistry and equilibria as they apply to environmental systems including natural waters, wastewater and treated waters. Prerequisite: CHEM 2311, 2111, and 3421. Fee.

### 4302 Atmospheric Environmental Chemistry

This course investigates the structure and chemical composition of, and the chemical processes occurring in the Earth's atmosphere, including interactions with solar radiation, the stratospheric ozone layer, greenhouse effect, changes in the oxidation capacity of the troposphere, photochemical smog and acid rain. Prerequisite: CHEM 2311, 2111, and 3421. Fee.

### 4315 Environmental Science Research

This is a capstone course for Environmental Science majors. Students will use an integrated (interdisciplinary) approach for the study and analysis of an environmental problem. Prerequisite: Senior Environmental Science major. (Fall, Spring)

### 4415 Geographic Information Systems in Biology

Geographic Information Systems (GIS) in Biology is a computer assemblage that has the capability to create a comprehensive database with many layers of information. The assemblage provides visualization of spatial patterns by cross-referencing different layers of information. This course will concentrate on GIS application in Biology. Prerequisite: BIOL 1401, 1402. Cross-listed with BIOL 4415. Fee.

## VII. DESCRIPTION OF COURSES

### 4460 Research in Water Quality

This course includes applied biological and hydrological studies of the stream and associated floodplain environment including plant and macroinvertebrate survey, stream flow analysis, water chemistry, and applications of Geographic Information Systems (GIS) for accurate mapping and detailed field data recording. Prerequisite: Senior level Biology, Chemistry, Environmental Science majors. Other students must have permission of the instructor. Fee.

### 4499 Independent Study in Environmental Science

This course includes a specific research project on a biology or chemistry topic with approval from the student's advisor. Prerequisite: Senior level Biology, Chemistry, Environmental Science majors. Other students must have permission of the instructor. Fee.

## FASHION DESIGN (FADS)

[Program Description, page]

### 1320 Apparel Construction II

The purpose of this course is to prepare students to develop and apply intermediate and advanced construction techniques and couture sewing methods to new projects. Understanding commercial pattern guidelines for more complex construction projects and applying basic pattern alterations to these projects will be covered. Students will operate sewing equipment, pressing machines and recognize and identify basic sewing tools and equipment. Prerequisites: FMGT 1111, FMGT 1310, FMGT 2341, FMGT 1305 or FMER 2381 or 1332 or 1432. Fee. (Fall and Spring)

### 2331 Flat Pattern

Study and application of basic manual and computerized flat pattern principles and techniques. Prerequisite: Apparel II FADS 1320, FMGT 1332, and FMGT 2341 or FMGT 1322. Fee. (Fall and Spring)

### 3330 Advanced Design

This course encompasses the design process from inspiration through production. The focus is on the creative process, inspiration documentation, and design experimentation as well as the apparel production process as practiced in the industry. Prerequisites: Successful completion of Skills Assessment/Portfolio Review I and FADS 3325 or FMGT 4325, FADS 4332 or FMGT 3332, FADS 1320 or FMGT 3320, FADS 3333 or FMGT 3322. Fee. (Spring)

### 3325 Draping

Principles of apparel design through the three dimensional manipulation of fabric on a dress form; application of design principles to the development of ideas for apparel. Prerequisites: Successful completion of Skills Assessment/Portfolio Review I and FADS 1320 or FMGT 1322 and Flat Pattern FADS 2331 or FMGT 3331. Fee. (Fall and Spring)



## VII. DESCRIPTION OF COURSES

### 3333 Fashion Illustration

Illustration techniques for the rendering of fashion figures, fabrics, clothing, and flats using various mediums and surfaces. Special emphasis will be given to portfolio development. Prerequisites: Seminar FMGT 1111, Intro to FMGT 1305 or FMGT 2381, Apparel I FMGT 1310, ART 1301 or 1311, or ARTH 2361 or 2362, Textiles FMGT 2341. Fee. (Fall and Spring)

### 4314 Special Problems in Clothing

Individualized study of problems in fashion design techniques, including fabric selection, accessorization, and creative problem solving. Fee. Prerequisites: FMGT 1332, 1322, 3320, 3328, and permission of instructor.

### 4325 Tailoring

Applying advanced techniques in construction of tailored apparel. Prerequisites: Successful completion of Skills Assessment/Portfolio Review I and Apparel II FADS 1320 or FMGT 1322 and Fashion Illustration FADS 3333 or FMGT 3321. Fee. (Fall and Spring)

### 4332 Patternmaking Methods

Study and application of intermediate techniques of patternmaking using flat pattern, draping, and the computer. Prerequisite: Successful completion of Skills Assessment/Portfolio Review I and Flat Pattern FADS 2331 or FMGT 3331 Draping FADS 3325 or FMGT 4325. Fee. (Fall and Spring)

### 4340 Computer Illustration

Use of computer programs such as Adobe Illustrator and Photo Shop to render/edit fashion figures, flats, portfolio layouts, and fashion boards. Prerequisites: Successful completion of Skills Assessment/Portfolio Review I and Fashion Illustration FADS 3333 or Fashion Illustration II FMGT 3322 and COMP 1301. Fee. (Fall and Spring)

### 4350 Senior Collection I

Creative experience in the research, design, development, and execution of samples in preparation for Senior Collection II. Prerequisite: Successful completion of Skills Assessment/Portfolio Review II and Permission of instructor. Fee. (Fall)

### 4360 Senior Collection II

Primary focus is the execution of a collection of garments for public exhibition. In addition, materials developed for this course will be added to the portfolio in preparation for exit review. Prerequisites: Senior Collection I, FADS 4350 or FMGT 4320 and permission of instructor. Fee. (Spring)

## FASHION MANAGEMENT (FMGT)

[Program Description, page]

### 1111 Seminar in Fashion Management

An introduction to university procedures, the fashion management program and an overview of the fashion industry. This course is offered as part of a learning

## VII. DESCRIPTION OF COURSES

community with FMGT 1305, Introduction to Fashion Management. Co-Requisite: FMGT 1305, Introduction to Fashion Management or Prerequisite: FMER 2381. Fee. (Fall)

### 1305 Introduction to Fashion Management

This course covers the fundamental principles of merchandising involved in the design, production, and distribution of women's, men's, and children's apparel and accessories. This course is offered as part of a learning community with FMGT 1111, Seminar in Fashion Management. Co-Requisite: Seminar FMGT 1111. Fee. (Fall)

### 1307 Cultural Perspectives of Dress

Dimensions of individuality are explored in regard to the cultural, psychological, and sociological influences of dress; the physical aspects of appearance, elements and principles of clothing design, and consumer information are addressed. May be taken as a Cultural Studies elective. Fee. (Fall and Spring).

### 1310 Apparel Construction I

Development of basic sewing skills through the completion of construction samples and garments. The safe use of sewing tools, machines, sergers, and pressing equipment are emphasized. Fee. (Fall and Spring)

### 2341 Textiles

An introduction to textiles that provides a broad view of the development, production and utilization of fabrics and the impact they have on design and construction. The characteristics of different fibers, yarns, fabrics, and finishes are investigated. Prerequisites: Seminar FMGT 1111 and Intro to FMGT 1305 or FMER 2381 and Apparel I FMGT 1310 or 1332 or 1310 or 1432 or 1121. Fee. (Fall and Spring)

### 2350 Promotional Strategies in Fashion

The study of promotional strategies unique to the fashion industry. Special emphasis is placed on visual merchandising as one of the promotion mix elements relevant to the wholesale and retail levels of the fashion industry. Prerequisites: Seminar in Fashion Management FMGT 1111, Introduction to Fashion Management FMGT 1305 or FMER 2381, Cultural Perspectives of Dress FMGT 1307 or FMGT 1331 and Art 1301 or ART 1311. Fee. (Fall)

### 3327 Fashion History

This course is a chronological study of western dress and its relationship to society and culture from ancient Egyptian to contemporary times. (Fall and Spring)

### 3340 Textile Product Analysis

The study of textile product quality control issues important to manufacturers/designers, retailers, and consumers. Evaluating product quality based on appearance, cost, materials used, construction details, and end-use will be emphasized. Prerequisites: Seminar in Fashion Management FMGT 1111, Introduction to Fashion Management FMGT 1305 or FMER 2381 and Textiles FMGT 2341. Fee. (Spring)

## VII. DESCRIPTION OF COURSES

### 3383 Buying I

In-depth study of the numbers associated with merchandising and store operations: retail method of inventory, operating statements, pricing and re-pricing of retail merchandise, invoice mathematics, dollar planning and control, and review of reports and spreadsheets utilized for merchandising and dollar control. Prerequisites: Introduction to Fashion Management FMGT 1305 or FMER 2381, Promotion FMGT 2350 or FMER 2383, Cultural Perspectives of Dress FMGT 1307 or FMGT 1331, MATH 1304 or higher. Fee. (Fall and Spring)

### 4324 Surface Design

Graphic design emphasizing the creative and technical aspects of fabric manipulation. Elective. Prerequisites: Apparel II FADS 1320 or FMGT 1322 and Textiles FMGT 2341. Fee. (Fall)

### 4331 Fashion Show Production

Experience and participation in all aspects of fashion show production, including staging, lighting, sound, model selection, and publicity. Prerequisites: Apparel I FMGT 1310 or 1332 or 1432 or 1121. Textiles FMGT 2341 and Promotion FMGT 2350 or 2383. Fee. (Fall and Spring)

### 4350 Global Fashion Economics

Study of foreign textile and apparel manufacturing and retailing and its impact on domestic manufacturers and retailers; import program development, tariffs, quotas, financing, transportation, and other trade-related aspects. Prerequisites: Buying I FMGT 3383 or FMER 3383, Textile Product Analysis FMGT 3340, ECON 2301, BLAW 3317. Fee. (Spring)

### 4382 Portfolio

Process of developing a portfolio collection for a career in either fashion design, merchandising or other related positions in the industry. A variety of interview techniques and resume/portfolio styles will be discussed. Prerequisites: Fashion Illustration FADS 3333 or FMGT 3321. At least 12 hours in FMGT or FADS or FMER and Junior standing. Fee. (Fall)

## FASHION MERCHANDISING (FMER)

[Program Description, page]

### 4350 Fashion Entrepreneurship

Principles and procedures used in creating fashion related businesses to meet consumer demands, including consumer research, logistical issues, and strategic planning involved in writing a business plan. Examines various product and service offerings in traditional and non-traditional retail formats. Pre-requisites: Senior Standing and Textile Product Analysis, FMGT 3340; Promotion, FMGT 2350 or FMER 2383; Principles of Accounting or Accounting for Non-Business Majors, ACCT 2301 or 2311; Business Law BLAW 3317; Service Marketing, BMKT 3334 or Consumer Behavior, BMKT 3377; Human Resource Management, BMGT 3354; and Retailing, BMGT 3340. Fee. (Fall)

## VII. DESCRIPTION OF COURSES

### 4388 Internship: Merchandising

Supervised work experience in an approved, related-work environment. May be repeated for credit Prerequisites: 9 hours in FMER at the 3000 or above level and permission of instructor. Fee. (Summer)

### 4395 Buying II (Capstone)

The study of the roles and responsibilities of buyers within the fashion industry. Emphasis on retail buying functions, including developing merchandise plans, selecting products, negotiating terms, and monitoring performance through a semester-long buying simulation. Prerequisites: Fashion Entrepreneurship FMER 4350. Fee. (Spring)

## GEOGRAPHY (GEOG)

### 3311 Cultural Geography

World geography and related topics, including population demographics, migration, languages, religions, customs, cultural diffusion, politics, and selected topics. Intended primarily for education majors. May be taken as a Cultural Studies elective.

### 3312 Geography and Ethnic Groups of Texas and the Southwest

Migration and settlement of ethnic and cultural groups in Texas and the Southwest United States. May be taken as a Cultural Studies elective.

## GEOLOGY (GEOL)

[Program Description, page 200]

### 1111 World Geography Lab

This laboratory is a separate, optional one-credit course to be taken concurrently with GEOL 1311 World Geography for any student who wishes to fulfill the core lab science requirement. Topics include the study of the physical, cultural, political, and economic characteristics of the world's geographic regions using maps and Geographic Information System database and tools. Fees.

### 1112 Physical Geography Lab

This laboratory is a separate, optional one-credit course to be taken concurrently with GEOL 1321 World Geography for any student who wishes to fulfill the core lab science requirement. Topics include the study of the spatial aspects of the physical elements and processes that make up the environment through analysis of topographic, geologic, hydrologic, and climate and weather maps. Labs will also include the use and applications of Geographic Information System database and tools. Fees.

### 1311 World Geography

World Geography is the study of the physical, cultural, political, and economic characteristics of the world's geographic regions, their spatial relationships, and how these geographic regions interact with each other. Current and historical case studies are examined to study these relationships.

## VII. DESCRIPTION OF COURSES

### 1321 Physical Geography

Physical Geography is a study of the spatial aspects of the physical elements and processes that make up the environment that includes air, water, weather and climate, landforms, soils, animals, and plants of the Earth. Students will examine and analyze the components of the physical environment and how they are interconnected with each other

### 1401 Physical Geology

This course is a study of the physical processes that shape and modify the Earth's surface, the processes that operate within the Earth, the origin and nature of minerals and rocks, and concepts of plate tectonics. Occasional field trips will be arranged. Fee. (Fall)

### 1402 Historical Geology

This course is a study of the geologic history of the Earth based on the rock and fossil record. Course includes a detailed study of the origin and evolution of life on Earth. Occasional field trips will be arranged. Fee. (Spring)

### 1415 Astronomy

This course is an integrated lecture and laboratory survey of astronomy that includes the history of astronomy, telescopes, celestial mechanics, time and the seasons, the Earth's Moon, the Sun and the planets, the nature and origin of stars, stellar evolution, the origin and nature of the Milky Way galaxy, types of and nature of nebula, the nature of star clusters, the nature and origin of galaxies, and cosmology. Fee. (Spring)

### 1420 Oceanography

This course presents geological, physical, chemical, and biological studies of the Earth's oceans. Course includes a study of the origin and continuing evolution of the ocean basins, air-sea and land-sea interactions, and life in the oceans. Fee. (Fall)

### 2410 Earth Science

This course provides an introduction to the composition and structure of the Earth's atmosphere and the processes that produce weather; the physical, chemical, and biological environments in the world's oceans; physical and environmental geology; and the nature of the solar system, stars, galaxies, and the universe. Fee. (Fall, every two years)

### 3410 Geohydrology

This course studies the occurrence, movement, and water chemistry of groundwater. Course includes a study of the influence of the geologic environment on mass transport of chemical systems, hydraulic properties of geologic materials, groundwater flow modeling, and evaluation of groundwater resources. Prerequisite: GEOL 1401, 1402, or equivalent courses. (Fall, odd-numbered years)

### 3450 Environmental Geology

This course presents applied geological studies of interactions between people and the Earth's physical environment. Lecture and laboratory topics include evaluation of natural hazards, land-use planning, environmental impact analysis,

## VII. DESCRIPTION OF COURSES

and assessment of material resources of the Earth. Prerequisite: GEOL 1401. Fee. (Fall, even-numbered years)

### 3460 Geomorphology

This course is a study of the origin and evolution of landforms on the Earth's surface, the description and analysis of landforms, and the physiography of continental and ocean landforms. Course also includes topographic map, aerial photograph, and satellite photograph interpretation. Prerequisite: GEOL 1401. Fee. (Spring, even-numbered years)

## HISTORY (HIST)

[Program Description, page 107]

### 1311 World History, Part I

This course surveys major themes in the settlement by humans in the physical environment from Prehistory. The main emphasis will be on the complex interaction between human history and the environment as early societies develop. Special attention will be paid to the technology that humans develop to control the world around them. Fulfills CORE requirement. (Fall)

### 1312 World History, Part II

This course surveys major themes in the history of human development in the physical environment after the Middle Ages to the present. The main emphasis will be on the interaction between humans, their developing societies and the environment. The consequences of technology in relation to modernization, industrialization and human habitation form a central theme. Fulfills CORE requirement. (Spring)

### 1321 The United States to 1865

This course surveys the historical topics of U.S. History from pre-Columbian eras to the Civil War. The main emphasis is on the political, social, economic, and cultural events that shape the developing nation. Fulfills CORE requirement. (Fall)

### 1322 The United States Since 1865

This course surveys historical topics of U.S. History since Reconstruction to the present. The main emphasis is on the effects of modernization, industrialization and political changes that shape modern America. Fulfills CORE requirement. (Spring)

### 2322 Texas History

This course surveys the history of Texas from the Spanish Empire to Modern Texas. It studies the impact of the Spanish Empire, the nation of Mexico and twentieth century changes on the political, economic, and cultural history of Texas. Does not fulfill CORE requirement. May be taken as a Cultural Studies Elective. (Fall, Spring)

### 3324 Colonial America

This course studies the founding and development of the thirteen original colonies, and the political, cultural, religious and economic development of American society prior to the American Revolution. Prerequisites: HIST 1321.

## VII. DESCRIPTION OF COURSES

### 3325 U.S. National Period

This course studies the Constitutional convention and the presidencies of Washington to Monroe; the origin and impact of political parties; early commercial and industrial development; and changes in American political system and society. Prerequisites: HIST 1321

### 3326 The Rise of Modern America 1870-1920

This course studies the transformation of the United States from an agrarian to an industrial society; the rise of big business, immigration, organized labor, urbanization, populism, and progressivism. Prerequisites: HIST 1322

### 3327 United States from World War I to World War II

This course examines the social, political, and economic issues that influenced America between the world wars. Emphases include the Crash of 1929, the Depression, and the New Deal. Prerequisites: HIST 1322

### 3328 The United States since 1945

This course studies the various political, social, and economic issues that have influenced contemporary society since World War II. Prerequisite: HIST 1322

### 3331 Colonial Latin America

This course studies the establishment and development of the Spanish and Portuguese empires in America to the 1820s. Special emphasis on economic, social, racial, and religious values and traditions. May be taken as a CLST or INST elective. Prerequisites: HIST 1311

### 3332 Latin America Since Independence

This course is a study of the movement for independence, its origins and models. It includes Latin American realities, problems, and prospects in contemporary times. May be taken as a CLST or INST elective. Prerequisites: HIST 1312

### 3340 Modern Europe

This course studies the political, economic, and religious expansion of Europe from the 15th century to World War I; the rise of the modern state system and the nature of modern society since the French Revolution; the ideological roots and nature of totalitarianism as well as the role played by Europe in world affairs from the Cold War to the 1990s; the collapse of the Soviet Union and of Yugoslavia; and the ongoing efforts to create a united European Continent. May be taken as a CLST or INST elective. Prerequisites: HIST 1312

### 4332 Mexico

This course studies pre-Columbian civilizations, the Spanish heritage of Mexico, and the movement for independence; the eras of Benito Juarez and Porfirio Diaz; the Mexican Revolution, the rise of Mexican consciousness and the welfare state; and economic and political problems of today. May be taken as a CLST or INST elective. Prerequisites: HIST 1312

## VII. DESCRIPTION OF COURSES

### 4334 History of Portuguese America

This course analyzes of the impact of Portuguese expansion on Brazil from Henry the Navigator to Pedro II as well as the formation of independent Brazil through the 1990s. It studies the patterns of economics; the contributions of Amerindians, Africans, Europeans, and Asians in shaping Brazil's culture; and the nature of Brazilian politics and society. May be taken as a CLST or INST elective. Prerequisites: HIST 1312

### 4336 Topics in Chinese History

This course examines the history and culture of China from the earliest to the present times, topically and thematically. The themes to be addressed in the various topics taught are the rise and growth of the "traditional" Chinese state, the disintegration of China's confident world view during the eighteenth and nineteenth century, the intrusion of European influence and Japanese imperialism in China, and finally the re-emergence of China, merging the ancient traditions with the 19th century developments in the People's Republic of China. The various topics taught in the course will illustrate the interconnectedness of Asia, and point out the economic and cultural ties between various regions of Asia and other parts of the world. May be taken as a CLST or INST elective. May be repeated for credit. Prerequisite: None

### 4338 Topics in South Asian History

This course examines ancient, medieval and modern history of South Asia, thematically and topically. Topics taught under this course will address how the different factors, political, social, and economic and ideas of caste-class, religion and religious identities, gender, colonialism, nationalism and revolution and lastly regionalism have shaped and molded the region's history. May be repeated for credit. May be taken as a CLST or INST elective. Prerequisite: None

### 4341 Making History

This course examines historiography of American history, and important schools and representative historians and their works. It also includes study of different methods of research and writing history. Prerequisites: At least 3 semester hours of upper division History courses. May be taken as a CLST or INST elective.

### 4350 Topics in World History

This course focuses on a variety of topics in world history. These topics can include the history of Africa, the history of Eastern Europe, the history of Asia, and other topics, as they are needed by the department. May be taken as a CLST or INST elective. May be repeated for credit.

### 4352 Topics In U.S. History

This course provides an umbrella for the study of many political, social, economic, and cultural events and values that have shaped United States History. The topics can vary widely and will be shaped by the individual professor. The course gives an enriching opportunity for students to take a broad range of topics in American History. May be repeated for credit. May be taken as a CLST or INST elective. Prerequisite: None.



## VII. DESCRIPTION OF COURSES

### HUMAN RESOURCES (HRES)

[Program Description, page 156]

#### 3330 Human Resources and the Law

This course presents the laws that organizations must comply with in order to implement policies, procedures and fair employment practices when making decisions about people, at different stages of the employment cycle, including: hiring, assessing performance, promotions, compensation and termination. Prerequisites: BMGT 3340 and BMGT 3354.

#### 3340 Organizational Development

This course presents the research, practice and ethics relevant to organizational development, including: consulting skills, tools and techniques for analyzing problems, developing, implementing and evaluating organizational development interventions, and ethical issues at each stage of the consulting process. Prerequisites: BMGT 3340 and BMGT 3354. Cross-listed with ORGD 3340.

#### 3350 Staffing

This course presents the research and practice relevant to staffing an organization, including: sourcing, recruiting, pre-employment selection testing, interviewing, legal issues and job placement. Prerequisites: HR 3330.

#### 3360 Training & Development

This course presents the research and practice relevant to training and development in organizations, including: needs analysis, design, development, implementation and evaluation of training and development programs. Prerequisites: HR 3330.

#### 3370 Compensation and Benefits

This course presents the research and practice relevant to compensation and benefits, including: reward strategies, pay models, designing pay levels and structures, job evaluation, legal issues, benefit options, and international pay systems. Prerequisites: HR 3330.

#### 3380 Performance Management

This course presents the research and practice relevant to managing performance in the workplace, including: establishing and aligning goals and objectives, developing and setting performance standards, providing performance feedback, conducting performance appraisals, legal issues, and planning developmental opportunities. Prerequisites: HR 3330.

#### 4350 Leadership in Organizations

This course presents the research and practice relevant to leadership in organizations, including: theories of leadership, leadership styles, leadership roles and activities, and skills necessary for effective leadership. Prerequisite: HRES 3340 and BMGT 4355. Cross-listed with ORGD 4350.

## VII. DESCRIPTION OF COURSES

### 4380 Capstone in Human Resources

This is the final course for the BA in Human Resources. It is an integrative, problem-solving course in which the expertise gained in the major is applied to organizational situations through actual project work or case studies. Prerequisite: Completion of all other major requirement for the Bachelor of Arts in HR. ORGD 4380

### INTERNATIONAL STUDIES (INST)

[Program Description, page 223]

#### 1310 Introduction to International Studies

This course introduces students to various themes in International Studies through the examination of the ways different disciplines address issues central to the field of International Studies. Students will gain exposure to different ways of studying and researching that will guide them in their study of International Studies and the fostering of a global perspective.

#### 3110 International Studies Colloquium

This course provides an opportunity for students to synthesize the interdisciplinary nature of their course of studies. Students, working with their program advisor, will work to integrate the methods and theories they are defining and developing in their International Studies course work and apply them to their studies in the INST curriculum. This is a one-hour course to be taken for two semesters. Prerequisite: INST 1310.

#### 4390 International Studies Capstone

This course serves as the capstone course for a Major in International Studies. Students will examine and analyze the ways different cultures, histories, political institutions and economic systems interact. This course also addresses the multiple disciplines and issues encompassed in International Studies and its related scholarship. Students will participate in extensive research and discussions that will allow them to synthesize the varied aspects of international institutions, policies, relations, and related themes. Prerequisites: INST 1310 and 3110

### INTERIOR ENVIRONMENTAL DESIGN (INTD)

[Program Description, page 188]

#### 1355 Architectural Design I

Study of the basic criteria of design for the built environment. Integration of visual elements and organization of two and three-dimensional space with architectural form and function. Study of theories of major architects and designers and application in design. Fee. Prerequisite: INTD 1361. (Fall)

#### 1358 Introduction to Architectural Drawing and Illustration

Development of perceptual skills and standard graphic language used by designers as a means to design exploration and communication. Study of architectural sketching and basic rendering techniques. Study of orthographic projection and isometrics. Work in pencil and pen. (Spring) Prerequisite: None

## VII. DESCRIPTION OF COURSES

### 1361 Architectural Drawing I

Fundamentals of the use of architectural drawing equipment. Basic plan layouts and working drawings as a means of transmitting the designer's intent. To include schedules and some interior elevations. Work in pencil. Fee. (Fall) Prerequisites: None

### 1362 Architectural Drawing II

Continuation of Architectural Drawing I. In-depth practice of working drawings in elevation and section. Study of axonometric. Work in ink. Fee. Prerequisites: INTD 1361. (Fall)

### 2300 Basic Interior Design

Introductory lecture course for interior design majors, analyzing the elements and principles of design as applied to interior environments. Fundamentals of professional requirements, human factors, structural and environmental systems, properties and applications of interior materials and components of style. (Fall, Spring)

### 2320 Construction, Architectural Components, Systems, and Codes

Introduction into the process of how buildings are put together. Emphasis is on understanding and identifying the components common to all construction. Prerequisites: INTD 1361 (Spring)

### 2363 Architectural Graphics

Practice in various techniques of black and white and color rendering required for visual communication of the designer's concepts. Fee. Prerequisites: None (Fall)

### 2364 Color Theory

Developing sensitivity to the effects of color-physiologically, psychological, and emotionally, and the ability to control these elements through color application in various design situations. Prerequisites: INTD 1361 (Fall)

### 2370 Lighting and Design

Lighting products and their applications within interior environments. Lighting trends and how to create moods with lighting techniques. Technical terminology of lighting will be explored from the architect and designer point-of-view. Prerequisites: INTD 1361 (Spring)

### 2375 Space Planning

Principles and procedures of interior and open design systems for quick planning and design of commercial layouts, to include square footage calculations. Fee. Prerequisites: INTD 1361, 1362, (Fall)

### 3311 Business Interiors

Examination of functional and aesthetically pleasing working environments. Psychological and physical effects on workers and clients in relationship to the designed space are analyzed. Prerequisites: INTD 1362, 2320, 2370 (Fall)

## VII. DESCRIPTION OF COURSES

### 3350 Interior Materials

Developing good judgment in the purchase, use, and care of materials; identification of finishes, hard and soft surfacing, coloring, and application. Local field trips required. Prerequisites: INTD 1361, 1362, 2370 (Fall)

### 3362 History of Architecture and Furniture I

History of furniture interiors and architecture from Egyptian times to the French Renaissance. Prerequisites: None (Fall)

### 3363 History of Architecture and Furniture II

History of furniture interiors and architecture from the French Renaissance to the 20th Century. Prerequisites: None (Spring)

### 3367 Interior Design I

Introduction to solving problems for residential and commercial environments. Organizing and furnishing interiors, estimating cost of materials and furnishings. Projects to be jury critiqued. 6 studio hours a week. Fee. Prerequisites: INTD 1361, 1362, 2300, 2320, 2370, and 2363. (Fall)

### 3370 Interior Design II

Interior design problems of moderate scope. Studying human needs and behavioral patterns for specified environments. Design analysis and criticism of concepts. Fee. Prerequisites: INTD 3367. (Spring)

### 3472 Computer Aided Drafting and Design

Hands-on computer use with CAD software to explore space planning, architectural floor plans, elevations, and furniture layouts. Fee. Prerequisites: INTD 1358, 1361, and 1362. (Fall, Spring)

### 3375 Interior Design III

Design of larger scale interiors for residential and commercial structures. Analytical study of space and function. Developing presentation boards for color, furnishings, accessories, and building materials. Full perspective drawings with floor plan, elevations, and visual concepts. 6 studio hours a week. Fee. Prerequisite: INTD 3370. (Fall)

### 4320 Architectural Design II

Design of simple structures and dwellings with emphasis on the process by which design evaluations and decisions are made. Study scale models and presentation drawings. Fee. Prerequisites: INTD 1355, 1361, 1362, 2300, 2320, 2370, 3367 and 3370. (Fall)

### 4350 Project Management

This course is the study of the basic managing procedures of interior design projects through a series of detailed interrelated tasks. The designer must not only under take or initiate specific activities, but also know how to document the initiation, progress and completion of the tasks. Prerequisites: INTD 1361 and 1362

## VII. DESCRIPTION OF COURSES

### 4361 Work Experience in Interior Design

Supervised experiences in an approved related work situation to give the student new training experiences and different perspectives. May be taken during junior or senior year. Fee. (Spring)

### 4363 Environmental Controls

Architectural factors affecting interiors in the areas of sound, lighting, insulation, mechanical and electrical systems, and personal comfort. Prerequisites: INTD 1361, 1362 (Fall)

### 4375 Interior Design IV

Advanced problems in interior design. Coordination of total project including scope of work, furniture, accessories, materials, and lighting schedules. Projects to be jury critiqued. 6 studio hours a week. Fee. Prerequisites: INTD 3375, Senior level. (Spring)

### 4395 Professional Practice In Interior Design

Examination of the business practice and terminology within various business formations of sole proprietorships, partnerships and corporations. The study of written documents and forms; estimating and control of budgets. Senior level. (Spring)

## JUSTICE AND PEACE (JUSP)

[Program Description, page 223]

### 4300 Justice and Peace

This course serves as the capstone course for a major and concentration in Justice and Peace Studies. This course addresses the multiple disciplines and issues encompassed in Justice and Peace Studies and its related scholarship. Students will participate in extensive research and discussions that will allow them to synthesize the varied aspects of justice and peace and related themes. Students will critically examine the political and cultural conditions--locally, nationally, and globally--that facilitate or impede progress toward peace and justice. Service learning course.

## KINESIOLOGY (PEHP)

(see program description page 219)

### 1190 Activity Lab

Testing and assessment of motor skills used in individual and team sports. Recommendations for further development of proficiency in selected skills will be made as a result of the course evaluation.

### 2201 Tests and Measurement

Principles of measurement, statistical concepts, and standardized tests of performance-related and health-related fitness.

### 3105 Principles of Health

A study of health principles and activities for children that enhance positive lifestyle.

## VII. DESCRIPTION OF COURSES

### 3110 Middle School Physical Education

A view of middle school physical education students and movement programs to enhance motor performance and health-related performance.

### 3301 Motor and Fitness Development for Children

Motor development, physical fitness, rhythmic activities, tumbling skills, and perceptual awareness skills and their application to child development (Prerequisite: All Level Kinesiology Majors Only).

### 3302 Motor and Fitness Development for Pre-Adolescents

Further sequential development of motor skills, physical fitness, rhythmic activities, and tumbling skills. Prerequisite: All Level Kinesiology Majors Only.

### 3305 Motor Development, Fitness, and Health

An overview of the impact of motor and physical fitness development upon children from birth to pre-adolescence. Activities to enhance motor development and provide a healthy lifestyle.

### 3312 Motor and Fitness Development for Adolescents

Further sequential development of motor skills and physical fitness that foster the knowledge and skills needed for developing an active lifestyle and lifetime sport activities.

### 3314 Theories of Coaching

Practical application of coaching theories including coaching techniques and officiating.

### 3350 Theory of Movement Forms: Analysis and Construction

The interrelationship of kinematics and kinetics of motion. Physiological and psychological development of the child in relation to learning neuromuscular activities.

### 3371 Care and Prevention of Injuries

Basic first aid theory and skills. Techniques for the care and prevention of athletic injuries, including CPR.

### 4301 Principles of Human Movement

The humanistic foundations of movement with emphasis on history and philosophy. A study of the impact of motor learning, exercise physiology and biomechanics upon human physical performance (Prerequisite PEHP 3301 or PEHP 3302 or PEHP 3312)

### 4333 Fundamentals of Human Performance

The theoretical study and practical application of exercise through an understanding of the metabolic and energetic process. To include topics which impact performance such as body composition, nutrition, training, environment, aging, disease, and substance abuse.

## VII. DESCRIPTION OF COURSES

### 4345 Psychomotor Development: Educational Implications

Normal psychomotor development and study of the range of planned motor development and physical conditioning activities for young children and persons exhibiting delays in motor abilities.

### 4395 Practical Experience

(non-certification physical education)

### MATHEMATICS (MATH)

[Program Description, page 200]

### 0318 Introduction to Algebra, Geometry, Probability and Statistics

This course is a review of basic algebra, geometry, probability, and statistics concepts. It focuses on real numbers operations and properties, solving linear equations and inequalities, factoring, polynomial operations, the Pythagorean theorem, measurement, measures of central tendency, and simple probability. MATH 0318 is required of those students whose assessment scores in mathematics are below college level. This course serves as the prerequisite for MATH 0319. It does not meet the core mathematics requirements. (Every semester)

### 0319 Introductory Algebra

This course is a continuation of a review of basic algebra skills. It focuses on operations with polynomials, factoring, rational expressions, graphing linear equations, solving systems of equations and quadratic equations, simplifying expressions and equations with roots and radicals and understanding the concept of a function. Students must complete MATH 0318 with a C or better to be enrolled in this class. It does not meet the core mathematics requirements. (Every semester)

### 1304 College Algebra

This course covers algebraic operations, functions and functional notation; polynomial equations and inequalities; graphing techniques, graphs of polynomial and rational functions; logarithms and exponentials; and, problems from the physical and social sciences and business. Prerequisite: sufficiently high score on the mathematics section of the TAKS, the UIW mathematics placement test or completion of MATH 0318 and 0319. This course may serve as a prerequisite for MATH 1311. It will not count as an elective for mathematics majors. (Every semester)

### 1306 College Geometry

This course aims to convey depth in geometric thinking, as well as the breadth of geometrical connections to disciplines from the liberal and fine arts, business, engineering, and the sciences. Study will include the foundations of measurement and construction in plane and solid geometry described by Euclid. It is designed to satisfy the core requirement in mathematics for students whose major programs have no other mathematics requirement as well as enhance those programs with a strong mathematics component. Prerequisite: sufficiently high score on the mathematics section of the TAKS, the UIW mathematics placement exam or completion of MATH 0318. It will not count as an elective for mathematics majors. (Fall and Spring)

## VII. DESCRIPTION OF COURSES

### 1311 Precalculus

This course includes functions and their inverses, exponential, logarithmic, and trigonometric functions, analytic trigonometry, sequences and series, the binomial theorem; conics; parametric equations; and polar coordinates and graphs. Prerequisite: Math 1304 with a grade of C or better or sufficiently strong high school mathematics and SAT or ACT score. This course serves as a prerequisite for Math 2312. It will not count as an elective for mathematics majors. (Every semester)

### 2303 Introduction to Probability and Statistics

This course covers elementary probability theory, techniques of statistical inference including sampling theory, estimation procedures, and hypothesis testing. Prerequisite: sufficiently high score on the mathematics section of the TAKS, the UIW mathematics placement test or completion of MATH 0318. (Every semester)

### 2312 Calculus I

This course covers functions, limits, derivatives, and integrals; exponential and logarithmic functions; inverse trigonometric functions; and applications. Prerequisite: sufficiently strong high school mathematics and SAT score, MATH 1311 with a C or better or permission of the instructor. (Fall and Spring)

### 2313 Calculus II

This course covers formal integration, indeterminate forms, improper integrals, and infinite series. Prerequisite: MATH 2312 with a C or better or permission of the instructor. (Fall and Spring)

### 2314 Differential Equations

This course covers linear differential equations, series solutions, and applications. Prerequisite: MATH 2313 with a C or better or permission of the instructor. (Spring)

### 2322 Linear Algebra

This course covers vector spaces, linear transformations and matrices. Prerequisite: MATH 1304 with a C or better or permission of the instructor. (Fall of even-numbered years)

### 2374 Mathematics for Elementary Teachers

This course covers those mathematical topics considered as essential elements for teachers of elementary school mathematics. Development of mathematics concepts through the process of doing mathematics will create a foundation for mathematical understanding. Numerous problem-based activities are interwoven with a discussion of mathematical content to produce a course used to engage students in mathematics exploration. Prerequisite: Completion of MATH 1304 with a C or better. It will not count as an elective for mathematics majors or as a CORE mathematics course. This course serves as a prerequisite for MATH 2375. (Fall)



## VII. DESCRIPTION OF COURSES

### 2375 Mathematics and Science Pedagogy for Elementary Teachers

This course develops concepts through the process of active involvement and creates a foundation for mathematical and scientific understanding. Manipulative and science instructional kits provide the basis for developing the pedagogy of elementary pre-service teachers. Student error patterns are interwoven with a discussion of mathematics and science pedagogy to produce a course used to engage students in high quality mathematics and science instruction. Instructional and assessment strategies are chosen for the optimal preparation of teachers of elementary school mathematics and science. Prerequisites: Completion of MATH 1304, MATH 2374, and PYSC 2374 with a C or better. It will not count as an elective for mathematics majors or as a CORE mathematics course. (Spring)

### 3314 Calculus III

This course covers vectors, differential calculus of functions of several variables, multiple integrals, and applications. Prerequisite: MATH 2313 with a C or better or permission of the instructor. (Fall)

### 3320 Foundations of Higher Mathematics

This course is a rigorous development of ideas prerequisite to the study of abstract mathematics with emphasis on proving theorems involving logic, set theory, relations and functions. Prerequisite: 9 semester hours in mathematics or permission of instructor. (Fall)

### 3325 Abstract Algebra and Number Theory

This course introduces groups, rings, and fields. Algebraic ideas are developed in parallel with the considerations of congruence and congruence classes, which normally arise in elementary number theory. It includes applications to the theory of equations. Prerequisite: MATH 3320 with a C or better or permission of the instructor. (Spring of odd-numbered years)

### 3332 Statistical Methods

This is a three-hour course that covers graphical methods of descriptive statistics, random variables, probability distributions, Central Limit theorem, confidence intervals, one-sample and two-sample hypothesis tests for mean and proportion, Chi-Square test, correlation, and least-squares regression. (Fall of odd-numbered years)

### 3335 Geometry and Proof

This course aims to convey depth in geometry while including the foundations of analytic and transformational geometry, non-Euclidean and fractal geometry, logic theory, and the applications of trigonometry. (Fall of odd-numbered years)

### 3340 History of Mathematics

This course covers the historical development of mathematics, algebra, geometry, and the evolution of symbolism. Prerequisite: 9 semester hours in mathematics or permission of instructor. (Spring of odd-numbered years)

## VII. DESCRIPTION OF COURSES

### 3345 Time Series Analysis

This is a three-hour course that covers an introduction to univariate and multivariate time series models. It starts by introducing basic concepts and progresses to more complicated models. The course intends to meet two goals. It provides tools for empirical work with time series data and is an introduction into the theoretical foundation of time series models. (Spring of even-numbered years)

### 3350 Introduction to Real Analysis

This course covers includes limits and related proofs, sequences, continuity, theory of differentiation, and the Riemann integral. Prerequisite: MATH 3314 with a C or better. (Spring of even-numbered years)

### 3352 Statistical Software Packages

This is a three-hour course that covers an introduction to the use of statistical or mathematical applications for data analysis. (Spring of odd-numbered years)

### 3355 Introduction to Numerical Analysis

This course covers elementary numerical algorithms for mathematical and scientific computing: interpolation, numerical calculus, and numerical solutions to linear equation and equation systems, Eigenvalue problems, and matrix decompositions. Prerequisite: MATH 2313, MATH 2322, and one higher-level computer programming language (c, pascal, fortran, BASIC, etc), or instructor's permission. (Fall of odd-numbered years)

### 3360 Discrete Mathematics

This course is an introduction to non-continuous mathematics, which contains topics of interest in computer science, social science, management, and mathematics. Topics include logic, counting, relations, graph theory and algorithms. Prerequisite: MATH 3325 or permission of instructor. (Spring of even-numbered years)

### 3370 Mathematics Modeling

This course starts with an introduction of the concept of mathematics modeling. Major topics include qualitative Equations, matrices, data fitting and some introduction of modeling with Partial Differential Equations. Prerequisite: completion of MATH 2313 with a C or better or permission of the instructor.

### 4331 Introduction to Probability Theory

This course covers discrete and continuous probability spaces; random variables and their distributions; and connections to parametric and non-parametric investigations. Prerequisite: MATH 2313 and MATH 3320 or permission of instructor. (Fall of odd-numbered years)

### 4341 Modern Geometry

This course covers Euclidean and non-Euclidean geometries using both groups of transformations and sets of axioms to classify geometries. Applications and problem-solving within these geometries is addressed. Prerequisite: MATH 3320 with a C or better or permission of instructor. (Spring of odd-numbered years)

## VII. DESCRIPTION OF COURSES

### 4348 Introduction to Number theory

This is a three-hour course which includes the study of the division algorithm, the Euclidean algorithm, elementary properties of primes, congruences including Fermat's and Euler's theorem, quadratic congruences, primitive roots, indices and cryptology. Prerequisite: MATH 3320 with a C or better. (Spring of odd-numbered years)

### 4378 Statistics

This is a three-hour course that covers basic probability, Bayes' Theorem, random variables, discrete and continuous distributions, moments and generating functions, bivariate and multivariate distributions and their applications, and problems from the physical and social sciences and business.

### METEOROLOGY (METR)

[Program Description, page 202]

### 1125 Natural Hazards Lab

Topics in this lab course include the analysis and interpretation of geologic and topographic maps that illustrate earthquake zones, potential areas subject to tsunamis, volcanic eruptions and associated lahars, potential areas of landslides, and other hazardous geologic features. Labs also include analysis of floods and flood frequency, and impact of severe storms to hurricanes on the environment. Fee.

### 1325 Natural Hazards

Natural hazards is a survey of the natural events that affect the Earth including, severe thunderstorms, extreme hail events, lightning, hurricanes, tornadoes, floods, tsunami, earthquakes, and volcanic events.

### 1360 Climatology

Climatology is an introduction to the Earth's the basic physical concepts of weather and climate, the relationship between atmospheric processes and a variety of other aspects of our physical environment, Earth's history, agriculture, our economy, and society.

### 1430 Meteorology

This course is a study of the composition, structure, and physical properties of the Earth's atmosphere. Course includes a study of the interaction of the Earth's atmosphere with the land, oceans, and life on Earth. Fee. (Spring)

### 3310 Radar Meteorology

The course explores the physics of the primary ground-based remote sensors used for operational monitoring of the atmosphere. The capabilities and limitations of the various systems will be studied to determine their impact on applications. The use and applications of remote sensors will include meteorological radar and wind profilers. Prerequisites: METR 1430.

### 3315 Synoptic Meteorology I

Synoptic meteorology is an introduction to atmospheric structure, elementary thermodynamics, synoptic meteorology, and use of computers in meteorology. The

## VII. DESCRIPTION OF COURSES

course includes theory and practice of weather analysis and forecasting, surface and upper air analysis, fronts and wave cyclones, satellite meteorology, sounding analysis, thermodynamic diagram, cross sections, forecasting, NMC models, MOS, radar meteorology, severe weather. Prerequisites: METR 3310.

### 3320 Forecasting I

A survey forecast guidance products and the application of physical principles to weather forecasting and the interpretation and use of computer-generated forecast guidance products of the National Weather Service. Prerequisites: METR 3315

### 3325 Thermodynamic Meteorology

This course is a study of atmospheric processes that influence and play a part in the development and behavior of large-scale weather systems. Prerequisites: METR 3335, METR 3320, and MATH 2312

### 3330 Forecasting II

The course involves an application of physical principles to weather forecasting and the use and interpretation of computer-generated forecast guidance products of the National Weather Service. The course includes an introduction to the structure and dynamics of convective and mesoscale phenomena, including mesoscale convective systems, severe thunderstorms, tornadoes, low-level jets, mountain waves and hurricanes. Prerequisites: METR 3320.

### 3335 Severe Weather

Severe weather involves a detailed descriptive account of the physical processes important in the formation of various severe and unusual weather phenomena including: thunderstorms, tornadoes, hail storms, lightning, hurricanes, mid-latitude snowstorms, lake effect snows, atmospheric optical effects, and global climate change. Prerequisites: METR 1430

### 3340 Hydrology

The course is an overview of hydrological processes with emphasis on the hydrological cycle, surface hydrology, groundwater hydrology, measurement techniques and interpretation of stream flow, precipitation, soil moisture, and rainfall runoff. Prerequisites: METR 1430.

### 3345 Statistical Climatology

The course is a survey of the types of statistical weather data available for analysis and interpretation of climate and climate change. Statistical analysis includes examination of observational data and manipulation of the data on various temporal and spatial scales. Prerequisites: METR 3310.

### 3350 Synoptic Meteorology II

The course is a study of the theory and practice of weather analysis and forecasting, surface and upper air analysis, fronts and wave cyclones, satellite meteorology, sounding analysis, thermodynamic diagram, cross sections, forecasting, NMC models, MOS, radar meteorology, severe weather. Prerequisites: METR 3315

## VII. DESCRIPTION OF COURSES

### 3355 Geographic Information Systems (GIS) in Meteorology

This course deals with the design and implementation and use of GIS in decision-making and problem solving in meteorology. This course will further the students understanding of how GIS can be implemented and utilized in weather related operations areas. Prerequisite: METR 3310

### 3360 Satellite Meteorology

The course focuses on applications of remote sensing of the atmosphere using satellite observations, including cloud detection and the retrieval of atmospheric temperature, and atmospheric moisture and ozone content. The course also teaches the interpretation of imagery collected from weather satellites. Prerequisites: METR 3310.

### 3365 Physical Meteorology

This course is a study of optical, electrical, acoustic, and thermodynamic properties of the atmosphere including physical processes that transport momentum, energy, and water vertically in the atmosphere. These physical processes include turbulence and convection, cloud formation and precipitation, and radiative transfer. Prerequisites: METR 3325.

### 3370 Atmospheric Dynamics

This course involves observational and theoretical analysis of all motion systems of meteorological significance, including such diverse phenomena as thunderstorms, tornadoes, gravity waves, tropical hurricanes, extratropical cyclones, jet streams, and global-scale circulations. Fundamental principles of physics are applied to explain the dynamical processes that operate in the Earth's atmosphere. Prerequisites: METR 3325.

### 4310 Weathercasting I

The course is a survey of weather graphic systems used in the broadcast industry and their use in developing weathercasts for television. Prerequisites: METR 3330, METR 3350.

### 4315 Air Pollution Meteorology

The course explores the physics and chemistry of air pollution in the Earth's atmosphere. Topics covered throughout the course include types of air pollutants, local and global distribution of pollutants, production and transport mechanisms of pollutants, and pollution sinks. The effects of air pollution will also be examined including the monitoring, surveillance, and management of air quality. Prerequisites: METR 1430

### 4320 Weathercasting II

The course includes the use and application of weather graphic systems to develop on-air weather broadcasts, with an emphasis on severe weather coverage. Prerequisite: METR 4310.

### 4325 Climate Modeling

This course involves the study and applications of computer models to predict short-term and long-term climate changes on the Earth. Topics covered include the

## VII. DESCRIPTION OF COURSES

use and application of models to predict short-term (10-50 years) changes in temperature and precipitation at local and regional levels, longer-term (50-100 years) changes in concentrations of selected atmospheric gases such as carbon dioxide, and long-term changes (greater than 100 years) in global climate including changes in concentrations in greenhouse gases, global warming, sea level, and sea surface temperature. Prerequisites: METR 1430

### 4330 Workshop in Meteorology

This course is designed to provide the student with a series of meteorological short-courses in a professional conference format with opportunities for students to present case studies of selected weather events/phenomena and to hear presentations from, among others, the National Weather Service, NOAA, NASA, EPA and UIW faculty. Prerequisites: Completion of all course requirements for the Broadcast Meteorology program.

### 4371 Special Topics in Meteorology

This course includes an in-depth study of one or more of the following topics in forecasting, Weathercasting, applications of GIS in meteorology, severe weather, and climate studies. Prerequisite: 18 hours of upper-level Meteorology courses.

## MODERN LANGUAGES

### 1311, 1312 Elementary Modern Language

This course introduces students to the fundamentals of a foreign language with emphasis on developing listening, comprehension, and speaking skills. It includes activities for developing abilities in speaking, listening, reading, and writing. Three class hours. Individual laboratory. Prerequisite: 1311 is required before students may enroll in 1312. (1311 Fall, 1312 Spring)

### 2311, 2312 Intermediate Modern Language

This course provides increased practice in oral communication, with emphasis on discussion and writing about cultural and literary readings. It includes a review of grammar and usage. Three class hours. Individual laboratory. Prerequisites: Elementary Modern Language 1311 and 1312 or equivalent. 2312 requires 2311, or the equivalent proficiency, as determined by the instructor. (2311 Fall, 2312 Spring)

### 4XXX Topics in Advanced Modern Languages

This course offers advanced study in a modern language, including grammar, composition, linguistics, culture, or literature. It is available with variable credits and may be repeated for credit when topics vary. Prerequisites: Six hours of intermediate study in the same modern language or consent of the instructor. Credits vary according to the topic selection. (As required)

## VII. DESCRIPTION OF COURSES

### MUSIC, APPLIED PRIVATE (MUAP)

#### APPLIED MUSIC, PRIVATE INSTRUCTION (MUAP)

##### 1354, 1355, 2354, 2355, 3354, 3355, 4354, 4355 Private Instruction: Instrumental

Instruction is offered on an individual basis for the following instruments: Bassoon, Oboe, English Horn, Clarinet, Bass Clarinet, Double Bass, Flute, Horn, Saxophone, Percussion, Trumpet, Euphonium, Trombone, Cello, Viola, Violin, and Harp. Note: private instruction in Electric Bass and Electric Guitar are available at the 1354 level, but may not be chosen as principal instruments. Repertoire and technique start at the beginning university level and advance as specified in the course syllabi. The students must provide their own instrument. Placement is determined by the instructor. Prerequisites: Permission of the instructor. Fee (Every semester)

##### 1344, 1345, 2344, 2345, 3344, 3345, 4344, 4345 Private Instruction: Guitar

Instruction in guitar is offered on an individual basis. Repertoire and technique start at the beginning university level and advance as specified in the course syllabi. Placement is determined by the instructor. Prerequisites: permission of the instructor. Fee (Every semester)

##### 1365, 1366, 2365, 2366, 3365, 3366, 4365, 4366 Private Instruction: Organ

Instruction in organ is offered on an individual basis. Repertoire and technique start at the beginning university level and advance as specified in the course syllabi. Placement is determined by the instructor. Prerequisites: Permission of the instructor. Fee (Every semester)

##### 1376, 1377, 2376, 2377, 3376, 3377, 4376, 4377 Private Instruction: Voice

Instruction in voice is offered on an individual basis. Repertoire and technique start at the beginning university level and advance as specified in the course syllabi. Placement is determined by the instructor. Prerequisites: MUSI 1311 Singing for Beginners or permission of instructor. Fee. (Every semester)

##### 4378 Private Instruction: Vocal Coaching

Instruction in vocal coaching is offered on an individual basis. This course entails the musical, lingual, and interpretative preparation of advanced vocal repertoire. Prerequisite: Permission of the instructor. Student must be concurrently enrolled in Private Instruction: Voice MUAP 3376, MUAP 3377, MUAP 4376, or MUAP 4377. Fee (Every semester)

##### 1387, 1388, 2387, 2388, 3387, 3388, 4387, 4388 Private Instruction: Piano

Instruction in piano is offered on an individual basis. Repertoire and technique start at the beginning university level and advance as specified in the course syllabi.

## VII. DESCRIPTION OF COURSES

Placement is determined by the instructor. Prerequisites: permission of the instructor. Fee (Every semester)

### 2356, 2357, 3356, 3357, 4356, 4357 Private Instruction: Composition

Instruction in composition is offered on an individual basis. Level of instruction ranges from introductory to advanced as specified in the course syllabi. Students will create original music and will also receive training in the use of computer music notation software. The instructor determines placement. Prerequisites: MUSI 1322, Music Theory II, MUSI 1192, Aural Skills II, and permission of the instructor. Fee (Every semester)

### 3358 Private Instruction: Electronic Composition

Instruction in electronic composition is offered on an individual basis. The purpose of this course is to prepare students to create musical compositions using electronic instruments and computer software. Prerequisite: MUSI 3324 Music Theory IV and permission of the instructor. May be repeated for credit. Fee (Every semester)

### 3389 Private Instruction: Jazz Improvisation

Instruction in jazz improvisation is offered on an individual basis. The purpose of this course is to help students develop as improvisers in the jazz idiom. Prerequisite: MUSI 3324 Music Theory IV and permission of instructor. Fee (Every semester)

## MUSIC AND ENSEMBLE (MUSI)

[Program Description, page 113]

### 1131 Cardinal Chorale

Open to all members of the Incarnate Word Community, the Chorale is the primary vocal ensemble at UIW. Partially fulfills the CORE Fine Arts requirement. The Chorale represents the University in concerts and public performances throughout the school year. May be repeated for credit. Admission by audition only. Fee (Every semester)

### 1140 Cardinal Band

The Cardinal Band represents the university in concerts, home football games, and public performances throughout the school year. It partially fulfills the Core Fine Arts requirement. Admission by audition only. Fee. (Fall semester)

### 1165 Brass Ensemble

The Brass Ensemble is devoted to the performance of brass ensemble music. Partially fulfills the CORE Fine Arts requirement for non-music majors and music minors. Admission by audition only. Fee. (Every Semester)

### 1181 Orchestra

The UIW Community Orchestra is a performing group open to all students of the University and musicians from the San Antonio area that have instrumental performing experience. Partially fulfills the CORE Fine Arts requirement. May be repeated for credit. Admission by audition only. Fee (Every semester)



## VII. DESCRIPTION OF COURSES

### 1182 Jazz Ensemble

The Jazz Ensemble performs a variety of jazz and contemporary styles of music. Partially fulfills the CORE Fine Arts requirement. Admission by audition only. Fee. (Every semester)

### 1183 Flute Choir

The Flute Choir performs ensemble music for flutes. Literature from all eras is studied and performed. Partially fulfills the CORE Fine Arts requirement for non-music majors and music minors. Admission by audition only. Fee. (Every semester)

### 1185 Wind Ensemble

The UIW wind ensemble is comprised of students and members of the community who play brass, woodwind, and percussion instruments. Wind ensemble repertoire of various styles and historical periods is performed. Partially fulfills the CORE Fine Arts requirement. Admission by audition only. Fee. (Spring semester)

### 1100 Introduction to Aural Skills

This course is an introduction to aural skills for students who have little previous experience in ear training. Required for all entering freshman music majors or minors who score 69% or less in the aural skills entrance diagnostic test. Must be taken with MUSI 1300 Introduction to Music Theory. (As needed)

### 1191 Aural Skills I

This course covers melodic, harmonic, and rhythmic dictation; ear training; and sight singing. Prerequisite: score of at least 70% on the aural skills entrance diagnostic test. Must be taken with MUSI 1321 Music Theory I. (Fall)

### 1192 Aural Skills II

This course is a continuation of MUSI 1191. Prerequisite: MUSI 1191. Must be taken with MUSI 1322 Music Theory II. (Spring)

### 1300 Introduction to Music Theory

This course is an introduction to music theory for students who have little previous experience with technical aspects of music. Required for all entering freshman music majors or minors who score 69% or less in the music theory entrance diagnostic test. Must be taken with MUSI 1100 Introduction to Aural Skills. (As needed)

### 1310 Keyboard Skills for Music Majors

This course is designed to provide music students with the necessary skills to pass the piano proficiency examination required for all music majors. The final examination in this course serves as the piano proficiency examination. Prerequisite: MUSI 1322 Music Theory II. This course may not be repeated for credit. (Spring)

## VII. DESCRIPTION OF COURSES

### 1311 Singing for Beginners

This course is especially designed for non-music majors and non-voice majors. It focuses on principles of breathing and tone production, fundamentals of diction, basic music reading, and simple songs. May be repeated for credit. Fulfills CORE Fine Arts requirement. (Every semester)

### 1320 Music Appreciation

This course exposes the non-musician to the basic mechanics of music and music making (instruments, sound, rhythm, texture, etc.) and also to a wide variety of musical styles, from the middle ages to the pop genres of the present. It is expected that students will obtain the tools and the experience necessary in order to develop the capacity to understand and value different musical styles. It fulfills the CORE Fine Arts requirement. No prerequisite. (Fall)

### 1321 Music Theory I

This is the first of a four-course sequence designed to offer an introduction to the principles and practice of harmony in Western Music from the seventeenth century to the present day. Prerequisite: score of at least 70% on the theory entrance diagnostic test. Must be taken with MUSI 1191 Aural Skills I. (Fall)

### 1322 Music Theory II

This is the second of a four-course sequence designed to offer an introduction to the principles and practice of harmony in Western Music from the seventeenth century to the present day. Prerequisite: MUSI 1321 Music Theory I. Must be taken with MUSI 1192 Aural Skills II. (Spring)

### 1381 Class Piano

This beginning-level course is especially designed for non-music majors. Basic music reading skills are developed and basic popular repertoire is covered. Fulfills CORE Fine Arts requirement. No prerequisite. (Every semester)

### 1391 Class Guitar

This beginning-level course is especially designed for non-music majors. Students will learn the fundamentals of reading music as well as basic right and left hand guitar technique. Students must provide their own guitar. Fulfills CORE Fine Arts requirement. No prerequisite. (Every semester)

### 2111 Opera Workshop

This course prepares small operatic ensembles for public performance, and includes the production of Opera Scenes. Prerequisite: advanced singing and music reading skills. Admission by audition only. May be repeated for credit. Fee. (As needed)

### 2132 Madrigal Singers

Madrigal Singers is a select vocal ensemble. Prerequisite: Concurrent enrollment in MUSI 1131 Chorale, and audition with instructor. Partially fulfills the CORE Fine Arts requirement for non-music majors and music minors. May be repeated for credit. Fee (Every semester)

## VII. DESCRIPTION OF COURSES

### 2193 Advanced Aural Skills III

This course is a continuation of MUSI 1192. Prerequisite: MUSI 1192 Must be taken with MUSI 2323. Aural Skills II. (Fall)

### 2194 Advanced Aural Skills IV

This course is a continuation of MUSI 2193. Prerequisite: MUSI 2193 Advanced Aural Skills III. Must be taken with MUSI 3324. (Spring)

### 2323 Music Theory III

This is the third of a four-course sequence designed to offer an introduction to the principles and practice of harmony in Western Music from the seventeenth century to the present day. Must be taken with MUSI 2193. Prerequisite: MUSI 1322 Music Theory II. (Fall)

### 2346 History of Jazz

This course offers a survey of jazz artists and jazz styles; topics include: Cultural and musical origins of jazz, blues, ragtime, Dixieland, the swing era, bebop, fusion, contemporary styles, and artists associated with all of these. Fulfills CORE Fine Arts requirement for non-majors; available to music majors as an elective. No prerequisite. May be taken as a Cultural Studies elective. (As needed)

### 2350 Survey of Musical Theatre in the U.S.

This course surveys musical theatre in the United States. Genres explored include musical revues, opera, operetta and musicals with a special emphasis on 20th century Broadway. Open to non-majors. This course is cross-listed with THAR 2350. No prerequisites. Fulfills CORE Fine Arts requirement. (As needed)

### 3323 Orchestration

This course covers instrumentation and aspects of orchestration so that the student will learn how to score and arrange music for various types of small and large ensembles. Prerequisite: MUSI 3324 Music Theory IV (As needed)

### 3324 Music Theory IV

This is the fourth of a four-course sequence designed to offer an introduction to the principles and practice of harmony in Western Music from the seventeenth century to the present day. Must be taken with MUSI 2194. Prerequisite: MUSI 2323 Music Theory III. (Spring)

### 3327 Counterpoint

Renaissance and Baroque styles of polyphony in analysis, performance, and composition are taught in this class. Prerequisite: MUSI 3324 Music Theory IV. (As needed)

### 3350 American Popular Music

Survey of the development of American popular music, from its roots in the merging of colonial European, African, and Native American styles, to the development in the twentieth century of blues, rock-and-roll, rap, salsa, and other

## VII. DESCRIPTION OF COURSES

popular contemporary styles of North and South America. Open to non-majors. No prerequisite. Fulfills CORE requirements for Fine Arts. (As needed)

### 3341 Music History I

This course is designed to introduce music major and minors to the different musical styles, composers, genres, and aesthetic views of the Western world from the time of the ancient Greeks to the time of Mozart and Haydn. Prerequisite: MUSI 1322 Music Theory II. (Fall)

### 3342 Music History II

This course is designed to introduce music majors and minors to the different musical styles, composers, genres, and aesthetic views of the Western world from the time of Beethoven to the present. Prerequisite: MUSI 3341 Music History I or permission of instructor. (Spring)

### 3343 Pedagogy of Contemporary Music Education

This course explores the various philosophies and techniques as developed by Kodaly, Orff, Dalcroze, and Suzuki, as well as the development of music education in the United States. Required for elementary music certification. Prerequisite: MUSI 3324 Music Theory IV. (As needed)

### 3344 Creative Development in Music I

This course addresses developmentally age appropriate skills and music for use in the elementary classroom. Required for all-level music certification. Prerequisite: MUSI 1322 Music Theory II. (As needed)

### 3345 Brass and Woodwinds Instrument Techniques

This course covers basic performance and teaching techniques of brass and woodwind instruments. Prerequisite: MUSI 1322 Music Theory II. Fee (As needed)

### 3346 String and Percussion Instrument Techniques

This course covers basic performance and teaching techniques of string and percussion instruments. Prerequisite: MUSI 1322 Music Theory II. Fee (As needed)

### 3347 Survey/Appreciation of Opera

This course provides students with an in-depth experience of the history of opera, the elements of opera, and the major representative works of the genre. Fulfills CORE curriculum Fine Arts requirement. No prerequisite. (As needed)

### 3348 Studies in World Music

This course explores the music of a variety of world cultures and addresses issues related to contemporary music production, mass-media proliferation, and cultural appropriation. Required for all music majors. Available to music minors as an upper division elective with permission of the instructor. Prerequisite: MUSI 3342 Music History II, or permission of instructor. May be taken as a cultural studies elective, with permission of instructor. (As needed)

## VII. DESCRIPTION OF COURSES

### 3349 Women In Music

This course is a biographical, historical, and sociological study of the contributions women have made in Western music from the ninth century to the present. Fulfills the CORE Fine Arts requirement.

### 3361 Vocal Techniques and Diction

This course addresses vocal pedagogy, methods and materials, at all classroom levels, plus the study and application of Spanish, Italian, German, French, and English vocal diction. Required for voice and teacher certification majors. Prerequisite: MUSI 3324. (As needed)

### 3388 Internship in Liturgical Music

This course is designed to teach the professional and practical skills for organizing, directing, and playing for liturgical services. Prerequisite: advanced keyboard skills and permission of instructor. (As needed)

### 4323 Form and Analysis

This is an advanced course in stylistic analysis; it is designed for advanced music majors as a practical application of their previous studies in music history, theory, and performance. This course entails comprehensive analysis of all aspects of musical style, including form, harmonic language, texture, and instrumentation. Required for all music majors except students seeking a Bachelor of Music in Music Therapy, or a Bachelor of Arts with an emphasis in Music Industry Studies. Available to music minors as an upper division elective with permission of the instructor. Prerequisite: MUSI 3324 Music Theory IV. (As needed)

### 4343 Creative Development in Music II

This course addresses developmentally age appropriate skills and music for use in the middle school, junior high, and high school classroom. Required for all-level music certification. Prerequisite: MUSI 1322 Music Theory II. (As needed)

### 4344 Conducting

This course explores the theory and practice of techniques of choral and instrumental conducting. It includes practical conducting activities. Prerequisite: MUSI 3324 Music Theory IV. (Spring)

## MUSIC INDUSTRY STUDIES (MUST)

[Program Description, page 113]

### 1301 Introduction to Music Technology

This course will cover most of the important music software and hardware that today's musicians and music educators are using to create, record, edit, teach, and publish music. Prerequisites: basic music reading ability, basic keyboard skills, and permission of instructor. (Fall).

### 2325 Studio Arranging

This course covers the arranging of commercial music for acoustic instruments and voices, and for electronic instruments, including synthesizers; drum machines, and sequencers, for production in a recording studio. Prerequisites: MUSI

## VII. DESCRIPTION OF COURSES

1321 Music Theory I, MUSI 1322 Music Theory II, MUSI 2323 Music Theory III and at least 3 semester hours of vocal or instrumental ensemble, or permission of the instructor. Fee. May be repeated for credit. (As needed)

### 2340 Introduction to Music Industry Studies

This course is a survey of the component areas of contemporary music industries, including recording technologies, music publishing, music marketing, and artist management. This class addresses possible focuses within the music industry. In addition to class work, there will be three on-site music business practicum experiences. No prerequisites. (Fall)

### 2350 Music Industry Studies II

This course focuses on all music industry careers not covered in MUST 2340 Introduction to Music Industry Studies. In addition to class work, there will be three on-site music business practicum experiences. No prerequisites. (Spring)

### 2259 Introductory Internship in Music Industry Studies

This course is designed to give the student firsthand experience in an area of the music industry. Work experience is coordinated through local, music related facilities. The internship can also be done in any out-of-town location during the summer. Prerequisites: MUST 2340 Introduction to Music Industry Studies, MUST 2350 Music Industry Studies II. (As needed).

### 3305 Record Production

This course will cover all aspects of record production in the twenty-first century, focusing on the tools and techniques used in today's modern recording studios. Prerequisites: MUST 2340 Intro to Music Industry Studies, MUST 2350 Music Industry Studies II, MUST 2325 Studio Arranging or demonstrated proficiency with MIDI sequencing software and permission of instructor. (Fall)

### 3320 Web Design for Music Applications

This course will present all the basic concepts and techniques necessary for designing and implementing music related web sites. Prerequisite: MUST 2340 Introduction to Music Industry Studies or MUST 2350 Music Industry Studies II. (Spring)

### 3390 Introduction to Film Scoring

Private instruction covering all aspects of dramatic film scoring from the initial "spotting session" to final delivery of a completed score. Prerequisites: MUST 2325 Studio Arranging, or permission of the instructor. May be repeated for credit.

### 4359 Internship in Music Industry Studies

This capstone course in the Music Industry Studies program is designed to prepare the student in a focused area related to the music industry. Work experience is coordinated through merchants, recording studios, music publishers, professional entertainment management, etc. Prerequisites: Completion of all coursework or permission of instructor. (As needed)

## VII. DESCRIPTION OF COURSES

### MUSIC THERAPY (MUSIC THERAPY (MUTH))

[Program Description, page 113]

#### 1301 Introduction to Music Therapy

This course presents an overview of the theory, history, and research base of Music Therapy. Applications of Music Therapy in various settings and with various populations are reviewed and demonstrated. No prerequisite. (Fall)

#### 2271 Clinical Orientation

This course presents an overview of the clinical treatment process ethics, and group process as preparation for future practicum and intern experiences. Students are required to observe and report on five music therapy sessions with practicing music therapists in the San Antonio, Austin, and South Texas areas. Prerequisite: MUTH 1301 (Spring)

#### 2351 Music in Therapy I

This course includes the study and clinical practice of Music Therapy for specific populations. This semester focuses on working with children from birth to adolescence. Students participate in and lead Music Therapy interventions in clinical sessions under the supervision of a Registered or Certified Music Therapist who is working in the San Antonio or Austin area. Prerequisites: MUTH 2271 and permission of instructor. (Fall)

#### 2352 Music in Therapy II

This course is a continuation of MUTH 2351 with a focus on working with adolescents and adults in emotional distress. Prerequisite: MUTH 2351. (Spring)

#### 3353 Music in Therapy III

This course is a continuation of MUTH 2352 with a focus on working within geriatric and medical settings. Prerequisite: MUTH 2352. (Fall)

#### 2388 Piano Improvisation

This class teaches skill development and creative exploration of piano improvisation techniques. The knowledge and skill of various styles of keyboard accompaniment obtained in this course are applied to clinical fieldwork experiences and classroom experiences. Prerequisite: MUSI 1310, Keyboard Skills for Music Majors. (As needed)

#### 3301 Psychology of Music

This course is an in-depth study of the principles underlying the practice of Music Therapy and musical behavior. Psychoacoustics, auditory perception, emotions and meaning in music, music in cultures, and music and its relationship to development and behavior are specifically addressed. Prerequisite: PSYC 1301 Introduction to Psychology. NOTE: Psychology majors may take this course to fulfill the Core Fine Arts requirement. (As needed)

## VII. DESCRIPTION OF COURSES

### 3305 Creative Improvisation in Therapy

In this course, improvisational techniques for therapeutic purposes are explored and experienced. Improvisational media include music and sound patterns, music and movement, and techniques of communicating with others through music. Prerequisite: MUTH 1301 and MUTH 2271. (As needed)

### 4300 Senior Seminar

This course provides an update on current research and research techniques. A senior Music Therapy project and a presentation of the project are required. Prerequisites: Completion of all course-work for Music Therapy degree and permission of instructor. (Taken concurrently with MUTH 4301)

### 4301 Internship

Through this course, Music Therapy students partially complete a 1056-hour (minimum) clinical internship at an approved site in the South Texas area. Prerequisite: Completion of all coursework for Music Therapy degree, successful completion of the piano improvisation test, and permission of instructor. This course is taken twice to fulfill the six hour internship requirement. (As needed)

### 4201 Internship II

Through this course, Music Therapy students partially complete a 1056-hour (minimum) clinical internship at an approved site in the South Texas area. Prerequisite: Permission of instructor. (As needed)

### 4101 Internship III

Through this course, Music Therapy students partially complete a 1056-hour (minimum) clinical internship at an approved site in the South Texas area. Prerequisite: Permission of instructor. (As needed)

## NUCLEAR MEDICINE (NMED)

[Program Description, page 223]

### 2420 Patient Care Technologies

Focuses on the development of clinical skills necessary for safe clinical practice. Emphasis is placed on critical thinking, delegation, standard precautions, and communication skills related to the patient's medical condition. Includes a clinical practicum. Prerequisite: Admission to the major. (Fall, Spring)

### 3210 Health Assessment and Communication For Nuclear Medicine Technologist

Focus on theory and skills of health assessment including health history and physical examination. Therapeutic communication skills includes age appropriate and culture considerations as well as communicating with specific groups of people such as emotionally or terminally ill. Select principles to be applied in simulated laboratory.

### 3305 Application of Radionuclides

This course is an in-depth study of the current use of radiopharmaceuticals for diagnostic imaging of organ visualization/function, evaluation of results, pathology



## VII. DESCRIPTION OF COURSES

and therapy for all major organ systems. Taken concurrently with NMED 4604. Clinical Prerequisites: Admission to the Major, NMED 4545, NMED 4510. (Summer)

### 3310 Pathophysiology for NMED

Focuses on the development of clinical skills necessary for safe clinical practice. Emphasis is placed on critical practicum. Prerequisite: Admission to the Major. (Fall, Spring)

### 3320 Medical Radiation Safety

This course studies patient care and the regulations required by federal and state agencies. Safe handling, storage and disposal of radioactive materials, internal radiation dosimetry, and the use of radiation monitoring instruments. Prerequisites: Admission to the major with completion of biology, chemistry, physics, math, and computer requirements. (Fall)

### 4310 Introduction to Nuclear Medicine

An introduction into the field of nuclear medicine and ethical issues in nuclear medicine. In this class, the student will develop computer skills useful to nuclear medicine technologists and develop beginning research skills using the internet, as well as observe diagnostic procedures in a patient care environment. Students will develop a beginning understanding of nuclear medicine procedures by attending a mandatory 40 hour clinical observation in a nuclear medicine clinical site as well as attend a Nuclear Medicine conference. No prerequisite. (Fall, Spring, Summer)

### 4312 Molecular Imaging and the Physics of Medical Imaging and Therapeutics

The interaction of matter with x-rays, x-ray and gamma ray production, film processing, and molecular imaging technologies as well as the basic principles underlying the imaging methods of x-ray, CT, SPECT, MRI and ultrasound are explored in this course. Prerequisites: Admission to the Major. (Fall)

### 4322 Radiopharmacy, Radiochemistry and Radioimmunoassay

This course examines radionuclide production, mechanisms of radionuclide localization the use and preparation of radiopharmaceuticals for diagnostic and therapeutic applications, quality control of radiopharmaceuticals, and governmental regulations. Prerequisites: Admission to the Major. (Fall)

### 4331 Instrumentation

A didactic course designed to provide the student with the theoretical principles as well as the application of instrumentation and radiation detection equipment used for procedures in nuclear medicine. This course will focus on the theory and lab application of the Quality Control procedures specific to each instrument, the lab application of imaging parameters, patient positioning and the views acquired during imaging. Prerequisites: Admission to the Major. (Spring)

### 4341 Radiation Biology/Biophysics

This course is a comprehensive study of the effects of radiation in the body, resulting from radiation interactions. Other areas of focus are genetics,

## VII. DESCRIPTION OF COURSES

radiosensitivity, radioactive tracers in biological research, and chemical/pharmacological modifiers. Prerequisites: Admission to the major with completion of biology, chemistry, physics, math, and computer requirements. (Spring)

### 4361 Nuclear Medicine Registry Review

A didactic course taken during the final semester of the senior year to review core competencies, clinical procedures, pathology, radiation safety, instrumentation and radiopharmacy in preparation for the national registry/certification exams. Prerequisites: normally taken in the last semester of the program.

### 4510 Nuclear Cardiology

The course is designed to give the student the in depth understanding of Nuclear Cardiology. The student will understand the anatomy and physiology, stress protocols, MUGA and First Pass Studies, basic EKG interpretation, cardiac medications, laboratory values, certified in BCLS and knowledge of ACLS procedures, correlation of noninvasive and invasive diagnostic procedures. In this course, the student is required to complete a 120 hour clinical rotation off campus. Prerequisites: Admission to the Major, NMED 2420 and 3210 as well as completion of immunization requirements, CPR/First Aid and a criminal background check. (Spring)

### 4545 Principles of PET and PET/CT

This course is a clinical and didactic course which offers an emphasis on cross-sectional anatomy and the applications of PET and PET/CT imaging which include myocardial perfusion and viability, tumor localization, cancer staging, therapy planning, and response to therapy by providing an in-depth investigation of the principles as well as benefits and limitations of Positron Emitting Tomography (PET) and PET/CT (Computed Tomography) imaging and image fusion. In this course the student is required to complete a 80 hour clinical rotation off campus. Topics include: image acquisition, cross sectional anatomy, detector components and design, image fusion, radionuclide tracer production, tracer localization and their applications, patient preparation and case review. The primary focus of this course is to increase skill level and productivity in PET and PET/CT imaging. Prerequisites: Admission to the Major, NMED 2420 and 3210, as well as immunization requirements and a criminal background check. (Spring)

### 4604 Clinical Nuclear Medicine I

A clinical course taken during the senior year. An introduction to the nuclear medicine department, its operation and the duties of a Nuclear Medicine technologist. During the clinical practicum the student will assist in performing various diagnostic procedures and computer utilization. Prerequisites: NMED 4510, NMED 4545, as well as, immunization requirements and a criminal background check.

### 4606 Clinical Nuclear Medicine II

Continuation of the clinical practicum, taken during the final semester of the senior year. This practicum allows the students to enhance their training by performing (with supervision) advanced nuclear medicine procedures. This course also examines health physics by studying radiation exposure rate, radiation

## VII. DESCRIPTION OF COURSES

contamination, safe handling and storage techniques, and monitoring equipment as well as all aspects of a Nuclear Pharmacy, such as preparation and quality control testing of radiopharmaceuticals, performing assays, low level lab procedures, and operation of special equipment. Prerequisites: NMED 4604.

### **NURSING (NURS)**

[Program Description, page]

#### **2213 Basic Health Assessment**

Generic. Focuses on theory and skills of health assessment including health history and physical examination. Selected principles applied in simulated laboratory. Prerequisite: Admission to the major.

#### **2310 Integrated Health Science**

Generic. Focuses on the pathophysiology related to cellular function and the immune response. Relevant diagnostic, pharmacological, and treatment modalities are integrated throughout the course. Prerequisite: Admission to the major.

#### **2312 Nursing and Health**

Generic. Focuses on the concepts basic to professional nursing: scope of practice, nursing process, and health. Prerequisite: Admission to the major.

#### **2420 Patient Care Technologies**

Generic. Focuses on the development of clinical skills necessary for safe clinical practice. Emphasis is placed on critical thinking, delegation, standard precautions, and communication skills related to the patient's medical condition. Includes a clinical practicum. Prerequisite: Admission to the major.

#### **3322 Issues in Nursing**

RN-BSN. Examines contemporary issues and problems which affect nursing and influence the development of the future role of the professional nurse. On-line course. Prerequisite: NURS 3512.

#### **3333 Research in Nursing**

Generic. Focuses on the application of principles of evidenced-based practice to clinical practice problems. Prerequisites: Successful completion of first semester nursing courses and a statistics course.

#### **3341 Health Promotion and Disease Prevention**

This course focuses on the roles of the professional nurse in health maintenance, promotion, and disease prevention with clients across the lifespan. This course includes a clinical practicum.

#### **3441 Health Promotion and Disease Prevention**

Generic and RN-BSN. Focuses on the roles of the professional nurse in health maintenance, promotion, and disease prevention with clients across the lifespan. Includes a clinical practicum. On-line course in RN-BSN pathway. Prerequisites: Successful completion of second semester nursing courses in generic pathway; NURS 3512 in RN-BSN pathway.

## VII. DESCRIPTION OF COURSES

### 3510 Nursing of Adults I

Generic. Focuses on risk reduction, illness prevention, and disease management in the care of adults across the lifespan with commonly occurring acute and chronic health problems involving the endocrine, reproductive, cardiovascular, hematological, immune, neurological systems and multiple system dysfunctions. Includes a clinical practicum. Prerequisite: Successful completion of first semester nursing courses.

### 3512 Professional Nursing Role

RN-BSN. Introduction to the roles of the professional nurse and to basic concepts of professional nursing. On-line course. Includes a clinical practicum. Prerequisite: Admission into the RN-BSN program (ADCaP).

### 3515 Nursing of Children and their Families

Generic. Focuses on principles of care related to wellness, acute, and chronic conditions encountered in children, emphasizing family-centered care. Includes a clinical practicum. Prerequisite: Successful completion of first semester nursing courses.

### 3520 Nursing of Adults II

Generic. Focuses on risk reduction, illness prevention, and disease management in the care of adults across the lifespan with commonly occurring acute and chronic health problems involving the pulmonary, integumentary, renal/urological, digestive, musculoskeletal systems, and multiple system dysfunctions. Includes a clinical practicum. Prerequisite: Successful completion of second semester nursing courses.

### 4182 Senior Seminar

Generic. Focuses on the synthesis of nursing knowledge developed during the generic BSN program by helping students prepare for the NCLEX-RN licensing exam. This course is to be taken in the final semester of the nursing program. Prerequisite: Successful completion of fourth semester nursing courses.

### 4221 Issues in Nursing

Generic. Examines contemporary issues and problems which affect nursing and influence the development of the future role of the professional nurse. Prerequisite: Successful completion of third semester nursing courses.

### 4265 Community Health Nursing Practicum

RN-BSN. Focuses on the clinical application of the knowledge and skills of community health nursing. On-line course. Prerequisite: NURS 4365.

### 4288 Nursing Internship

Generic. Focuses on the transition from a student role to a professional nurse role including skills acquisition in selected clinical specialties. Includes an intensive clinical practicum. Prerequisite: Successful completion of fourth semester nursing courses.

## VII. DESCRIPTION OF COURSES

### 4313 Health Assessment

RN-BSN. Focuses on theory and skills for a comprehensive health assessment including health history and physical examination across the lifespan. On-line course. Prerequisite: NURS 3512.

### 4331 Research in Nursing

RN-BSN. Focuses on the application of principles of evidenced based practice to clinical practice problems. On-line course. Prerequisites: NURS 3512 and a statistics course.

### 4332 Nursing Leadership/Management

RN-BSN. Focuses on the knowledge and skills required to function in the role of nurse manager and leader. On-line course. Prerequisite: NURS 3512.

### 4362 Nursing Leadership and Management Practicum

RN-BSN. Focus is on clinical application of the knowledge and skills of nursing management and leadership. On-line course. Prerequisite: NURS 4332

### 4365 Community Health Nursing

RN-BSN. Focuses on the nursing care for families and communities. Principles of public health, including epidemiology, are introduced. On-line course. Prerequisites: N3512 and N3341.

### 4531 Psychiatric Mental Health Nursing

Generic. Focuses on the nursing care of patients experiencing acute and chronic major mental health problems. Includes clinical practicum. Prerequisite: Successful completion of third semester nursing courses.

### 4532 Nursing Leadership and Management

Generic. Focuses on the knowledge and skills required to function in the role of nurse manager and leader. Includes a clinical practicum. Prerequisite: Successful completion of fourth semester nursing courses.

### 4541 Nursing of Childbearing Families

Generic. Focuses on the nursing care of the childbearing family, including both normal and complicated pregnancy, and care of the newborn. Includes a clinical practicum. Prerequisite: Successful completion of second semester nursing courses.

### 4551 Critical Care Nursing

Generic. Focuses on the nursing care of patients with severe, highly unpredictable health problems affecting multiple systems that require significant medical and nursing support. Includes a clinical practicum. Prerequisite: Successful completion of third semester nursing courses.

### 4562 Community Health Nursing

Generic. Focuses on the nursing care for families and communities. Principles of public health, including epidemiology, are introduced. Includes a clinical practicum. Prerequisite: Successful completion of fourth semester nursing courses.

## VII. DESCRIPTION OF COURSES

### NUTRITION (NUTR)

[Program Description, page 205]

#### 1102 Introduction to Dietetics

The focus of the course is on the development of basic knowledge, which describes the dimensions of dietetics and nutrition-related professions as practice disciplines. The course requires the integration of this basic knowledge in examining future individual goals as a dietetic professional. (Fall and Spring)

#### 1223 Gourmet Cuisine

Students will become familiar with basic culinary skills required to prepare gourmet meals with emphasis on planning, nutritional content, and aesthetic appeal. Students will learn proper table setting, etiquette, and how to create ambiance for a successful dinner party. Fee. (Fall and Spring)

#### 1224 World Cuisine

This course will strengthen the student's culinary skills and emphasize the impact of culture, history, regional differences, religion, and ethnicity on food preparation, food preferences, and presentation. Fee. (Spring)

#### 2131 Food Preparation Laboratory

Focus on the application of basic scientific principles in the use and preparation of selected food products. Must be taken concurrently with NUTR 2231. Fee. (Fall)

#### 2231 Principles of Food Preparation

This course presents fundamental principles in the selection and preparation of foods. Students are introduced to the biological and chemical properties of foods that affect their use in cooking processes. Prerequisite: 6 hours Chemistry. Must be taken concurrently with NUTR 2131. (Fall)

#### 2341 Introduction to Nutrition

This course examines fundamentals of normal human nutrition, major nutritional problems and the relation of nutrition to mental and physical development. Food habits and the cultural, social, and psychological influences upon food choices are discussed. In addition the course introduces students to current dietary guidelines and nutrition issues and requires the application of basic nutrition principles to dietary assessment. Prerequisite: 3 semester hours in chemistry or biology. (Fall, Spring)

#### 3134 Food Systems Management Laboratory

In this course, students explore food systems management with emphasis on quantity food production, kitchen layout, and design. Must be taken concurrently with NUTR 3234. Fee. (Spring)

## VII. DESCRIPTION OF COURSES

### 3234 Food and Nutrition Services Management II

This course is a continuation of principles and skills necessary for the management of food service systems. The focus of this course is on the menu development, quantity food production, facility layout design and integration of basic management fundamentals including food cost controls. The course requires the integration and application of menu planning, food production and event planning. Prerequisite: NUTR 3433 or Graduate Student Status. Must be taken concurrently with NUTR 3134 unless given permission by Instructor. (Spring)

### 3332 Experimental Foods

This course applies organic chemistry to the study of food science. The course involves a critical analysis of modern food production, preservation methods and food safety, and an integration of colloid chemistry. Prerequisite: NUTR 2131, 2231. Lecture, lab Fee. (Spring)

### 3342 Nutrition in the Life Cycle

Basic nutritional assessment and nutrient requirements for the following life cycle stages: preconception, pregnancy, lactation, infancy, childhood, adolescence, adulthood, and elderly. Prerequisite: NUTR 2341. (Fall odd-numbered years)

### 3410 Food Recovery and Gleaning

The investigation of food assistance systems at various levels in the community setting. Focus on methods of procurement, inventory control, distribution systems, and food safety. This course may be used to meet the community service requirement. Prerequisite: Dimensions of Wellness. Lecture, lab. (Spring)

### 3433 Food and Nutrition Services Management I

This course is an introduction to the principles and procedures basic to the management of human and financial resources in food and nutrition services systems. The course content concentrates on trends, management processes, systems theory, decision-making, leadership and motivation theories, marketing process, employee training, quality and productivity, and information systems related to food and nutrition services. Lecture, lab. (Fall)

### 4100 Seminar in Wellness Services

This course studies current approaches in the delivery of wellness services and includes presentations and case study reviews. It is only for students active in the Nutrition Services Program. Prerequisite: Instructor approval. (Fall)

### 4136 Seminar in Nutrition

This course explores current advances in Nutrition by studying selected special topics of discussion or areas of interest. Prerequisite: NUTR 2341.

### 4239 Nutritional Practicum

This course provides the student with individual field experience in one of the areas in nutrition and dietetics. Prerequisite: senior standing or Graduate Student Status, and permission of instructor. Fee. (Fall, Spring)

## VII. DESCRIPTION OF COURSES

### 4335 Nutrition Education and Counseling

This course examines major behavior theories, teaching strategies, and counseling skills and the application of these to nutrition education and counseling in lifestyle management. Laboratory activities include the practice of techniques used in group and individual dynamics affecting the outcomes of nutrition education and counseling. Prerequisites: NUTR 2341, 3 semester hours of Behavioral Sciences. Lecture, lab. Fee. (Spring, even-numbered years).

### 4340 Clinical and Nutritional Assessment

This course will familiarize students with direct and indirect assessment of the nutritional status of individuals and groups. This includes anthropometric, biochemical, clinical, dietary, and environmental components. Students will learn the vocabulary to communicate clinical and nutritional assessment. Prerequisite: NUTR 2341, CHEM 1301/1101 and CHEM 1302/1102. Lecture, lab. Fee. (Fall)

### 4356 Nutrition and Human Performance

This course is a study of nutrition and the interrelationship with work physiology, including bionutritional influences on physiology, physical assessment and cardiac rehabilitation. Prerequisite: NUTR 2341 (Spring, odd-numbered years)

### 4388 Internship in Non-profit Management

Practical work experience in community food or apparel assistance program. Students will have the opportunity to participate in the managerial activities associated with the

operation of a non-profit assistance program. Prerequisite: Completion of BINF 2325, FMGT 3444, BFIN 3340, and NUTR 3410. May be taken at the same time as BMGT 4351.

### 4460 Community and World Nutrition

Societal and ecological nutrition issues, including social justice concerns, at the global, national and local level are explored. This course examines international, federal, state, and local community programs focused on improving the nutrition status of human population groups. This course reviews the processes of community assessment and nutrition program development, monitoring and evaluation. Prerequisite: NUTR 2341, 3 semester hours of Behavioral and Social Sciences, or Graduate Student Status. (Fall)

### 4470 Human Nutrition and Metabolism

This class covers physiological function, metabolic fate, and interactions of nutrients and factors influencing the utilization of nutrients in humans. Students analyze and interpret nutrition literature utilizing library research. Prerequisites: BIOL 1402, BIOL 2321, BIOL 2322, NUTR 2341, and CHEM 4351 (may be taken concurrently), or Graduate Student Status. (Fall)

### 4475 Clinical Nutrition

This course focuses on modern concepts of clinical nutrition and the application of medical nutrition therapy in the treatment of individual patients. The Nutrition Care Process and Model will be used to outline nutrition care. The role of the



## VII. DESCRIPTION OF COURSES

clinical dietitian in patient health care will be examined. Prerequisite: NUTR 4340 (Undergraduates) and NUTR 4470. Lecture, lab. (Spring)

### ORGANIZATIONAL DEVELOPMENT (ORGD)

[See Business section ORGD Program, page 165]

#### 3340 Organizational Development

This course presents the research, practice and ethics relevant to organizational development, including: consulting skills, tools and techniques for analyzing problems, developing, implementing and evaluating organizational development interventions, and ethical issues at each stage of the consulting process. Prerequisites: BMGT 3340 and BMGT 3354. Cross-listed with HRES 3340.

#### 3360 Teambuilding in Organizations

This course presents the research and practice relevant to improving teamwork in organizations for permanent work groups, temporary project teams and virtual teams, for a variety of purposes, including: improving productivity, clarifying roles, resolving conflict and adapting to change. Prerequisites: ORGD 3340.

#### 3370 Total Quality Management

This course presents the research and practice relevant to employee involvement programs, in particular, TQM, continuous improvement and six-sigma approaches to improving organizational processes, products and services. Prerequisites: ORGD 3340.

#### 3390 Communication in Organizations

This course presents the concept and practice of organizational communication, ranging from individual communication, to how structures and methods influence communication messages. Prerequisites: SPCH 2341 and ORGD 3340

#### 3395 Organizational Change

This Course presents the theory and practice of organizational change, with a particular emphasis on implementing change successfully across a wide range of interventions and managing resistance to change. Prerequisites: ORGD 3340.

#### 4330 Organizational Learning

This course examines models, theories and practical application of the way an organization learns and adapts to internal and external change, including how to learn from experience, and how knowledge management enhances organizational effectiveness. Prerequisite: ORGD 3340

#### 4350 Leadership in Organizations

This course presents the research and practice relevant to leadership in organizations, including: theories of leadership, leadership styles, leadership roles and activities, and skills necessary for effective leadership. Prerequisite: ORGD 3340 and BMGT 4355. Cross-listed with HRES 4350.

## VII. DESCRIPTION OF COURSES

### 4380 Capstone in Organizational Development

This is the final course for the BA in Organizational Development. It is an integrative, problem-solving course in which the expertise gained in the major are applied to organizational situations through actual project work or case studies. Prerequisite: Completion of all major requirement for the Bachelor of Arts in OD. Cross-listed with HRES 4380.

### PHILOSOPHY (PHIL)

[Program Description, page 122]

### 1381 Introduction to Philosophy

This is an introduction to philosophical problems, methods, and areas of interest. Topics may include the nature of reality, theory of knowledge, the existence and nature of God, the idea of beauty, personal and social ethics, political philosophy, the mind-body problem, freedom and determinism, and personal identity. Note: PHIL 1381 is a prerequisite for all upper division philosophy courses. (Fall, Spring, and Summer as needed)

### 3312 Logic

This course presents a problem solving/ issues approach to the study of both informal and formal reasoning, focusing upon techniques and principles for the analysis and evaluation of logical arguments. The course includes a study of the rules of inference, including deduction and induction, and rules for definition, emphasizing evaluation of the validity and soundness of arguments as well as recognition of common fallacies of reasoning. Prerequisite: PHIL 1381. (Fall, Spring)

### 3315 Philosophy of Human Nature

This course is a philosophical examination of the meaning and destiny of human being. Topics may include the uniqueness of the human being, embodiment, spirituality, evolution, personal identity, cognition, intersubjectivity, determinism, freedom and responsibility, and death and immortality. Prerequisite: PHIL 1381. May be taken as a Cultural Studies elective. (Spring, odd-numbered years or as needed)

### 3318 Theories of Reality and Knowledge

This course is an advanced examination of theories of reality, knowledge, and their interrelations. Topics may include the nature of being, substance, causality, change and becoming, possibility and actuality, materialism and idealism, the nature and scope of human knowledge, skepticism, criteria and methods of certainty, rationalism and empiricism, and the nature of truth. Prerequisite: PHIL 1381. May be taken as a Cultural Studies elective. (Spring)

### 3320 Philosophy of Love

This course is a philosophical examination of the nature and significance of love. Using classical and contemporary philosophical readings as well as various treatments of love in literature and film, topics may include the nature of romantic love, the distinction between eros and agape, love and personal identity, love and gender, love and sexuality, love and spirituality, and/or multicultural visions of the

## VII. DESCRIPTION OF COURSES

nature and significance of love. Prerequisite: PHIL 1381. (Summers or as needed)  
May be taken as a Cultural Studies elective.

### 3325 Philosophy of Culture

This course introduces students to a variety of theoretical approaches to the study of culture, including visual theory, literary theory, and performance theory. Attention will be paid to the contexts in which cultural representations are produced and in which they circulate. Students will investigate how visual, textual and performative norms and practices create and contest social borders, political institutions, and identity formation. Prerequisite: PHIL1381. (Spring or as needed)

### 3332 Ethics

This course is an introduction to personal and social ethics. Topics may include ethical theory, the nature and scope of ethical discourse, the concepts of the good, virtue, duty, and responsibility, civil authority, international law, and the state and religion. Prerequisite: PHIL 1381. May be taken as a Cultural Studies elective. (Fall Spring)

### 3333 Applied Ethics

This course examines contemporary moral dilemmas in the context of social norms and institutions, focusing on topics such as business, medicine, international relations, law, politics, animals and the environment, poverty, and others. May be repeated for credit when topics vary. Prerequisite: PHIL 1381. (Fall, odd-numbered years or as needed)

### 3351 Ancient Philosophy

This course is a survey of ancient Greek philosophy with emphasis on the major philosophical themes explored by the Presocratics, Socrates, Plato, and Aristotle. Prerequisite: PHIL 1381. May be taken as a Cultural Studies elective. (Fall)

### 3352 Medieval Philosophy

This course is a survey of Western Philosophy during the Middle Ages, including, among others, the thought of St. Augustine, St. Anselm, Roger Bacon, St. Thomas Aquinas, and William of Occam. Prerequisite: PHIL 1381. May be taken as a Cultural Studies elective. (Spring)

### 3353 Modern Philosophy

This course is a survey of Western Philosophy from the seventeenth to the nineteenth centuries: Descartes, Spinoza, Leibniz, Berkeley, Hume, Kant, and post-Kantian Idealism. Prerequisite: PHIL 1381. May be taken as a Cultural Studies elective. (Fall)

### 3354 Contemporary Philosophy

This course is a survey of Western Philosophy from the mid-nineteenth century to the present. Topics may include Marxism, positivism, American pragmatism, process philosophy, analytic philosophy, phenomenology, existentialism, and/or more recent developments in deconstruction and postmodernism. Prerequisite: PHIL 1381. May be taken as a Cultural Studies elective. (Spring)

## VII. DESCRIPTION OF COURSES

### 3355 World Philosophy

This course is an introduction to major philosophical traditions around the world, which may include Indian, Japanese, Chinese, South Asian, Arabic, Persian, Native American, Latin American, African, and Western philosophy. Prerequisite: PHIL 1381. May be taken as a Cultural Studies elective. (Fall)

### 3365 Philosophy of Religion

This course is a philosophical examination of religious beliefs and practices. Topics may include the origin and modes of religious life, faith and reason, the existence and nature of God, religious language and symbol, mysticism and theology, religious experience and verification, the problem of evil, immortality, miracles, religion and morality. Prerequisite: PHIL 1381. May be taken as a Cultural Studies elective. (Fall, even-numbered years or as needed)

### 3370 Philosophy of Science and Technology

This course is a critical survey of philosophical problems and themes in science and technology. Topics may include scientific methodology, the status of scientific truth claims in the total array of human knowledge, metaphysical interpretations of the physics of space and time, biological and evolutionary approaches to human nature and to natural history, ethical and political responsibilities of scientific research, and the impact of technology as a force that guides human understanding, human values, and human destiny. Prerequisite: PHIL 1381. May be taken as a Cultural Studies elective. (Spring, odd-numbered years)

### 3375 Aesthetics: Philosophy of Art and Beauty

This course is a philosophical examination of the world and nature of art and the nature and significance of aesthetic experience. Topics may include the definition of art, the idea of beauty, aesthetic value and experience, the nature of the creative process, form versus content, expressiveness, symbolism, the role of theory in aesthetics, art criticism, art and religion, art and morality, art and science, and art and the community. Prerequisite: PHIL 1381. May be taken as a Cultural Studies elective. (Spring, even-numbered years or as needed)

### 3385 Justice: Tradition and Transformation

This course is a philosophical exploration of the concept of justice with emphasis on its role in the foundation of governments, and the structures of society as well as its significance as a personal value. Topics may include the role of justice in the ideal state, the Judeo-Christian conception of justice, the nature of injustice, of social justice, of freedom, law, and personal integrity, the rights of the individual, civil disobedience, and the meaning of equality. Prerequisite: PHIL 1381. May be taken as a Cultural Studies elective. (Fall, even-numbered years or as needed)

### 3390 Philosophy of Black Music

This course utilizes the history of African-American music as a means of exploring the history of African-American culture. Using music as a mirror that reflects the principal experiences, values, and aspirations of African-Americans, the course examines the spirituals (as a reflection of slavery), the blues (as a reflection of post-emancipation life), jazz, gospel, and rhythm and blues (as reflections of the growing complexity of the African-American diaspora), soul music and funk (as

## VII. DESCRIPTION OF COURSES

reflections of the civil rights movement), and hip hop and rap (as reflections of post-industrial, contemporary black culture). Prerequisite: PHIL 1381. (Fall, biannually) May be taken as a Cultural Studies elective.

### 3395 Feminist Philosophy

This course is a philosophical study of the condition of women. The oppression of women is analyzed in terms of its causes, and in terms of what would be required to overcome it from various philosophical viewpoints such as liberalism, socialism, existentialism, psychoanalysis, and radical feminism. May be taken as a Cultural Studies elective. Prerequisite: PHIL 1381. (Spring, even-numbered years or as needed)

### 4371 Special Topics

The contents of this course will be determined by faculty and/or students to fill special needs or interests. The course will focus on the writings of an individual philosopher or an area of interest (e.g. philosophy of literature, philosophy of language, philosophy of mind, philosophy of law, American philosophy, phenomenology, and existentialism). May be repeated for credit when topics vary. Prerequisite: PHIL 1381. (As needed)

## PHYSICS (PHYS)

[Program Description, page 207]

### 1101 General Physics Laboratory I

This course is the laboratory that accompanies PHYS 1301. Prerequisite: Credit for or enrolled in PHYS 1301. Fee.

### 1102 General Physics Laboratory II

This course is the laboratory that accompanies PHYS 1302. Prerequisite: PHYS 1301 and PHYS 1101, and credit for or enrolled in PHYS 1302. Fee.

### 1301 General Physics I

This course is a study of mechanics, gravitation, fluids, heat, and thermal properties of matter. Prerequisite: MATH 1304

### 1302 General Physics II

This course is a study of waves and wave properties, sound, fundamentals of electricity and magnetism, properties of light, optics. Prerequisite: PHYS 1301

### 2105 Physics Laboratory I

This course is the laboratory that accompanies PHYS 2305. Prerequisite: Credit for or enrolled in PHYS 2305. Fee

### 2106 Physics Laboratory II

This course is the laboratory that accompanies PHYS 2306. Prerequisite: Credit for or enrolled in PHYS 2306. Fee

## VII. DESCRIPTION OF COURSES

### 2305 Physics I

This course is a study of the basic concepts of motion, energy, work, momentum, gravitation, fluids, heat, and thermal properties of matter. Prerequisite: MATH 2312

### 2306 Physics II

This course is a study of the basic concepts of wave motion and wave phenomena, sound, electricity, magnetism, light, optics, and modern physics. Prerequisite: PHYS 2305

### 2374 Science for Elementary Teachers

This course is designed for students enrolled in the Education program, specializing in elementary education. It covers the topics in the area of physical and earth sciences; mechanics, energy, heat, sound, electricity, magnetism, light, astronomy, earth layers, plate tectonics, surface water, atmosphere and weather.

### 2408 Physical Science and Laboratory

This course provides the basic understanding of elementary physics and chemistry with an applied emphasis, and includes the application of scientific problem-solving processes and laboratory skills. Students learn methods of teaching science, higher-order thinking, and creativity in problem solving. This course is designed for non-science majors. Prerequisite: MATH 1304 or equivalent. Fee.

## POLITICAL SCIENCE (POLS)

[Program Description, page]

### 1315 American Politics.

This course is a survey of US national government. It is designed to provide the student with an understanding of the foundations, constitutions and processes of their national government. The major institutions of the national government will be examined in order to gain an understanding of how they work, the role of the people in the political system and the consequences of a democratic political system. The success (and lack there of) of some groups to influence government and obtain benefits from it will be considered in an effort to evaluate the workings of a democratic system.

### 1316 State and Local Politics.

This course is a survey of state and local government focusing specifically on Texas. It is designed to provide the student with an understanding of the foundations, constitutions and processes of their state government. The Texas government institutions and practices will be examined in order to gain an understanding of the relationship between the national and state systems, the role of the people in the political system and the consequences of a democratic political system. The success (and lack there of) of some groups to influence government and obtain benefits from it will be considered in an effort to evaluate the workings of a democratic system. The unique history of Texas and how it has influenced the structure and practices of governing will also be examined. This course fulfills TEA teacher certification requirements.

## VII. DESCRIPTION OF COURSES

### 1391 Human Rights.

This course studies individual, group, and society rights; the basis of a just society; and the meaning of equality. This course will also examine the theoretical and philosophic underpinnings of justice as well as examine the extent to which society is just and how to promote greater justice. May be taken as a Cultural Studies elective.

### 2300 Social Science Research Methods.

In this course, students design and analyze research problems in the social sciences. This course is an introduction to the methods of social science research with emphasis on research design and data analysis. Prerequisite: POLS 1315.

### 2305 Introduction to Political Studies

This course is designed to introduce the student to the professional standards and expectations of Political Science. The course focuses on the process of developing political arguments, discovery and evaluation of sources, as well as oral and written presentation of political science material. Prerequisites: POLS 1315 and ENGL 1312.

### 2310 Comparative Politics

This course is designed to serve as an introduction to the comparative study of political systems. Students will develop a core body of knowledge concerning various political regions of the world. Students will also learn what the comparative method is and how to apply it to the study of different political systems. Students will also be introduced to the political systems of selected nation-states around the world. May be taken as a Cultural Studies elective. Prerequisite: POLS 1315.

### 2320 International Relations

This course is designed to introduce the student to the different approaches to the study of relations between sovereign nations. The study of international relations covers many topics, from the study of war and peace, to world government and the conduct of trade between nations. An emphasis will be placed on how nations relate to each other politically and how politics affects such things as economics and human rights. Prerequisite: POLS 1315.

### 2350 Environmental Politics

This course will focus on the history and politics of the international and American environmental movements. Students will also develop an understanding of environmental policy making at both the domestic and international level. Prerequisite: POLS 1315. May be taken as a Cultural Studies elective.

### 2375 International Organizations

This course introduces students to the study of international organizations, primarily the United Nations and its specialized agencies. It will examine such topics as the predecessors and origins of the UN, its basic principles and structure, problems of war and peace, major contemporary issues of world politics, international law and non-governmental actors. Students should leave the course

## VII. DESCRIPTION OF COURSES

with a better understanding of the place of international organizations in the contemporary world system. Prerequisites: POLS 1315 and POLS 2320.

### 2376 Model Organization of American States

In this course students will study the structure and function of the Organization of American States and learn and apply parliamentary procedure in a simulation setting. Students are cast as high-level negotiators on issues of international importance. Prerequisite: POLS 1315, POLS 2320, and POLS 2375.

### 2392 U.S. Legal System

This course is designed to introduce the student to the workings, organization, and impacts of the judicial system in the United States.

### 3300 U.S. Congress

This course is designed to introduce the student to the study of Congress and congressional behavior in the American political system. The course will cover representation, selection of legislators, organization and procedures of legislative bodies, and the relation of the legislative to the executive and judicial branches. By the end of the semester, the student should have an understanding of how legislatures function, how and why legislators behave as they do, and how legislatures relate to the other branches of the government as well as to constituents. Prerequisite: POLS 1315.

### 3305 Presidency

This course is designed to introduce the student to the theory, organization, and behavior of the American presidency. Comparisons to state governors and executives in other nations will be made but the emphasis will be on the American president. By the end of the semester the student should understand what constitutes an executive, how executives behave, how executives interact with other branches of government and with other executives, and how they affect people and institutions. Prerequisite: POLS 1315.

### 3350 European Politics

This course is designed to serve as an introduction to the study of politics in Europe. Students will develop a core body of knowledge concerning the political systems in Europe. Students will also be introduced to the political systems of selected nation-states in Europe. Prerequisites: POLS 1315 and POLS 2310

### 3353 Texas Legislative Process

This course examines how the Texas legislative branch functions. It is offered every two years in May during the legislative session in Austin. Prerequisite: POLS 1315 and POLS 1316.

### 3356 Terrorism and Conflict in the International Arena

This course is designed to study the causes of war and terrorism. Students will also examine what we need to know to prevent war if possible, and prepare for it when necessary. Students will finally examine the extent to which wars are the purposeful, rational pursuit of policy, the result of miscalculation and



## VII. DESCRIPTION OF COURSES

misperception, or the result of forces over which there is little control. Prerequisites: POLS 1315 and POLS 2320. May be taken as a Cultural Studies elective.

### 3371 Political Theory

This is a survey of political ideas from the Greeks to John Rawls, particularly as those ideas influence American political development. The course includes classical thinkers, writers of the Enlightenment, and modern political theories. Prerequisite: POLS 1315. May be taken as a Cultural Studies elective.

### 3375 Moot Court

This is a participatory course in which students research legal cases and arguments, learn courtroom etiquette and procedures, practice making prepared courtroom arguments and responding to questions, and engage in inter-university moot court competition. Prerequisite: POLS 1315 and POLS 2392.

### 4315 Constitutional Law I: Institutional Powers

This course explores the U.S. Constitution, using the case study method and historical, institutional, philosophical, and behavioral approaches to the development of constitutional law. Emphasis will be placed on constitutional provisions for presidential, congressional, and judicial powers, as well as states' powers in the federal system. Prerequisites: POLS 1315 and POLS 2392.

### 4316 Constitutional Law II: Civil Liberties and Civil Rights

This course explores the U.S. Constitution, using the case study method and historical, institutional, philosophical, and behavioral approaches to the development of constitutional law. Emphasis will be placed on sources of rights and constitutional provisions for civil liberties and civil rights, focusing on U.S. Supreme Court interpretations and applications of the Bill of Rights. The course also examines the social justice dimensions of individual rights and the dilemmas of communitarianism versus individualism in constitutional law. Prerequisites: POLS 1315 and POLS 2392.

### 4317 Public Policy

This course examines the causes and effects of governmental policy making, including theories of decision-making and an exploration of the impact of policy on people and institutions. This course also examines political decision making within an ethical framework. Emphasis is on the impact of political decisions on minorities and the underclass. Prerequisite: POLS 1315.

### 4321 US Foreign Policy

This course examines the formation, implementation and implications of American Foreign Policy. The major problems and challenges facing the international community and US reaction to and influence on these problems will also be examined. Primary emphasis will be placed on the post WWII era. Prerequisites POLS 1315 and POLS 2320 or permission of the instructor.

### 4322 National Security Policy

National security policy addresses the political, military, legal and economic factors that effect both security strategy and policy. This course will assess those

## VII. DESCRIPTION OF COURSES

factors and how they have impact upon possible solutions to those challenges. The course approaches national security from both military and government-wide perspectives and addresses the executive branch, Congress, and the global environments. This course also assesses resource requirements and constraints for national security and the federal government in general. Prerequisites: POLS 1315 and POLS 2320 or permission from the instructor.

### 4323 Politics of Coffee and Sugar

This class explores the history of imperialism in its political, economic, and cultural dimensions through the exploitation of coffee and sugar as well as other commodities. Over the course of the semester, we will explore the role of commodities in economic, political, and social transformation; the role of social class and gender in colonial ideologies; the economic, social and environmental impact on colonial rule; the forces behind decolonization; and globalization in the post-colonial world. Prerequisites: POLS 1315 and POLS 2320 or permission from the instructor.

### 4325 Political Behavior.

This course studies the nature of and major influences on public attitudes, the measurement of public opinion, the role of public opinion in government and campaigns, and the impact of media on political campaigns. Prerequisite: POLS 1315. May be taken as a Cultural Studies elective.

### 4330 International Law

This course examines the development and application of the rules that nations recognize as governing their relationships with one another. Prerequisite: POLS 1315 and POLS 2392 or permission of the instructor.

### 4335 Parties and Elections

This course is designed to introduce the student to the basic theories and concepts of political parties in the United States and around the world. Particular emphasis will be placed on the political party system in Texas in comparative perspective. Prerequisites: POLS 1315

### 4355 Politics of Developing Areas

This course is a general introduction to the study of social and political change and conflict in developing areas of the world. It seeks both to point up the wide diversity of the developing countries around the world in their approaches to social, economic, and political change. Emphasis will be placed on such issues as who governs, the role of the military in politics under different types of regimes, and causes of military intervention, revolution, and transitions to democracy. Prerequisites: POLS 1315 and POLS 2310. May be taken as a Cultural Studies elective.

### 4363 Political Globalization

This course explores the interrelatedness of issues such as food, energy, population, arms race, East/West, and North/South confrontations. It examines alternative world order models. May be taken as a Cultural Studies elective.

## VII. DESCRIPTION OF COURSES

### 4385 Topics in American Politics

This course is an advanced study in political science focusing on American politics. The course may be repeated for credit when topics vary. Prerequisite: POLS 1315.

### 4387 Topics in Comparative Politics/International Relations

This course is an advanced study in political science focusing on comparative politics or international relations. The course may be repeated for credit when topics vary. May be taken as a Cultural Studies elective. Prerequisites: POLS 1315 and POLS 2310 or POLS 2320.

### 4390 Political Issues Seminar

This course offers students an opportunity to receive UIW credit for participating in intensive academic seminars offered off campus. Students must have permission of the Discipline Coordinator before applying for the seminar, and may be required to complete additional work beyond that assigned in the seminar. It may be repeated once for credit when topics vary, but only 3 hours may be counted toward fulfillment of the requirements for the major or minor in Political Science. Prerequisite: POLS 1315.

### 4391 Political Internship I.

This course provides approved internships designed to give qualified students career experience. Credit hours earned depend on number of hours worked as intern. Prerequisite: POLS 1315 and permission of the instructor.

### 4691 Political Internship II

This course provides approved internships designed to give qualified students career experience. Credit hours earned depend on number of hours worked as intern. Prerequisite: POLS 1315 and permission of the instructor.

### 4692 Political Internship III

This course provides internships in Washington, D.C. It is available only to juniors and seniors. This course may only be taken concurrently with POLS 4691. May not count toward fulfillment of the requirements for the major. Prerequisite: POLS 1315 and permission of the instructor.

## PRE-PHARMACY

[Program Description, page 159]

Courses offered by other disciplines are described in those respective disciplines.

### PHAR 1105 Professional (Applied) Development Skills (PADS-I)

The first in a series of 3 linked courses designed to introduce the student to the profession of pharmacy. This course will focus on the history and development of pharmacy and pharmacy education in the United States. An introduction to the concept of pharmaceutical care will be included. Subsequent courses build on the previous one.

## VII. DESCRIPTION OF COURSES

### PHAR 2105 Professional (Applied) Development Skills (PADS II)

The second in a series of 3 linked courses designed to introduce the student to the profession of pharmacy. This course will focus on the United States health care system and the role of the pharmacist. Basic communications skills with patients will be taught and practiced in this course. Subsequent courses build on the previous one.

### PHAR 2110 Professional (Applied) Development Skills (PADS III)

The third in a series of 3 linked courses designed to introduce the student to the profession of pharmacy. The overall theme is of developing professional skills through concepts of medical terminology and basic pharmaceutical calculations. Self-assessment and independent study using blackboard and other techniques are tied to group discussion and faculty feedback on progress.

### PSYCHOLOGY (PSYC)

[Program Description, page 128]

#### 1301 Introduction to Psychology

This course studies the basic facts and principles of psychology. (Fall, Spring)

#### 2310 Critical Thinking and Writing in Psychology

This required course emphasizes how to think critically and write effectively within the scientific field of psychology. This course is intended for second-semester freshmen and sophomores or first semester transfer students majoring in psychology. Prerequisite: PSYC 1301. (Fall, Spring)

#### 2370 Child and Adolescent Development

This course examines the physical, cognitive, and psychosocial aspects of child development from conception through adolescence. Prerequisite PSYC 1301. (Fall, Spring)

#### 2380 Biology and Behavior

This course provides a fundamental understanding of how biological processes relate to human behavior. Prerequisite PSYC 1301. Lab fee of \$20. (Fall, Spring)

#### 3330 Human Sexuality

This course studies the basic theories and principles of sexuality: cognitive, emotional, social, and moral. A developmental approach is followed, beginning with conception and progressing through infancy, childhood, adolescence, young adulthood, middle age, and late life. May be taken as a Cultural Studies elective. (Offered as needed)

#### 3331 Abnormal Psychology

This course examines the psychology of normality and variations, including character disorders, substance abuse, sexual deviations, neuroses, psychoses, techniques, and theories. Prerequisite: PSYC 1301 and 3 semester hours of PSYC. May be taken as a Cultural Studies elective. (Fall, Spring)

## VII. DESCRIPTION OF COURSES

### 3340 Community Psychology

This course provides an overview of psychological applications within groups and communities. Students will learn systemic approaches to interventions within community agencies and strategic approaches to intervening at individual and agency levels. Prerequisites: PSYC 1301 and PSYC 3385 (Fall)

### 3345 Sports Psychology

This course provides a fundamental understanding of how psychological theory and processes relate to sports performance. Prerequisite: PSYC 1301. (Fall)

### 3351 Social Psychology

This course studies individual behavior and attitudes as influenced by other individual and groups, and considers conformity, mass media, attitude formation and change, attraction, aggression, prejudice, and behavior in groups. Cross-referenced with SOCI 3351. Prerequisite PSYC 1301 or SOC 1311. May be taken as a Cultural Studies elective. (Fall)

### 3353 Personality

This course studies the theories of personality, with current research and applications to adult life. It explores therapeutic techniques of theorists, and examines growth and mental health of adult personality changes. Prerequisite PSYC 1301. (Spring)

### 3355 Psychology of Women

The Psychology of Women examines the broad range of experiences women and girls encounter across their lifespan. Using both a developmental and topical approach, the course explores the physical, cognitive, and psychosocial aspect of girls' and women's lives. The course provides a brief review of the historical events leading up to modern women's psychology, as well as a rationale for studying the psychology of women. Conducting research on women's issues is explored with a discussion of the advantages and disadvantages of traditional methods. (Offered as needed)

### 3370 Adult Development and Aging

This course examines the biological, cognitive, and psychosocial aspects of human behavior and abilities that occur from young adulthood through late adulthood. Prerequisite PSYC 1301. (Fall, Spring)

### 3472 Learning

This course will examine the various theoretical models including classical conditioning, operant conditioning, and social/observational learning that contribute to relatively permanent changes in behavior. Laboratory work, using current learning software will provide hands-on demonstrations of the theories discussed in lecture and text. Prerequisites: PSYC 1301, PSYC 3381, and PSYC 3384 with a grade of C or better. (Fall, Spring)

### 3376 Cognition and Memory

This course provides an understanding of the process of thinking, knowing, problem-solving, and mentally processing information. The course examines the

## VII. DESCRIPTION OF COURSES

mental system for receiving, storing, organizing, altering, and recovering information. Prerequisite PSYC 1301 and 3 semester hours of Psychology. (Offered as needed)

### 3381 Statistics for Behavioral Sciences

This course examines common behavioral science statistical techniques such as frequency distributions, measures of central tendency, variability, correlation and tests of significance, chi-square, and non-parametric tests. Cross-referenced with SOCI 3381. Prerequisites MATH 1304, MATH 2303 or permission of instructor. (Fall, Spring)

### 3384 Research Methods

This course introduces basic research issues relevant to the behavioral and social sciences. A variety of research methodologies will be discussed, including descriptive, correlational, and experimental methods. Critical thinking skills, the ethical context of research, and APA style will be emphasized. (Cross referenced with SOCI 3384). Prerequisites: PSYC 1301 or SOCI 1311, and PSYC 3381 or SOCI 3381 with a C or better. (Fall, Spring)

### 3385 Multicultural Issues

This survey course examines how psychological theory applies in multicultural contexts. The course also examines professional and social issues of psychotherapy, including ethics and public policy. This is a writing intensive course. May be taken as a Cultural Studies elective. Prerequisites PSYC 1301. (Fall)

### 4320 Health Psychology

This course provides a scientific study of the ways in which psychological principles can be used to prevent and treat illness and promote health. This course examines how behaviors relate to health enhancement, disease prevention, safety, and rehabilitation. Prerequisites PSYC 1301, and 6 semester hours of Psychology OR permission of instructor. (Spring)

### 4330 Developmental Psychopathology

This course examines interventions for youth at-risk. Teenage pregnancy, violence, dropping out of school, depression, and substance abuse are presented in terms of understanding, and strategies for helping at home, school and residential settings. Anxiety, child abuse, fears, and anger solutions are also presented. Strategies of problem solving and self-worth building are among the skills that will be learned. Prerequisite: PSYC 1301, PSYC 2370, and PSYC 3331. (Spring)

### 4331 History of Psychology

This courses examines the historical antecedents of psychology, including the origins of the various perspectives and schools of thought offered in psychology. Prerequisites: PSYC 1301 and 9 semester hours of upper division psychology courses. (Spring)

### 4332 Theories of Psychotherapy

This course is a survey of the various psychological techniques used to facilitate positive changes in an individual's personality, behavior, or adjustment. Group

## VII. DESCRIPTION OF COURSES

therapies will also be examined. Prerequisites: PSYC 1301, PSYC 3331, and any 3-semester hours of psychology credit, or permission of instructor. (Offered as needed)

### 4340 Physiological Psychology

This course focuses on the sensory systems and potential responses by the neurological and endocrine systems to incoming sensation. Biological bases of behavior will be examined (e.g., emotional responses, general arousal, anxiety, sexual behaviors, memory, states of consciousness, mental illness, and neurological disorders). Prerequisites: PSYC 1301, PSYC 2380, and 9 additional hours in Psychology, or by the consent of the instructor (Alternating Fall semesters)

### 4353 Social Cognition

This course will introduce the theories and concepts of social cognition, a subspecialty of social psychology. Topics to be addressed may include social categorization and stereotyping, attribution theory, social memory, social judgement, implicit attitudes, and the interplay of affect and cognition. Prerequisites are PSYC 1301, PSYC 3351, 9 additional hours of psychology credit, and senior standing or instructor permission. (Alternating Spring semesters)

### 4359 Directed Practicum/Internship

This course is an educationally directed program under the supervision of faculty and agency professionals, offering an opportunity to acquire skills through experience, and to apply skills acquired in the classroom. It requires a minimum of 100 field hours; May be repeated once, for a total of 6 semester hours. Prerequisites: Junior or Senior PSYC Majors, PSYC 1301, PSYC 3331, and permission of instructor. (Fall, Spring)

### 4380 Psychometrics

This course will discuss the methodological and statistical procedures involved in the construction of tests. Students will examine the theoretical approaches, ethical issues, and procedures of testing, including reliability, validity, standardization, intelligence, educational assessment, personality assessment, neuropsychological assessment, and clinical approaches. Prerequisites: PSYC 1301, 3331, 3381, and 3384. (Spring)

### 4381 Advanced Statistics

This course provides students advanced training in statistics, combining statistical theory with the practical application of statistical analysis in SPSS. Analyses to be covered may include Regression Analysis, Analysis of Variance (ANOVA), Analysis of Covariance (ANCOVA), Factorial Designs, General Linear Model (GLM), ANOVA with repeated measures, and an introduction to Multivariate Statistics. Prerequisites: PSYC 3381 or SOCI 3381 with a grade of C or better, and PSYC 3384 or SOCI 3384 with a grade of C or better. (Alternating Fall semesters)

## VII. DESCRIPTION OF COURSES

### 4484 Advanced Research Methods

This course will provide students with an advanced discussion of and analysis of research methodology in psychology with an emphasis on the experimental method building on the material learned in PSYC/SOCI 3384. Students will design and execute an independent research study. Prerequisites: PSYC 3384 or SOCI 3384, and PSYC 4381 (Advanced Statistics), with a C or better in both. (Alternating Spring semesters)

### 4490 Community Psychology Practicum

This course provides an overview of psychological applications in a community setting. Students will implement systemic approaches within community agencies and conduct strategic approaches and interventions while empirically testing outcomes. Prerequisites: PSYC 3331, PSYC 3385, and PSYC 3340. (Fall, Spring)

## RELIGIOUS STUDIES (RELS)

[Program Description, page 130]

### 1310 Introduction to Theology

This course introduces students both to the content of Christian faith (salvation, grace, Jesus, etc.) and to the variety of ways in which this content has been shaped and expressed throughout Christian history.

### 1340 Understanding Catholicism

This course is an overview of the beliefs, structures and worship of the Roman Catholic Church. Distinctive features of Roman Catholicism such as the relationship between nature and grace, the nature of the Church, the role of the sacraments, Catholic Social Teachings and aspects of popular piety are examined.

### 1345 Biblical Themes

This course reviews various contemporary themes in relationship to both the Hebrew Scriptures (Old Testament) and the Christian Scriptures (New Testament), with an emphasis on interpretation and methodological approaches (i.e., historical criticism, literary criticism, and cultural studies).

### 1355 History of Christianity

This course is an introduction to the history and impact of Christianity as a world religion from its origin in Jesus and the apostolic period up to the Reformation in the 16th century, including major movements, key figures, and doctrinal developments.

### 1360 Christian Ethics

This course presents an understanding of Christian and particularly Catholic arguments and reasoning concerning a variety of moral issues. Emphasis is given to the sources of Catholic moral thought and the development of moral conscience. Some of the topics to be discussed include the death penalty, abortion, sexuality, and economic injustice.



## VII. DESCRIPTION OF COURSES

### 1370 Introduction to Religious Studies

This course examines the discipline of Religious Studies and the study of religion in general in the context of higher education. Students will learn a variety of methods and critical ideas utilized in the contemporary study of religion. Special focus will be given to topics and themes commonly addressed in Religious Studies that are important for understanding Western culture and the Christian tradition. Furthermore, the history of the study of religion in the context of higher education and its place in the curriculum of the modern university will be explored, with special attention given to the mission and identity of UIW and Roman Catholic institutions of higher learning.

### 1375 Prayer and Spirituality

This course studies prayer in the biblical tradition, prayer in the life of major Christian spiritual authors, and contemporary spirituality and prayer.

### 2320 Hebrew Scriptures

This course surveys the history, literature, and faith of ancient Israel found in the Hebrew Scriptures (Old Testament), with an emphasis on interpretation and methodological approaches (e.g., historical criticism, literary criticism, and cultural studies).

### 2329 Religious Movements in United States History

This course is a study of religious and racial/ethnic cultural ideologies and traditions in the United States and an assessment of their influence on U.S. life and institutions.

### 2330 Religion, Values, and Film

This course presents a systematic study of the representation of religion and values in contemporary North American film, a medium which is becoming increasingly important as a vehicle by which cultural values are shaped and exchanged. May be taken as a Cultural Studies elective.

### 2335 U.S. Latino/a Spirituality

This course explores the various expressions of belief and spirituality among U.S. Latino/a communities. May be taken as a Cultural Studies elective.

### 2345 World Religions

This course examines the beliefs, history, culture, sacred texts and religious views of various world religions. Emphasis is also made in regard to inter-religious dialogue, church documents of ecumenism and religious experiences in various houses of worship. May be taken as a Cultural Studies elective.

### 2350 Gospels and Acts

This course surveys the history, literature, and faith of early Christianity found in the Gospels and the Book of Acts, with an emphasis on interpretation and methodological approaches (e.g., historical criticism, literary criticism, and cultural studies).

## VII. DESCRIPTION OF COURSES

### 3300 The Religious Quest

This course explores the human response to mystery, faith, and revelation; origin and evolution of myth; religion and its ritual expression; and relationship of religion to theology. May be taken as a Cultural Studies elective.

### 3305 Catholic Social Teachings

A study of issues and practices of the Catholic Church dealing with social justice beginning in the 1890's and continuing through post Vatican II documents to the present day. May be taken as a Cultural Studies elective. Prerequisite: 3 hours of RELS or permission of the instructor.

### 3310 Pauline Writings

This course surveys the social world, literature, and theology of early Christianity found in the Pauline writings (both the "authentic" Pauline and other apostolic letters), with emphasis on interpretation and methodological approaches (rhetorical criticism, social history, and cultural studies). Prerequisite: 3 hours of RELS or permission of the instructor.

### 3320 Christian Symbols and Celebrations

This course is a study of the major rituals and symbols in the celebrations and worship of the Christian Church. Special emphasis is on the sacraments. Prerequisite: 3 hours of RELS or permission of the Instructor.

### 3322 Christianity through Art

This course examines major themes and historical and cultural movements of the Christian faith through the perspective of the arts and/or literature. Prerequisite: 3 hours of RELS or permission of the Instructor. May be taken as a Cultural Studies elective.

### 3325 Arts for Christian Worship

This course examines the importance of the imagination in worship, principles for using the arts, and experience in creating drama, dance, and art for worship. Prerequisite: 3 hours of RELS or permission of the Instructor.

### 3335 God and Human Sexuality

This course examines Christian theological and ethical teachings concerning sexuality and interpersonal relationships. Attention is given to issues of gender, body and spirit, sexual violence, and marriage and intimacy. May be taken as a Cultural Studies elective. Prerequisite: 3 hours of RELS or permission of the instructor.

### 3340 Feminist Theologies

This course explores the thought of various feminist, womanist, and mujerista/latina theologians and the contributions they have made to the field of Christian theology more generally. May be taken as a Cultural Studies elective. Prerequisite: 3 hours of RELS or permission of the instructor.

## VII. DESCRIPTION OF COURSES

### 3350 Environmental Theology and Ethics

This course explores both various perspectives on nature found within the Christian theological and ethical tradition and major ethical implications of global environmental policies, including issues of world hunger and food supplies; inequities in land and resource distribution; racial, ethnic and gendered aspects of environmental policies; conservation efforts; and materialism and consumerism. May be taken as a Cultural Studies elective. Prerequisite: 3 hours of RELS or permission of the instructor.

### 3365 Christian Worship

This course studies the significance of ritual, the nature of liturgy, and the history and structure of worship. Prerequisite: 3 hours of RELS or permission of the Instructor.

### 3399 Contemporary Issues

This course provides a study of selected topics of special contemporary theological interest or importance. Course can be repeated for credit. Prerequisite: 6 hours in RELS or permission of Instructor.

### 4x49 Field Experience

This practicum explores praxis-oriented theory and methods of teaching, evaluation, research, and creative expression in the setting of general or religious education. Prerequisite: 24 hours of RELS. Supervised by UIW RELS faculty. One to three credit hours. May be repeated.

### 4300 Women and Faith

This course examines issues of contemporary women in relation to social justice within the context of Christian faith. May be taken as a Cultural Studies elective. Prerequisite: 3 hours of RELS or permission of the instructor.

### 4310 Women in the Christian Tradition

This course studies selected women from biblical to contemporary times whose activities or writings have contributed to Christianity. May be taken as a Cultural Studies elective. Prerequisite: 3 hours of RELS or permission of Instructor.

### 4320 U.S. Latino/a Theology and Culture

This course is an introduction to U. S. Latino/a theology, its methodology, and current expressions. May be taken as a Cultural Studies elective. Prerequisite: 3 hours of RELS or permission of the instructor.

### 4330 Death and Belief

This course examines religious beliefs and practices concerning death and the afterlife. Emphasis is placed on common themes found in the teachings of major faith traditions and on religious and moral issues related to death and dying in contemporary culture. May be taken as a Cultural Studies elective. Prerequisite: 3 semester hours of RELS or permission from the Instructor.

## VII. DESCRIPTION OF COURSES

### 4345 Theologies of Liberation

This course provides an overview of emerging theologies of liberation from several perspectives, such as Latin American, Feminist, African-American, U.S. Latino/a, and Asian. May be taken as a Cultural Studies elective. Prerequisite: 3 semester hours of RELS or permission of the Instructor.

### 4362 Lay Leadership of Public Prayer

This course explores the theological foundations for the language and design of prayer; skills of oral communication and introduction to homiletics; and presiding at communion and other services. Prerequisite: 3 semester hours of RELS or permission of the instructor.

## RESEARCH (RSCH)

[Program Description, page]

### 4301 Research Methods and Techniques

Designed for McNair Scholars in preparation for independent research. Students will explore a variety of research methods and designs, IRB requirements, conduct literature reviews, become familiar with APA, MLA, and other formatting methods, prepare formal research proposals, prepare for GRE examinations, prepare a curriculum vitae, prepare personal statements, and develop presentation techniques.

## SOCIOLOGY (SOCI)

[Program Description, page 133]

### 1311 Introduction to Sociology

This course studies the structure and function of social groups and of basic sociological concepts.

### 2335 Social Issues Through Cinema

This course examines major social issues through the use of important U.S. and international films. May be taken as a Cultural Studies elective.

### 2341 Social Institutions

This course examines basic social institutions, with special emphasis on the familial, political, religious, educational, and economic institutions.

### 3301 Collective Behavior and Social Movements

This course studies the forms and causes of collective behavior, with a special emphasis on modern social movements.

### 3321 Social Problems and Social Justice

In this course, a wide variety of current social problems are studied in depth, including the problems, history, extent, causes, effects, and possible solutions. May be taken as a Cultural Studies elective.

## VII. DESCRIPTION OF COURSES

### 3322 Crime and Delinquency

This course examines the nature, extent, causes, and treatment of crime and delinquency, criminological theory, agencies of control, and programs of crime prevention. May be taken as a Cultural Studies elective.

### 3323 Criminal Justice

This course studies the criminal justice system in the United States and its antecedents. It includes an evaluation of the system's effectiveness.

### 3324 Sociology of Deviance and Mental Illness

This course examines the forms and causes of social deviance, with a special emphasis on the sociological interpretation of mental illness.

### 3332 Culturology and Cross-Cultural Communication

This course examines the importance of culture and its role in communication. May be taken as a Cultural Studies elective. Cross-referenced with ANTH 3332.

### 3343 Sociology of the Family

This course investigates the history, functions, and present status of the family, and examines and analyzes some of the important family problems.

### 3344 Social Stratification

This course studies the class, estate, and Caste systems, and the economic, ethnic, power, and prestige dimensions of stratification. May be taken as a Cultural Studies elective.

### 3345 Sociology of Religion

This course examines religion as a social institution, and studies modes of worship, administration, interaction, and classification of religious groups such as cults, sects, denominations, and ecclesia.

### 3350 Sociology of Sport

The role of sport in American society: social values, racism, sexism, violence, and other social issues are examined in relation to sports. May be taken as a Cultural Studies elective.

### 3351 Social Psychology

This course studies individual behavior and attitudes as influenced by other individuals and groups, and considers conformity, mass media, attitude formation and change, attraction, aggression, prejudice, and behavior in groups. Introductory group process. May be taken as a Cultural Studies elective. Prerequisite: PSYC 1301 or SOCI 1311.

### 3355 Aging in America

This course is an investigation into the growing body of knowledge on the process of aging, and the realities of aging in contemporary society.

## VII. DESCRIPTION OF COURSES

### 3356 Death in America

This course examines the dying-grief - bereavement process in American culture, and the role of various institutions in the interpretation and acceptance of these phenomena. Cross referenced with RELS 4330.

### 3361 Urban Sociology

This course studies the growth of urbanism and urbanization: institutions, planning, and change, including the impact of urban living on social behavior.

### 3371 Minority Relations

This course studies racial and ethnic groups in the United States, including their sociological significance in national culture. May be taken as a Cultural Studies elective.

### 3372 Hispanics in America

This course focuses on socio-cultural characteristics of various major Hispanic groups living in the United States. May be taken as a Cultural Studies elective.

### 3381 Statistics for Behavioral Sciences

This course examines the statistics most commonly used in the study of sociology and social problems, with special emphasis upon frequency distributions, measures of central tendency, variability, correlation and tests of significance, chi square, and non-parametric tests. Cross-referenced with PSYC 3381.

### 3384 Research Methods

This course provides the opportunity for students to use experimental design in field situations, including actual field experience, non-parametric social sciences and allied areas. Prerequisite: PSYC 1301 or SOCI 1311. SOCI 3381 strongly recommended. Cross-referenced with PSYC 3384.

### 3387 Sociological Theory

This course studies social theorists of the nineteenth and twentieth centuries and their contributions to the field of sociology. Special emphasis is placed on Marx, Weber, and Durkheim. (Writing intensive).

### 4359, 4360 Directed Practicum/Internship I, II

This course provides an educationally directed program under supervision of faculty and field professionals to acquire further skills and test theories and skills acquired in the classroom. Required 180 field hours. Course does not fulfill requirements for Sociology minors.

### 4392 Directed Readings in Sociology

This course studies major writings in the principal areas of sociology since World War I.

## VII. DESCRIPTION OF COURSES

### SPANISH (SPAN)

[Program Description, page 135]

#### 1311/1312 Elementary Spanish

This course introduces students to fundamentals of Spanish, with emphasis on developing listening comprehension and speaking skills. It includes activities for developing abilities in speaking, listening, reading, and writing. 3 class hours. Individual laboratory. Prerequisite: SPAN 1311 is a prerequisite for SPAN 1312. (Fall, Spring, Summer)

#### 1313 Beginning Spanish for Health Care Professionals

This course offers further development of Spanish communication skills acquired in previous study or experience, with focus on vocabulary needed in the health care field, and on cultural appropriateness of interactions with Hispanic patients. Prerequisite: At least one course in beginning Spanish (1311 or 1312) or consent of instructor. May also be counted for credit by students who have taken both 1311 and 1312 or who have earned 6 hours of CLEP credit. (As required)

#### 2311 Intermediate Spanish I: Oral Communication

This course provides extensive practice in oral communication, with emphasis on the development of oral proficiency and skills such as discussion, reading aloud, story telling, informative presentations, and persuasive speaking. It includes a review of grammar and usage in the context of the spoken word. Prerequisites: SPAN 1311 and SPAN 1312 or equivalent. (Fall)

#### 2312 Intermediate Spanish II: Writing

This course involves practice of written Spanish appropriate for limited publication, such as newsletters and collections of recipes, essays, and other academic or creative writing. It presents grammar and usage, as well as spelling, punctuation, and use of the orthographic accent, in the context of writing for a wider audience. Prerequisites: SPAN 2311 or the equivalent proficiency, as determined by the instructor. (Spring)

#### 3301 Advanced Spanish Grammar and Composition

This course covers an extensive review of complex grammatical structures with vocabulary building. Students will do a selected grammar review to strengthen skills in Spanish language composition. The basic writing skills of spelling, punctuation, and accentuation will also be reviewed. Differences between the written and spoken language will be pointed out toward the production of compositions using the written standard. Prerequisites: SPAN 2311 and SPAN 2312, or permission of the instructor. (As required)

#### 3311 Culture and Civilization of Spain

This course is a study of the customs, ideas, and attitudes of the people of Spain. It explores the development of regional differences in popular culture, as well as the changes in the material and intellectual culture of ruling groups. Prerequisites: SPAN 2311 and SPAN 2312, or permission of the instructor. (Fall, odd-numbered years). May be taken as a Cultural Studies elective.

## VII. DESCRIPTION OF COURSES

### 3312 Culture and Civilization of Latin America

This course is a study of the customs, ideas, and attitudes of the people of Latin America. It explores the development of regional differences in popular culture, as well as the changes in the material and intellectual culture of ruling groups. Prerequisites: SPAN 2311 and SPAN 2312, or permission of the instructor. (Fall, even-numbered years). May be taken as a Cultural Studies elective.

### 3319/3619 Internship in Spanish

This course provides a practical experience as a language professional in an international or bilingual environment, with opportunities to develop skills in speaking, reading, and translating Spanish. Prerequisites: SPAN 2311 and SPAN 2312 or the equivalent, and permission of instructor. Requires 140-160 hours of work for 3 hours credit, 280-320 hours of work for 6 hours credit. SPAN 3319 may be repeated once for credit. (As needed)

### 3321 Introduction to Hispanic Linguistics

This course studies the sound system, grammar, and semantics of Spanish using methods of analysis developed in modern linguistics. Attention will be given also to social variation of language, language acquisition, and the historical development of dialect differences. Prerequisites: SPAN 2311 and SPAN 2312, or permission of the instructor. (Spring, even-numbered years)

### 3322 Spanish Phonetics and Oral Communication

This course is an analysis of the sound system of Spanish, with intensive practice in oral communication with emphasis on pronunciation and voice quality suitable for culturally appropriate communication in a variety of situations. Prerequisites: SPAN 2311 and SPAN 2312, or permission of the instructor. (Spring, odd-numbered years)

### 3331 Spanish Literature to 1700

This course examines readings from major Spanish authors from the Middle Ages to 1700. Practice in critical analysis through discussion, reports, compositions, and examinations. Prerequisites: SPAN 2311 and SPAN 2312, or permission of the instructor. (Spring, even-numbered years)

### 3332 Spanish Literature Since 1700

This course examines readings from major Spanish authors from 1700 to the present, involving practice in critical analysis through discussion, reports, compositions, and examinations. Prerequisites: SPAN 2311 and SPAN 2312, or permission of the instructor. (Spring, odd numbered years)

### 3333 Spanish for Professional Fields

This course provides refinement of language skills and study of cultural patterns and behavior observed in the professional world. Attention will be given to pronunciation, vocabulary, syntax, and style levels appropriate to professional areas. Prerequisites: SPAN 2311 and SPAN 2312, or permission of instructor. (As required)



## VII. DESCRIPTION OF COURSES

### 3334 Spanish in the Media

In this course, students will view video and film, read newspaper and magazine articles from Spanish and Latin American sources, analyze the linguistic and stylistic requirements of the different media, and practice writing articles and scripts. Student productions will be videotaped for evaluation. Prerequisites: SPAN 2311 and SPAN 2312, or permission of instructor. (As required)

### 3335 Children's Literature in Spanish

This course is a survey of children's and adolescent literature written in Spanish by authors from the U.S., Latin America, and Spain. It presents approaches to literature appropriate for young readers, with research into the reading process in second language and bilingual settings. Prerequisites: SPAN 2311 and SPAN 2312, or permission of the instructor. (Spring, odd-numbered years)

### 3337 Applied Linguistics for Teaching

This course examines recent theory of language acquisition and teaching, current language teaching practice, new national and state standards, and other professional issues for language teachers. It also provides an analysis of the problem areas of Spanish for students, both experienced and inexperienced speakers, and involves practical application of theory to classroom activities, for teachers K-12. Prerequisites: SPAN 2311 and SPAN 2312 or permission of the instructor. Recommended: SPAN 3321, Introduction to Hispanic Linguistics. (Fall, even-numbered years)

### 3341 Spanish-American Literature to Modernism

In this course, students will read Spanish-American authors from Pre-Columbian times to Modernism, and thoroughly analyze them through discussion, reports, compositions, and examinations. Prerequisites: SPAN 2311 and SPAN 2312, or permission of the instructor. (Fall, even-numbered years)

### 3342 Spanish-American Literature since Modernism

In this course, students will read Spanish-American authors from Modernism to the present and critically analyze them through discussion, reports, compositions, and examinations. A topic chosen each semester will provide a central theme for study of the texts: the dictatorship, women and men in literature and society, a child's view of the world, or other theme. Prerequisites: SPAN 2311 and SPAN 2312, or permission of the instructor. (Fall, odd-numbered years)

### 3343 The Literature of U.S. Hispanics

In this course, students will read and analyze American-born authors of Hispanic descent, especially from the Mexican-American, Puerto Rican and Cuban-American traditions. Prerequisites: SPAN 2311 and SPAN 2312, or permission of the instructor. (Spring, even-numbered years) May be taken as a Cultural Studies elective.

### 4311 Topics in Hispanic Linguistics

This course is an advanced study in Hispanic linguistics. It may be repeated for credit when topics vary. Prerequisite: Permission of instructor. (As required)

## VII. DESCRIPTION OF COURSES

### 4312 Topics in Spanish or Spanish-American Culture and Civilization

This course is an advanced study in Spanish or Spanish-American culture and civilization. It may be repeated for credit when topics vary. Prerequisite: Permission of instructor. (As required)

### 4313 Topics in Spanish or Spanish-American Literature

This course is an advanced study in Spanish or Spanish-American literature, focusing on a period, genre, or author. It may be repeated for credit when topics vary. Prerequisite: Permission of instructor. (As required)

### 4320 Elementary Spanish I for Pharmacists

This course introduces Pharmacy students to the fundamentals of Spanish, with emphasis on developing listening comprehension and speaking skills in the pharmacy setting. It includes activities for developing abilities in speaking, listening, reading, and writing. Three class hours. (Summer)

### 4321 Elementary Spanish II for Pharmacists

This course continues to introduce Pharmacy students to the fundamentals of Spanish, with emphasis on developing listening comprehension and speaking skills in the pharmacy setting, and on specialized vocabulary required for counseling concerned prevention, illnesses and medication. It includes activities for developing abilities in speaking, listening, reading, and writing. Three class hours. Prerequisite: SPAN 4320. (Summer)

### 4398 Independent Study in Spanish

This course provides an opportunity for students to engage in independent research and writing under the supervision of a faculty member. Prerequisite: Senior standing and approval in writing of the student's proposal by the instructor. (As needed)

## SPEECH (SPCH)

[Program Description, page 189]

### 1311 Public Speaking

This course introduces students to the preparation, delivery, and evaluation of informative and persuasive speeches. It satisfies the CORE requirement. (Spring, Fall)

### 2321 Voice and Diction

This course promotes the improvement of the speaking voice. Emphasis is placed on voice production, enunciation, and speech dynamics. (Fall)

### 2331 Oral Interpretation of Literature

This course is an analysis of literary forms with selected readings from poetry, prose, and dramatic literature. (Spring)

## VII. DESCRIPTION OF COURSES

### 2341 Business and Professional Speech

This course examines the role of Communication in professional, organizational, and industrial settings. It covers informative reports and sales presentations, interviews, small-group discussion, meetings, nonverbal communication in the workplace, and negotiation processes. (Fall, Spring)

### 3321 Oral Interpretation of Literature

This course is an analysis of literary forms with selected readings from poetry, prose, and dramatic literature. (Spring)

### 3371 Persuasion

This course is a study of persuasive principles and practices involving the delivery of propositions of fact, value, and policy. Prerequisite: SPCH 1311. (Spring)

### 3391 Nonverbal Communication

This course surveys the theory and application of social and physical environment, body image, and artifacts, gesture and posture, face, eyes, voice, time, and the senses. (Spring)

### 4371 Interpersonal Communication

This course explores the self and human relationships. Includes intrapersonal communication, perception, language, emotions, listening, nonverbal communication, and interaction processes. (Fall, Spring)

### 4395 Practicum in Speech

This course provides students with the opportunity to analyze the various modes of communication in an intensive study. (Every semester)

## SPORTS MANAGEMENT (SMHP)

[Program Description, page 173]

### 3301 Introduction to Sports Management

Survey and introduction to the field of Sports Management. Topics include types and structures of sports organizations, local to global, quality management, leadership, governance, strategic planning, performance review, information systems, and introduction to sports research.

### 3302 Human Factors in Sports Management

Overview of individual and organizational dynamics that effect human behavior and performance. Includes value of the individual, self-awareness, motivation, interpersonal skills, teamwork, decisions, ethics and values, organizational communication and culture, and activities.

### 3303 Seminar in Sports Organizations and Public Market

Organization and promotion of special events. Topics include communication and mass media, marketing and advertising, finance, economics of sports and

## VII. DESCRIPTION OF COURSES

community impact. Requires service learning component and on-site orientation and activities.

### 3319 Internship in Sports Management

Requires 120 hours of work in a major sports organization and a project. Prerequisites: 9 hours in Sports Management and permission of instructor.

## THEATRE ARTS (THAR)

[Program Description, page 137]

### 1191 Theatre Practicum

This course provides students with laboratory experience in acting, stage management, and the design, construction, and handling of scenery, lighting, sound, properties, costumes, and publicity. Fee. (Fall, Spring)

### 1320 Acting in Everyday Life

This course introduces the art of acting in order to develop an appreciation of the art and an understanding of how various acting techniques may be used to heighten one's awareness and as a tool for self-realization. Fee. Satisfies Core Fine Arts requirement. (Fall, Spring)

### 1321 Beginning Acting

This course introduces the art of acting for the student wishing to major in Theatre Arts. The course focuses on the basic principles and techniques of realistic acting, based upon the methods of Constantine Stanislavsky. Fee. Satisfies Core Fine Arts requirement for Theatre Majors. (Fall)

### 1322 Intermediate Acting

This course is a continuation of the Study of the art and technique of acting, with the major focus on the process of characterization and scene study. Fee. Prerequisite: THAR 1321. (Fall)

### 1380 Introduction to Theatre

This course is an introduction to the process of theatrical production, as well as the academic study of theatre, its history, art, and craft. It is designed for the THAR major. Fee. Satisfies Core Fine Arts requirement. (Fall)

### 1381 Theatre Appreciation

This course is a survey of the process of taking a play from the page to the stage. The focus includes the study of representative theatrical periods, plays, and production techniques. It is designed for the non-theatre major. Satisfies Core Fine Arts requirement. May be taken as a Cultural Studies elective. (Various)

### 2192/2193 Theatre Practicum

This course provides students with a laboratory experience in acting, stage management, and the design, construction, and handling of scenery, lighting, sound, properties, costumes, and publicity. THAR 2193 may be repeated for credit. Fee. (Fall, Spring)

## VII. DESCRIPTION OF COURSES

### 2242 Basic Stage Make-up

This course studies the principles of the art, technique, and design of stage makeup. Fee. (Various)

### 2324 Stage Movement

This course studies and actively explores stage movement (including open-handed stage combat and character mask work) in order to develop the performer's physical self-awareness and the basic movement tools used to embody dramatic characters. Fee. (Various)

### 2325 Theatre Voice and Speech Studies

This course introduces students to the fundamentals of correct voice production and clear speech as it applies to acting for the stage, presentation of portfolio, and audition. (Various)

### 2330 Performance for Animators

This course increases the student's awareness and understanding of how characters are created, how physical composition, movement, and other aspects of non-verbal communication may shape and convey emotion, and how vocal quality may be used and heightened to characterize for the purpose of entertainment or advertising relevant to digital media or illustration. This course may not be repeated for credit. Fee. (Spring, odd numbered years)

### 2350 Survey of Musical Theater in the U.S.

Survey of Musical Theater in the U.S.A. will expose the student to the most popular of the many forms of music on the stage. These works will include revues, operettas, operas, and Broadway musicals. In this course the student will develop the ability to differentiate among the many styles, time periods, and form a time line for the individual style formation and maturation of each particular genre. Visual and aural learning will take place. (Various)

### 2360 Introduction to Technical Production

This course studies the basic terminology and procedures of scenery and costume construction, lighting, properties and backstage organization. It includes a laboratory experience in these production aspects. Fee. (Spring)

### 2361 Introduction to Theatre Design

This course introduces students to the application of scenic, costume, and lighting principles and formats. Skills include drawing, painting, and model making techniques for the expression of theatrical design. Fee. Satisfies Core Fine Arts Requirement. (Fall)

### 2380 Play Analysis

This course examines text analysis for the actor, director, and designer, using an overview of texts from the Greeks to contemporary dramatic literature, including study of the text in its original time period for contemporary production. (Various)

## VII. DESCRIPTION OF COURSES

### 3194/3195 Advanced Theatre Practicum

This course provides students with an advanced laboratory experience in acting, directing, stage management; and the design, construction, and handling of scenery, lighting, sound, properties, and costumes. Prerequisites: THAR 2193 and permission of the instructor required. Fee. (Fall, Spring)

### 3304 Children's Theatre

This course examines the theory and practice of play production for the child audience, with laboratory application. Prerequisite: THAR 1322, or permission of the instructor. Fee. (Various)

### 3323 Acting in Verse

This course presents special problems in acting related to verse texts, e.g. Greek, Shakespeare, and Moliere. Fee. Prerequisite: THAR 1322 or permission of the instructor. May be repeated for credit. Fee. (Various)

### 3324 Selected Topics in Performance

This course is a continuation of the study of the art and technique of acting, with the major focus on the various genres and styles, i.e. Realism, Restoration, Greek or Postmodern. The course expands on the student's knowledge of concentration, observation, setting objectives, planning tactics, and overcoming obstacles. May be repeated for credit. Prerequisite: THAR 1322 or permission of the instructor. Fee. (Various.)

### 3326 Advanced Acting

This course is designed for Theatre Arts majors as a continuation of the study of the art and technique of acting, with a major focus on advanced scene study. Prerequisites: THAR 1322, and completion of 65 semester credit hours or permission of the instructor. Fee. (Various)

### 3341 Costume Design

This course is a study and application of the costume design process from research methods to painted sketches. Instructor's permission required. Fee. (Various)

### 3344 Costume Construction

This course is a study and application of sewing techniques, flat patterning, and draping skills for the stage. Fee. (Fall)

### 3362 Scene Design

This course examines the coordination of the visual scenic elements that comprise a theatrical production, and an introduction to theatre graphics. It includes laboratory experiences in Scenic Design. Prerequisite: THAR 1380 and 2361 or permission of the instructor. Fee. Cross list with ARTS 3312 (Various)

### 3363 Light Design

This course explores how form is revealed by light. The student will learn how the controllable aspects of light can change our perception of form, as well as affect

## VII. DESCRIPTION OF COURSES

mood and sense on time and place. Research in this course will be directed toward this end, and will involve attending theatrical productions, studying the works of artists and photographers, and watching the sky. Prerequisites: THAR 2360 and THAR 2361, or permission of instructor. Fee. (Various)

### 3381 The Development of Drama and Theatre I

This course is a study of the development of Western theatre from ancient times through the 18th century. It includes the reading of representative plays. This is the writing intensive course for the major. (Spring, even numbered years)

### 3382 The Development of Drama and Theatre II

This course studies the development of western theatre since 1800 and includes the reading of representative plays. (Fall, odd number years)

### 4196 Advanced Theatre Practicum

This course provides students with a laboratory experience in stage management, directing, and the design, construction, and handling of scenery, lighting, sound, properties, costumes, publicity, and box office. Fee. Prerequisites: THAR 3195 and permission of the instructor required (Fall, Spring)

### 4301 Creativity in the Arts

This course presents an overview of the theoretical and practical aspects of creativity applied to the integration of the arts (i.e. music, dance, visual art, theatre, and literature) in the elementary school classroom in order to develop children's imagination and expressive capacity. Fee. Prerequisites: completion of at least 75 semester hours or permission of the instructor (Various)

### 4303 Creative Dramatics

This course is an exploration of process oriented, non-exhibitional theatre activities theatre games with emphasis on movement, pantomime, improvisation, and story dramatization to enhance the creative development of the individual. Fee. Prerequisites: completion of at least 75 semester hours or permission of the instructor (Various)

### 4331 Fundamentals of Directing

This course is an introduction to the role of the Director in the production of plays for the stage, structural and critical thinking, casting, and rehearsing a play, and includes preparation of scenes for laboratory presentation. Prerequisites: THAR 1322 and 2361 or permission of the instructor (Spring)

### 4342 Costume History

This course is a chronological study of western dress and its relationship to society and culture from ancient Egyptian to contemporary times. It includes a study of movement for the actor in period dress. (Various)

### 4370 Internship in Theatre Arts

(Various)

## VII. DESCRIPTION OF COURSES

### 4383 Dramatic Theory and Criticism

What is Theory and why is it important? How is theory useful to theatre and performance scholars? This course will study major trends in dramatic theory and criticism from the Greeks to contemporary critical theory across the disciplines. The course will provide a foundation in general areas of theory. Prerequisites: completion of at least 65 semester hours or permission of the instructor (Various)

### 4385 Shakespeare

May be cross-listed with ENGL 4340. Major authors when Shakespeare is the author.

### 4387 American Theatre

American Theatre is a survey of indigenous theatre and its place in the development of our diverse national heritage. Prerequisites: completion of at least 75 semester hours or permission of the instructor (Spring, various)

### 4393 Reading and Research in Theatre Arts

This course involves intensive research and writing in a selected area conducted under the supervision of the faculty. Departmental approval required. (Various)

### 4333 Senior Studio

This course serves as a capstone experience for Theatre Arts majors. The course provides an opportunity for students to integrate previous knowledge as well as to pursue their individual theatre-related goals. Prerequisites: THAR 4331, and completion of 90 semester credit hours or permission of the instructor. Fee. (Fall)

### 4399 Special Topics

This course may be repeatable for credit using a variety of topics such as playwriting, dramaturgy, and stage management. (Various)

## VISION SCIENCE (VISC)

### 1112 Introduction to Vision Science and Optometry

This course will provide an overview of the field of vision science and the profession of optometry. A historical development of lenses, optics, visual processing and applied vision science will be discussed. An introduction to the profession of health & eye care practice, including modes of practice, and ophthalmic career potential will be included. Historical, current, and future trends in the fields of vision science and optometry will be emphasized. Health care delivery modes (history of health insurance, Medicare, etc.) will be included as they pertain to vision science and eye care. Organizations that represent optometry will be discussed, as well as expected professional and ethical behavior.

### 3211 Applied Vision Science

This course introduces students to the terminology and principles of vision science, areas of applied vision science and research, visual conditions such as myopia, hyperopia, astigmatism, and presbyopia; age-related changes and the impact of systemic diseases on the visual system as well as the use of optical devices to correct ametropic conditions. Moreover, elements of ocular health



## VII. DESCRIPTION OF COURSES

assessment procedures that comprise a comprehensive eye exam, basics of vision screenings, as well as applied procedures used as supplementary testing will be presented. Pre-requisites for this course are PHYS 2305/2105 and PHYS 2306/2106.

### 3212 Neuroscience of the Visual System

This course will cover in the neuroanatomy, neurophysiology, functional neuroscience and basic pathophysiology of the visual system. Areas of emphasis will include anatomy and histology of the retina, optic nerve and tract, primary visual cortex, receptive fields, visual resolution, binocularity, conjugate eye movements, color vision and stereopsis. Lastly, the course will present the changes in neuronal aspects of the visual system that lead to abnormality and loss of visual function. Enrollment in this course is by permission of the instructor. Fee.

### 3291 Clinical Internship I

The UIWSO Clinical Facilities offer pediatric eye care and vision therapy services, general ocular disease care, low vision and rehabilitation service in addition to an extensive community outreach program (School vision screenings, Nursing Home and assisted living services, missions and health fair screenings and education). Our team of respected professional health care providers include residency or fellowship trained practitioners, ophthalmic technicians, opticians, technologists, therapists and other specialists providing comprehensive, patient-centered care for a wide variety of acute and chronic vision disorders.

This course is the first installment course in a three-course series. The course is designed to introduce the undergraduate vision science student to the roles, behaviors, functions and the daily activities of the professional optometrist. Working in small groups with professional optometry students and under the supervision of a professional staff/faculty member, the students will learn and be involved in the art and science of history taking, pre-examination workups, assessment of symptoms, generation of differential diagnosis, activities in the optical dispensary, aspects of vision therapy, diagnosis and treatment of Learning-Related Vision disorders and school vision screening activities.

The students will be required to learn the characteristics of basic vision disorders and ocular diseases and the operations and benefits of new diagnostic technologies. The students will have the opportunity to attend the weekly clinical/research seminars and grand rounds with the professional optometry students.

This internship program will also provide an opportunity for the undergraduate intern to interact with the optometry faculty and professional students in a clinical, patient-based environment. Interns will learn how to exhibit appropriate professional conduct, observe competence in patient care and commitment to lifelong learning, as well as to develop an understanding of professionalism and ethics in healthcare. The pre-requisite for this course is VISC 1112. Co-requisite is VISC 3211. Fee

### 3292 Integrated Ocular Science

This course will cover the macroscopic and microscopic anatomy of ocular structures, orbit, adnexae and the intracranial visual pathway. Basic ocular

## VII. DESCRIPTION OF COURSES

physiological, immunological and biochemical processes such as a tear film, blink mechanism, vascular autoregulation, choroidal function, and photoreceptor phototransduction will be emphasized. Relationships of ocular physiology to pharmacology and pathology, and interactions between separate ocular systems. Pre-requisites for this course: CHEM 4351 and VISC 3211. Fee.

### 4311 Visual Optics

This course provides an introduction to purkinje images, visual axes, refracting surfaces, thin and thick lenses, mirrors, and optical aberrations. Spherical ametropia and its correction. The use of catadioptric images to determine the various axes, angles, and landmarks of the eye. Characteristics of the Gullstrand and Emsley Schematic eyes will be presented. Spherocylindrical lenses and their clinical application to the specification and correction of astigmatism. Induced prism and Prentice's rule. Magnification and retinal image. Pre-requisites for this course: VISC 3211 and VISC 3292. Fee.

### 4322 Overview of Immunology and Eye Disease

This course will provide an overview of the human immune system, immunopathology of disease, detection and basic management of immune disorders and immune-driven ocular disease. Emphasis will be placed on humoral and cellular immune response and their clinical correlates, pathogenesis of auto-immune diseases, inflammation and repair, types of hypersensitivity, tumor immunology and ocular immunopathology. Pre-requisites for this course: CHEM 4351 and VISC 3292. Fee.

### 4291 Clinical Internship II

The UIWSO Clinical Facilities offer pediatric eye care and vision therapy services, general ocular disease care, low vision and rehabilitation service in addition to an extensive community outreach program (School vision screenings, Nursing Home and assisted living services, missions and health fair screenings and education). Our team of respected professional health care providers include residency or fellowship trained practitioners, ophthalmic technicians, opticians, technologists, therapists and other specialists providing comprehensive, patient-centered care for a wide variety of acute and chronic vision disorders.

This course is the second installment in a three-course series. This course is designed to introduce the undergraduate vision science student to the roles, behaviors, functions and the daily activities of the professional optometrist. Working in small groups with professional optometry students and under the supervision of a professional staff/faculty member, the students will learn and be involved in the art and science of history taking, pre-examination workups, assessment of symptoms, generation of differential diagnosis, activities in the optical dispensary, aspects of vision therapy, diagnosis and treatment of Learning-Related Vision disorders and school vision screening activities.

The students will be required to learn the characteristics of basic vision disorders and ocular diseases and the operations and benefits of new diagnostic technologies. The students will have the opportunity to attend the weekly clinical/research seminars and grand rounds with the professional optometry students.

## VII. DESCRIPTION OF COURSES

This internship program will also provide an opportunity for the undergraduate intern to interact with the optometry faculty and professional students in a clinical, patient-based environment. Interns will learn how to exhibit appropriate professional conduct, observe competence in patient care and commitment to lifelong learning, as well as to develop an understanding of professionalism and ethics in healthcare. Enrollment in this course is by permission of the instructor. Fee.

### 4211 Visual Pharmacological Sciences

Basic principles of pharmacology including oral and topical drug absorption, distribution, metabolism, excretion, and dosage as they relate to the visual system. Anti-infective, anti-allergic, anti-glaucomatous, anti-inflammatory, dry eye, anesthetic and chemotherapeutic agents will be covered. Drug delivery systems will also be presented. Pre-requisites for this course: CHEM 4351, BIOL 3471, VISC 3211, VISC 3292, VISC 3212. Fee.

### 4392 Clinical Internship III

The UIWSO Clinical Facilities offer pediatric eye care and vision therapy services, general ocular disease care, low vision and rehabilitation service in addition to an extensive community outreach program (School vision screenings, Nursing Home and assisted living services, missions and health fair screenings and education). Our team of respected professional health care providers include residency or fellowship trained practitioners, ophthalmic technicians, opticians, technologists, therapists and other specialists providing comprehensive, patient-centered care for a wide variety of acute and chronic vision disorders.

This course is the last installment in a 3-course series. This course is designed to introduce the undergraduate vision science student to the roles, behaviors, functions and the daily activities of the professional optometrist. Working in small groups with professional optometry students and under the supervision of a professional staff/faculty member, the students will learn and be involved in the art and science of history taking, pre-examination workups, assessment of symptoms, generation of differential diagnosis, activities in the optical dispensary, aspects of vision therapy, diagnosis and treatment of Learning-Related Vision disorders and school vision screening activities.

The students will be required to learn the characteristics of basic vision disorders and ocular diseases and the operations and benefits of new diagnostic technologies. The students will have the opportunity to attend the weekly clinical/research seminars and grand rounds with the professional optometry students.

This internship program will also provide an opportunity for the undergraduate intern to interact with the optometry faculty and professional students in a clinical, patient-based environment. Interns will learn how to exhibit appropriate professional conduct, observe competence in patient care and commitment to lifelong learning, as well as to develop an understanding of professionalism and ethics in healthcare. Enrollment in this course is by permission of the instructor. Fee.

## VII. DESCRIPTION OF COURSES

### 4212 Public Health and Epidemiology

This course will cover public health and epidemiology, especially as they relate to vision science & clinical eye care. Issues discussed include research study design, screening and testing measures, health care delivery and administration, vulnerable populations and public policy. Provision of eye care in out-of-office settings such as nursing homes, screenings, missions and disaster relief will be presented. Psycho-social and economic factors associated with eye care in the aging population. Pre-requisites for this course: MATH 2303, VISC 3211, and VISC 3292. Fee.

### 4312 Ophthalmic Lenses and Optical Design

This course will emphasize the optical and physical properties of ophthalmic materials, including single, bifocal, multifocal, and aspheric lens design, and scientific factors that influence the development of spectacles and contact lenses. Students will become familiar with performance characteristics of ophthalmic materials, including magnification, aberration, and absorptive lens properties. Study of tools and instruments used to determine parameters of lens design will be covered. Safety lenses, ophthalmic dispensing, dispensing tolerances and ophthalmic frames will be presented. Pre-requisites for this course: PHYS 2305/2105, PHYS 2306/2106, VISC 3211, VISC 3292, and VISC 4311. Fee.

### 4242 Ocular Nutrition

This course will provide an overview of the ocular consequences of adequate and inadequate nutrition, with attention to chronic ocular disorders such as: cataract, dry eye syndrome, and macular degeneration. Emphasis will be placed on the role of proper nutrition and antioxidant use, in alleviating oxidative stress and maintaining ocular health. Specific antioxidants will be addressed including ascorbate, tocopherol, and carotenoids, in light of current scientific literature and landmark clinical trials. This course will also help to better define the relationship between ocular and systemic health. Pre-requisites for this course: NUTR 2341 and CHEM 4351. Fee.

## VIII. University Directory

Board of Trustees .....	381
Board of Trustees Emeriti .....	385
Development Board .....	386
University Administration.....	387
Provost .....	387
Enrollment Management and Student Services .....	387
Finance and Technology .....	388
Institutional Advancement .....	388
International Programs .....	389
Faculty Professor Emeritus .....	390
Faculty .....	392
Preparatory Programs.....	406

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# Index

## A

Academic Advising.....	75
Academic Instruction Plan (ATEP) .....	215
Academic Integrity Policy .....	83
Academic Literacy .....	96
Academic Load .....	76
Academic Overload .....	76
Academic Placement Testing Requirements .....	75
Academic Programs and Services .....	14
Academic Resources .....	17
Account Statements and Disputes .....	41
Accounting .....	163
Accreditation.....	12
Administration .....	153
Admission For Home Schooled Students .....	33
Admission of Exchange Students .....	32
Admission of First-Time Freshmen .....	25
Admission of Graduate Students.....	35
Admission of International Students .....	31
Admission of Military Personnel .....	31
Admission of Non-Degree Seeking Students .....	34
Admission of Post-Baccalaureate/Post-Master’s Students.....	34
Admission of Transfer Students.....	25
Admission of Veterans .....	31
Admission To Teacher Certification Program .....	145
Admission To The Adult Degree Completion Program (ADCaP) and Virtual University.....	29
Admission To The Teacher Apprenticeship Program.....	143
Adult Degree Completion Program (ADCaP) .....	151
Advanced Placement and Advanced Credit .....	29
Affiliations .....	16
All Level Teaching .....	143
Anthropology .....	97, 241
Appeal of an Admissions Denial .....	35
Appeals to Refund Policy .....	44
Application and Approval for State Certification .....	147
Application for the Degree.....	72
Applied Arts and Sciences .....	154
Applied Chemistry .....	195
Applied Music, Private Instruction .....	326
Art .....	97, 243
Art History .....	97, 241
Attendance Policy .....	76
Associate of Arts in Business.....	172
Athletic Training Education .....	208, 248
Auditing Courses .....	39, 77

B

Bachelor of Business Administration .....	160
Banking and Finance .....	163
BBA Degree Requirements .....	160
Biology .....	189, 252
Brainpower Connection .....	22
Board of Trustees .....	380
Board of Trustees Emeriti .....	384
Broadcast Meteorology .....	203
Bulletin For Graduation .....	90
Business	
Accounting .....	257
Banking and Finance .....	259
Business Law .....	260
Economics .....	260
Information Systems .....	261
International Business .....	262
Management .....	264
Marketing .....	266
Business Management & Decision Sciences .....	266

C

Campus Ministry.....	51
Career Education and Services .....	53
Center for Veterans Affairs .....	153
Certification Procedures, Veteran Students .....	49
Challenge Examinations .....	62
Chemistry .....	192, 268
Child Studies.....	148
Classification of Students.....	85
Clinical Instruction Plan (ATEP).....	217
Clinical Placements/Internship/Observation Hours (ATEP).....	210
College Level Examination Program .....	62
College of Humanities, Arts, and Social Sciences .....	97
Commencement Ceremonies Participation .....	92
Communication Arts .....	174, 271
Computer Graphic Arts .....	177, 278
Computer Information Systems .....	180, 282
Computer Literacy .....	286
Computing Technology .....	19
Conditions For Reinstatement, Financial Aid .....	48
Cooperative Programs.....	21
Core Curriculum .....	68
Correspondence Work .....	77
Counseling Services.....	51
Course Numbers.....	240
CPR and First Aid (ATEP) .....	212
Credit by Examination, Certification, or Correspondence Policies .....	61
Credit in Religious Studies .....	28
Credit for Military Experience .....	29
Credits from International Schools .....	29



## INDEX

Credit from Non-Accredited Schools.....	28
Credit from Regionally Accredited Institutions .....	26
Criminal Background Screening (ATEP) .....	212
Cultural Studies .....	100, 286

### D

Dance .....	103, 287
Dean's List.....	86
Defense Activity For Non-Traditional Education Support (Dantes).....	63
Degree Requirements.....	67
Degrees and Major Programs.....	14
Department of Human Performance .....	208
Description of Courses.....	240
Development Board .....	385
Dimensions of Wellness .....	289
Dreeben School of Education .....	139
Drug Screening (ATHP) .....	213

### E

Early Admission for High School Students .....	33
Early Childhood Administration .....	149
EAmyU, GoArmyEd, NCPDLP, and AU-ABC Program .....	30, 152
Economics .....	164
Economics and Finance .....	164
Economics Concentrations.....	164
Education .....	139, 289
Educational Records .....	93
Educational Record and Student Confidentiality .....	94
Educational Records Fee.....	93
Educational Records on Campus .....	93
Educational Record Review .....	93
Educational Record Revision.....	93
Electronic Communication Policy .....	20
Eligibility for Professional Practice (ATEP).....	213
Engineering .....	195, 296
English .....	103, 297
English as a Second Language.....	32
Enrollment and Attendance Policies .....	75
Enrollment Management and Student Services .....	386
Environmental Science .....	197, 301
Extended Academic Programs .....	151
Extended Academic Programs Offered.....	153

### F

Faculty .....	391
Faculty Professor Emeritus .....	389
Fashion Design .....	184, 303
Fashion Management .....	183, 304
Fashion Merchandising .....	185, 306
Feik School of Pharmacy .....	158
Finance and Technology .....	387
Financial Aid Policies and Billing Practices .....	43

## I N D E X

Financial Aid Termination .....	48
Financial Assistance.....	46
Financial Information.....	36
Food Service .....	54
Funds Not Received at the Time of Withdrawal.....	45

### G

General Business.....	167
Geography .....	307
General Information.....	10
Geology .....	199, 307
Grades and Academic History Policies.....	83
Graduation Completion Policies .....	90
Graduation Honors.....	92
Graduation Policies.....	90

### H

Health Requirements/Immunizations for Athletic Training.....	211
Health Services .....	52
H-E-B School of Business and Administration.....	160
Hispanic Marketing.....	170
History .....	106, 309
Honor Points .....	87
Honor Societies.....	86
Housing.....	37
Human Resources .....	155, 312

### I

Immunization Requirements .....	35
Independent Study Work .....	78
Information Systems .....	167
Institutional Advancement.....	387
Institutional Requirements for the Associate Degree.....	67
Institutional Requirements for the Baccalaureate Degree.....	67
Inter-Institutional Work .....	78
Interactive Media and Design Programs Offered.....	174
Intercollegiate Athletics .....	55
Interdisciplinary Studies .....	140
Interior Environmental Design .....	187, 313
International Baccalaureate Program (IB) .....	64
International Business .....	168
International Economics .....	165
International Programs.....	388
International Studies .....	107, 313
Intramural Activities .....	55

### J

J.E. and L.E. Mabee Library .....	16
Joint Admissions Agreement With Alamo Community College District (ACCD).....	30
Juren Sullivan Center For Fashion Management .....	183
Justice and Peace .....	125, 316

# INDEX

## K

Kinesiology ..... 218, 316

## L

Learning Assistance Center/Tutoring and Testing ..... 51  
Learning Communities ..... 96  
Liability and Health Insurance (ATHP) ..... 212  
Liberal Arts ..... 111

## M

Major Requirements ..... 73  
Major Requirements For A Bachelor of Science In Athletic  
Training Degree ..... 215  
Management ..... 168  
Marketing ..... 170  
Marketing Concentrations ..... 169  
Mathematics ..... 199, 318  
Mathematics, Science and Engineering Programs Offered ..... 189  
Merchandising Management ..... 171  
Meteorology ..... 201, 322  
Minor, Interdisciplinary Concentration, or Specialization ..... 73  
Mission of The University of the Incarnate Word ..... 10  
Modern Languages ..... 112, 325  
Music ..... 112  
Music and Ensemble ..... 327  
Music Industry Studies ..... 332  
Music Therapy (Music Therapy) ..... 334  
Music, Applied Private ..... 326

## N

Nuclear Medicine ..... 222, 335  
Nursing ..... 227, 338  
Nutrition ..... 204, 341

## O

Organizational Development ..... 156, 344

## P

Parking ..... 42  
Payment Policy ..... 39, 40  
Permission to Audit ..... 35  
Pharmacy ..... 158, 354  
Philosophy ..... 121, 345  
Physics ..... 206, 348  
Political Economy ..... 126, 166  
Political Science ..... 122, 349  
Preparatory Programs ..... 405  
Professional Certification Credits ..... 65  
Programs of Study (Education) ..... 139  
Programs Offered ..... 109  
Promotion/Retention/Graduation Requirements (ATEP) ..... 214

## INDEX

Provost .....	386
Psychology .....	127, 355

### R

Re-Admission to the University .....	34
Religious Studies .....	129, 359
Repeat Policy .....	87
Required Costs During Matriculation (ATEP).....	212
Research .....	363
Residence Halls and Dining Service .....	37
Return of Title IV Funds .....	44
Returned Items/Insufficient Funds .....	41
Review Policy (Financial Aid).....	48

### S

San Antonio .....	11
Satisfactory Academic Progress (Academic).....	79, 88
Satisfactory Academic Progress (Financial Aid) .....	46
Schedule Adjustment .....	79
School of Interactive Media and Design .....	174
School of Mathematics, Science and Engineering .....	189
School of Nursing and Health Professions.....	208
School of Optometry .....	237
Second Baccalaureate Degree .....	73
Second Major .....	73
Secondary Education .....	142
Senior Connection.....	33
Services .....	17
Sociology .....	132, 363
Spanish.....	134, 366
Speech.....	369
Speech Communication .....	188
Sports Management .....	172, 221, 370
Standards of Progress For Receipt of Veteran's Benefits .....	49
Student Center and Leadership Activities .....	54
Student Complaint Policy .....	55
Student Conduct and Discipline.....	58
Student Disability Services .....	51
Student Educational Records and Student Privacy .....	93
Student Health Insurance .....	41
Student Housing .....	53
Student Identification Cards.....	50
Student Life Services and Programs .....	50
Student Responsibility Statement .....	81
Student Success Program.....	52
Study Abroad and International Exchange Programs .....	23
Study Abroad Enrollment .....	81
Study at Another Institution .....	81
System of Grading .....	86

### T

Technical Standards (ATEP) .....	213
----------------------------------	-----

## I N D E X

Technology Training.....	20
The Campus .....	11
Theatre Arts .....	136, 371
Transcripts .....	94
Transfer of University Work.....	26
Transfer Students .....	25, 26, 11, 224
Tuition.....	36
Tuition and Financial Regulations .....	36
Tuition Discounts.....	37
Types of Financial Assistance Available .....	46

### U

Undergraduate Academic Regulations and Institutional Policies .....	59
Undergraduate Admissions .....	24
Undergraduate Programs.....	96
Universe Online .....	152
University Administration.....	386
University Board Advanced Placement Program.....	65
University Directory .....	380

### V

Veteran's Benefits .....	49
Vision Science .....	237, 375

### W

Withdrawals and Refunds .....	43
-------------------------------	----