

MINUTES OF THE IUP UNIVERSITY SENATE

April 29, 2003

Chairperson Smith called the April 29, 2003, meeting of the University Senate to order at 3:20 p.m., in the Alumni Auditorium of the Eberly College of Business. **The following Senators informed the Senate Leadership that they could not attend:**

Bieger, Villalobos-Echeverria, Goldsmith, Hall, Kennedy, Marx, Trenney.

The following Senators were absent from the meeting:

Aoin, Barker, Camp, Cercone, Tannous, Williamson.

The minutes of the April 1, 2003, meeting were **APPROVED**.

Agenda items for the April 1, 2003, meeting were **APPROVED**.

REPORTS AND ANNOUNCEMENTS

President's Report (Senator Pettit):

Senator Pettit thanked everyone for their work in completing the work to make the new 120-credit requirement a reality. He gave special thanks and acknowledgement to the members of the University-Wide Undergraduate Committee for their efforts.

Provost's Report (Senator Staszkievicz):

Senator Staszkievicz also thanked everyone for their effort on the 120-credit revisions, and praised the hard work of the University-Wide Undergraduate Committee.

He also addressed questions surrounding how the new 120-credit requirement, which applies to all students entering IUP in the fall of 2003 and later, would impact current IUP students. Senator Staszkievicz said he had posed the question to IUP's deans, and that no formal policy had yet been decided upon. However, Staszkievicz said a majority of the deans who had responded to the question indicated that they would prefer an approach in which a student would request to have the new requirements to apply to them, and that the request would be considered by the student's advisor, department and college.

Chair's Report (Senator Smith):

Senator Smith, too, commended the work of all on the 120-credit requirement, and noted that, in the interest of time, he had no other remarks.

Vice-Chair's Report (Senator Aion):

Senator Aion was not in attendance.

STANDING COMMITTEE REPORTS**Rules Committee (Chair Broad):**

Senator Broad announced that the proposed bylaw changes for the Library and Educational Services Committee had been approved.

University Development and Finance Committee (Chair Domaracki):

See APPENDIX A, p. 3.

Academic Committee (Andrew):

See APPENDIX B, p. 4-5.

Awards Committee (Jackson):

No report.

University-Wide Undergraduate Curriculum Committee (Co-Chairs Sechrist/Newman):

See APPENDIX C, pages 6-133.

University-Wide Graduate Committee (Co-Chairs Chambers/LaPorte):

See APPENDIX D, pages 134-146.

Library and Educational Services Committee (Chair Johnson):

See APPENDIX E, page 147.

Noncredit Committee (Chair Karimi):

No report.

Research Committee (Chair Guth):

No report.

Student Affairs Committee (Chair Hall):

No report.

Adjournment

With no further business, the meeting was adjourned at 5:10 p.m.

Respectfully submitted,

Gwen Torges
Secretary, IUP Senate

**APPENDIX A:
University Development and Finance Committee
(Chairperson Domaracki)**

For information:

The following project has been previously approved.

**Pennsylvania State System of Higher Education / Indiana University of Pennsylvania
Capital Budget / Authorized Projects / March 2003**

The following Capital Projects have been authorized by legislation:

Project	Project #	Type	Act	Expiration	Auth Amt	Design & Contin. Alloc	Constr Alloc
Construction of New Multipurpose Convocation Center	407-66	Capital LEG	35/99 131/02	6/16/03	\$20,000,000		
CONST. 150,000 S.F. CONVOCATION CENTER		Capital LEG	35/99 131/02	6/16/03	\$38,271,000	\$3,000,000	\$31,892,500
Addition/Renovation Cogswell Hall	407-67	Capital	47/97 126/02	10/10/04	\$8,888,000	\$1,481,000	\$7,407,000
Addition/Renovation Fisher Auditorium	407-68	Capital	27/00	6/22/04	\$9,354,000	\$1,559,000	\$7,795,000
Const/Replace Wyant/Doerr – Armstrong	407-69	Capital	35/99 131/02	6/25/03	\$5,750,000	\$958,000	\$4,792,000
Const/Replace Old Main – Punxsutawney	407-70	Capital	35/99 131/02	6/25/03	\$5,750,000	\$958,000	\$4,792,000
Academic Science Building		Capital LEG	35/99	6/16/03	\$21,234,000		
Parking Garage		Capital LEG	35/99	6/16/03	\$9,228,000		
Renovate Cogswell Hall, PH II		Capital LEG	35/99	6/16/03	\$13,000,000		
Add'n/Renovate Ackerman Hall		Capital	27/00	6/22/04	\$5,526,000	\$921,000	\$4,605,000
Renovate Wilson Hall		Capital	27/00	6/22/04	\$2,749,000	\$458,000	\$2,291,000
Renovation of Steam Tunnels		Capital	27/00	6/22/04	\$1,590,000	\$265,000	\$1,325,000
Upgrade of Electrical Distribution System		Capital	27/00	6/22/04	\$1,921,000	\$320,000	\$1,601,000
Renovation of Boiler Plant		Capital	27/00	6/22/04	\$3,288,000	\$548,000	\$2,740,000
Addition Stapleton Library		Capital	131/02	6/25/03	\$9,100,000		
Addition/Renovate Sprowls Hall		Capital	131/02	10/30/06	\$21,655,000		
Renovate Davis Hall		Capital	131/02	10/30/06	\$13,074,000		
Renovate Keith Hall		Capital	131/02	10/30/06	\$10,729,000		
Renovate Leonard Hall		Capital	131/02	10/30/06	\$8,336,000		
Renovate Memorial Field House		Capital	131/02	10/30/06	\$16,040,000		
Renovate Pratt Hall		Capital	131/02	10/30/06	\$5,738,000		
Renovate Stabley Library		Capital	131/02	10/30/06	\$8,291,000		
Renovate Sutton Hall, Phase II		Capital	131/02	10/30/06	\$23,280,000		
Renovate Walsh Hall		Capital	131/02	10/30/06	\$3,344,000		
Renovate Weyandt Hall		Capital	131/02	10/30/06	\$30,659,000		
Original Furniture & Equipment	Project #	Type	Act	Expiration	Auth Amt	Design & Contin. Alloc	Constr Alloc
Original Furn & Equip. Cogswell Hall	407-67	Capital	131/02	10/30/06	\$888,000		
Original Furn & Equip. Fisher	407-68	Capital	131/02	10/30/06	\$935,000		
Original Furn & Equip. Armstrong	407-69	Capital	131/02	10/30/06	\$575,000		
Original Furn & Equip. Punxsutawney	407-70	Capital	131/02	10/30/06	\$575,000		
Original Furn & Equip Ackerman Hall		Capital	131/02	10/30/06	\$553,000		
Original Furn & Equip Keith Hall		Capital	131/02	10/30/06	\$992,000		
Original Furn & Equip. Leonard Hall		Capital	131/02	10/30/06	\$773,000		
Original Furn & Equip Stabley		Capital	131/02	10/30/06	\$727,000		
Original Furn & Equip Wilson Hall		Capital	131/02	10/30/06	\$275,000		

FORSENATE ACTION:**PASSED**

The committee moves the approval of the following project five-year priority order for the FY 2004-2005 Capital Budget Submission:

**Proposed Five-Year Priority Order
FY 2004-2005 Capital Budget Submission**

The following is our proposed five-year priority order of Capital Projects:

Proposed Priority Order 2004-2005

- | | |
|--|--|
| 1. Construct/Replace Wyant/Doerr - Armstrong (Reauthorization) | 5. Upgrade of Electrical Distribution System (Reauthorization) |
| 2. Const/Replace Old Main Punxsutawney (Reauthorization) | 6. Renovation of Boiler Plant (Reauthorization) |
| 3. Academic Science Building (Reauthorization -
Renovation of Weyandt/Walsh by Replacement) | 7. Renovate Wilson Hall (Reauthorization) |
| 4. Renovation of Steam Tunnels (Reauthorization) | |

Proposed Priority Order 2005-2006

1. Renovation of Pierce Hall
2. Renovation of Stright Hall

Proposed Priority Order 2006-2007

1. Renovation of Zink Hall

Proposed Priority Order 2007-2008

1. Renovation of Robertshaw Complex

Proposed Priority Order 2008-2009

1. Renovation of Stadium & Field Areas

Proposed Original Furniture & Equipment FY 2004-2005

1. Regional Development Center

**APPENDIX B:
Academic Committee
(Chair Andrew)**

The Senate Academic Committee reviewed the IUP Student Grade Appeal Policy and made several modifications to some of the language. The changes were made to clarify certain parts of the policy.

FOR ACTION:

PASSED

The Academic Committee moves the following changes to the IUP Student Grade Appeal Policy:

Grade Review Policy:

If a student disagrees with the evaluation of his/her work by the instructor but has no basis for a charge of “discrimination” or “capricious evaluation” or “error,” the student should discuss the matter directly with the instructor, and if unsatisfied, **with the chairperson of the department in which the course was offered**, and if still unsatisfied, with the Dean of the college in which the course was offered. In such cases the decision of the instructor will be final.

Procedures of Appeal

Level II: Appeal Screening

B. Procedure to Initiate Appeal:

Last sentence will read. The Provost’s Office will notify the appropriate dean, department chairperson, faculty member, **APSCUF president**, and the Student Congress president of the student’s initiation of the Level II process.

Level III: Appeal Review

C. Procedure

C 2. Add this sentence to end of section: **The Provost’s Office will notify the student of grade changes resulting from Level III decisions.**

C 3. All documents supporting the report will be sealed and kept **for one year** to ensure the appropriate action is taken before they are destroyed or returned to the individual presenting the evidence.

Ancillary Provisions

E. Training/Support: The Provost’s Office will offer yearly information sessions/workshops to assist deans, chairs, grade appeals panel/committee members, and members of the Student Congress/Academic Affairs Committee (delete)/**University** in identifying issues and to provide guidance for the resolution of grade appeals.

**APPENDIX C:
University-Wide Undergraduate Curriculum Committee
Co-Chairs Sechrist and Numan**

FOR INFORMATION:

1. Liberal Studies Committee Report:

Approved Liberal Studies revisions for the following programs:

B.A. Political Science; B.A. Government and Public Service; B.A.—International Studies/Political Science; B.A.—Political Science/Pre-Law Track; B.S. in Education/Earth and Space Science; B.S. in Education/General Science Education; B.S. in Education/Physics; B.S. in Education/Secondary Spanish Education; A.A.—General Studies; B.S. in Education/Social Studies Education/Geography Track; B.S. in Education/English Education; B.A.—General Anthropology Track; B.A.—Anthropology/Archaeology Track; B.A.—Anthropology/Applied Anthropology Track; B.A.—Art/History Track; B.S.—Nutrition/Dietetics Track; B.S.—Nutrition/Nutrition Track; B.S. in Education—Family and Consumer Sciences Education; B.S.—Nursing; B.S.—Nursing/RN Track; B.A.—Religious Studies; B.S. in Education—Chemistry; B.A. Chemistry; B.S. Chemistry; B.S. in Education—Art Education; B.S. in International Business; B.S. Human Resource Management; B.S. Management Information Systems; B.S. Business Technology Support; B.A. Spanish; B.S. Applied Physics/Electro-Optics Track; B.A. Interdisciplinary Fine Arts; B.A. Physical Education and Sport/Aquatic Track; B.S. Physical Education and Sport/Sport Administration Track; B.S. in Education—Vocational-Technical Education; B.S. in Education/Business Education; B.A.—Music/Theory and Composition Track; B.A.—Music/History and Literature Track; B.A.—Music/Music Performance Track; B.F.A.—Music Performance; B.A.—Theater; B.S. in Education/Social Science Education/Anthropology Concentration; B.A.—Computer Science; B.S.—Computer Science/Languages and Systems Track; B.A.—Computer Science/Applied Computer Science Track; B.S.—Computer Science/Information Assurance Track; B.S.—Environmental Health; B.S.—Physical Education and Sport/Athletic Training Track; B.S.—Physical Education and Sport/Exercise Science Track; B.S.—Physical Education and Sport; B.S.—Hospitality Management; B.S. in Education--K-12 French Education; B.S. in Education—Secondary German Education; B.A.—German for International Trade; B.S.—Clinical Laboratory Science; B.S.—Nuclear Medicine Technology; B.F.A.—Studio; B.A.—Art/Studio; B.S. in Education/Music Education; B.A.—Spanish for International Trade; B.S.—Natural Science; B.S.—Natural Science/Pre-Chiropractic Track; B.S.—Natural Science/Pre-Dentistry Track; B.S. Natural Science/Pre-Optometry Track; B.S.—Natural Science/Pre-Pharmacy Track; B.S. Natural Science/Pre-Physical Therapy Track; B.S. Natural Science/Pre-Podiatry Track; B.S. Interior Design; B.A. English/Pre-Law; B.S. in Education—Health and Physical Education; B.S. in Education/Social Science Education/Sociology Concentration.

Approved:

Type III writing approval for Irene Kabala for ARHI 417 Byzantine Art

LBST 499 Genji to Godzilla, Dr. Penny Rode, Department of Art

LBST 499 Surviving the World of Work: Labor Relations, Dr. David Piper, Department of Industrial and Labor Relations

One time approval for Dr. Gary Buterbaugh to teach COSC 201 Internet and Multitmedia as writing intensive in summer of 2003.

CHEM 113 Concepts in Chemistry and CHEM 114 Basic Inorganic Chemistry for Natural Science Laboratory category.

MUHI 102 Survey of Music Literature for the Fine Arts category.

HIST 281 The World in the Twentieth Century as a substitute for HIST 195 for 2003-04 ONLY while the course is piloted.

FDNT 362 Experimental Foods and Dr. Mia Barker for Type III writing approval.

THRT 310 Theater Criticism for Type II departmental course writing approval.

ARHI 425 Arts of China and Dr. Penny Rode for Type III writing approval.

ARHI 426 Arts of Japan and Dr. Penny Rode for Type III writing approval.

2. The following courses were approved to be offered as distance education courses:

CRIM 281/CRIM 225 Survey of Corrections, Dr. Kathleen Hanrahan, Department of Criminology.

ENGL 121 Humanities Literature, Dr. Gian Pagnucci, Department of English

3. Department of Human Development and Environmental Studies—Course Title Change

**FCSE 450 Teaching Vocational Home Economics to
Teaching Vocational and Family Consumer Sciences Education**

4. Department of Art—Prefix Change and Course Title Changes

A. Prefix Change:

**ART 100 Arts of the 20th Century to
ARHI 100 Arts of the 20th Century**

Rationale: A member of the studio faculty designed the course and it was introduced into the curriculum as an ART course. For many years, however, it has been offered by a member of the Art History faculty, and is, in fact, a historical course. We propose to give it an ARHI prefix to reflect the content more accurately.

B. Course Title Changes:

**ARED 315 Survey in Art Education to
ARED 315 Issues of Art in K-12 Programs**

**ARED 317 Art Education Methodology at the Elementary Level to
ARED 317 Art in K-6 Programs**

**ARED 318 Art Education Methodology at the Secondary Level to
ARED 318 Art in 7-12 Programs**

5. Department of Business Technology and Support—Course Title and Catalog Description Changes

Current Catalog Description:

BTED 311 Methods and Evaluation in Business and Marketing Education I 3c-01-3cr

Prerequisites: PSYC101, EDSP 102, and completion of the freshman and sophomore courses in the student's major areas.

Includes general methods of teaching and evaluation plus methods and evaluation of basic business courses. Unit plans, lesson plans, and unit tests are emphasized. Techniques and procedures of teaching and classroom management are studied. Includes units in vocational education such as advisory committees, adult education, and federal legislation for funding.

Proposed Catalog Description:

BTED 311 Methods in Business and Information Technology I 3c-01-3cr

Prerequisites: EDSP 102, PSYC101, and completion of the freshman and sophomore courses in the student's major areas.

Includes instruction in the general methods of teaching and evaluating business courses. Major emphasis is

placed on the planning for instruction. Creative techniques and procedures for effectively teaching and managing the classroom are evaluated. Current issues in vocational education such as advisory committees, adult education, and federal legislation are included.

**DEDU 413 Methods and Evaluation in Distributive Education II to
DEDU 413 Methods and Evaluation in Marketing Education**

Rationale: Both revisions reflect the new K-12 teacher certification in Pennsylvania for business education teachers interested in being certified in marketing education.

6. Department of Biology—Course Prefix and Catalog Description Changes

Current Catalog Description:

BIOL 310 Applied Entomology and Zoonoses **2c-3l-3sh**

Prerequisite: BIOL 220 or permission

A study of the measures for abatement or control of arthropods, rodents, birds, and other disease vectors of public importance; selection, chemistry, formulation, and safe application of insecticides, rodenticides, and fumigants; pesticing equipment; application of biological and other measures of control.

Proposed Catalog Descriptions:

BIOL 310 Applied Entomology and Zoonoses **2c-3l-3cr**

Prerequisite: BIOL 220 or permission

A study of the measures for abatement or control of arthropods, rodents, birds, and other disease vectors of public importance; selection, chemistry, formulation, and safe application of insecticides, rodenticides, and fumigants; pesticing equipment; application of biological and other measures of control. (Also offered as ENVH 310; may not be taken for duplicate credit.)

ENVH 310 Applied Entomology and Zoonoses **2c-3l-3cr**

Prerequisite: ENVH 220 or permission

A study of the measures for abatement or control of arthropods, rodents, birds, and other disease vectors of public importance; selection, chemistry, formulation, and safe application of insecticides, rodenticides, and fumigants; pesticing equipment; application of biological and other measures of control. (Also offered as BIOL 310; may not be taken for duplicate credit.)

Current Catalog Description:

BIOL 323 Introduction to Toxicology and Risk Assessment **3c-01-3sh**

Prerequisites: BIOL 104 or 112, CHEM 102 or 112; or permission

Study of uptake, distribution, metabolism, and excretion of environmental chemicals; mechanisms of their toxicity; and their effects on major organ systems. Knowledge of these topics will be applied to risk assessment procedures.

Proposed Catalog Descriptions:

BIOL 323 Introduction to Toxicology and Risk Assessment **3c-01-3cr**

Prerequisites: BIOL 104 or 112, CHEM 102 or 112; or permission

Study of uptake, distribution, metabolism, and excretion of environmental chemicals; mechanisms of their toxicity; and their effects on major organ systems. Knowledge of these topics will be applied to risk assessment procedures. (Also offered as ENVH 323; may not be taken for duplicate credit.)

ENVH 323 Introduction to Toxicology and Risk Assessment**3c-01-3cr****Prerequisites:** BIOL 104 or 112, CHEM 102 or 112; or permission

Study of uptake, distribution, metabolism, and excretion of environmental chemicals; mechanisms of their toxicity; and their effects on major organ systems. Knowledge of these topics will be applied to risk assessment procedures. (Also offered as BIOL 323; may not be taken for duplicate credit.)

Current Catalog Description:**BIOL 460 Fundamentals of Environmental Epidemiology****3c-01-3sh****Prerequisites:** MATH 216 or 217; BIOL 104 or 112; or permission of instructor

Study of the health consequences of involuntary exposure to harmful chemical and biological agents in the general environment. Disease etiology, occurrence, and intervention in human populations will be examined through epidemiologic study using analytical methods and applications.

Proposed Catalog Descriptions:**BIOL 460 Fundamentals of Environmental Epidemiology****3c-01-3cr****Prerequisites:** MATH 216 or 217; BIOL 104 or 112; or permission of instructor

Study of the health consequences of involuntary exposure to harmful chemical and biological agents in the general environment. Disease etiology, occurrence, and intervention in human populations will be examined through epidemiologic study using analytical methods and applications. (Also offered as ENVH 490; may not be taken for duplicate credit.)

ENVH 460 Fundamentals of Environmental Epidemiology**3c-01-3cr****Prerequisites:** MATH 216 or 217; BIOL 104 or 112; or permission of instructor

Study of the health consequences of involuntary exposure to harmful chemical and biological agents in the general environment. Disease etiology, occurrence, and intervention in human populations will be examined through epidemiologic study using analytical methods and applications. (Also offered as BIOL 490; may not be taken for duplicate credit.)

Rationale: The new prefix is being introduced to meet the guidelines of the National Environmental Health Science and Protection Accreditation Council (EHAC). Accreditation will improve student recruitment, internship and funding opportunities, and job placement of graduates. EHAC wants to be able to identify the specific courses in the program and how it is separate from Biology. This major already has a separate code and so the new prefix will align the courses with the existing major code.

7. Department of Hospitality Management--Course Title Change and Catalog Description Change**Current Catalog Description:****HRIM 413 Advanced Restaurant Operations****1c-6l-4sh****Prerequisites:** HRIM 313 and permission

A food and beverage systems course with emphasis on restaurant front- and back-of-the house operations management. Students research, plan, prepare, and present theme-oriented dinners showcasing selected domestic and international cuisine. Students function as both operations employees and managers within the department's food and beverage operation.

Proposed Catalog Description**HRIM 413 Advanced Food Production and Service****1c-6l-4cr****Prerequisites:** HRIM 330 and permission

A food and beverage systems course with emphasis on restaurant front-and back-of-the-house operations management. Students research, plan, prepare, and present theme-oriented dinners showcasing selected domestic and international cuisine. Students function as both operations employees and managers within the department's food and beverage operation.

Rationale: HRIM 413 is the third in a series of three food production and service courses. As it is the most advanced of the three, both numerically and in course content, the course name revision has been proposed.

FOR ACTION:

PASSED

1. From the Information Literacy Task Force endorsed by Liberal Studies Committee and UWUCC

IUP Information Literacy Competency Standards

Adapted 12/14/01 from the Association of College and Research Libraries, 2000.

Standard 1: The information literate person **determines** the nature and extent of the information needed.

Performance Indicators: The information literate person--

1. --defines and articulates the need for information.
2. --identifies a variety of types and formats of potential sources for information.
3. --considers the costs and benefits of acquiring the needed information.
4. --reevaluates the nature and extent of the information need.

Outcomes Include:

The person is able to identify and refine perceived information deficiencies, i.e., what information is needed; identify and analyze sources of information, i.e., where is the information located; analyze the financial and logistic implications of acquiring information, i.e., how will the information be obtained; and monitor the acquisition of information with an eye toward review and revision, i.e., when has enough information been gathered and evaluated

Standard 2: The information literate person **accesses** needed information effectively and efficiently.

Performance Indicators: The information literate person—

1. –selects the most appropriate investigative methods or information retrieval systems for accessing the needed information.
2. –constructs and implements effectively-designed search strategies.
3. –retrieves information online or in person using a variety of methods.
4. –refines the search strategy if necessary.
5. --extracts, records, and manages the information and its sources.

Outcomes Include:

Using efficient investigative methods, the person will implement effective information search strategies that will be beneficial in extracting and managing needed information. The research plan will utilize effective keywords, discipline-specific vocabulary, and a variety of search systems including library sources, online search engines, and other forms of inquiry, i.e., surveys and interviews. The person will evaluate the quality of the information and use correct citation procedures.

Standard 3: The information literate person **evaluates** information and its sources critically and **incorporates** selected information into his or her knowledge base and value systems.

Performance Indicators: The information literate person—

1. –summarizes the main ideas to be extracted from the information gathered.
2. –articulates and applies initial criteria for evaluating both the information and its sources.
3. --synthesizes main ideas to construct new concepts.
4. –compares new knowledge with prior knowledge to determine the value added, contradictions, or other unique characteristics of the information.
5. –determines whether the new knowledge has an impact on the individual’s value system and takes steps to reconcile differences.
6. –validates understanding and interpretation of the information through discourse with other individuals, subject area experts, and/or practitioners.
7. –determines whether the initial query should be revised.

Outcomes Include:

The person will have an understanding of relevant information and the evaluation of the resource where the information was found as the first step to being able to then manipulate the information in various multimedia or software programs. The person will then determine supporting or conflicting information and viewpoints through comparison of information or discussion with others, in order to conclude whether or not the need for information has been satisfied.

Standard 4: The information literate person, individually or as a member of a group, **uses** information effectively to accomplish a specific purpose.

Performance Indicators: The information literate person--

1. –applies new and prior information to the planning and creation of a particular product or performance.
2. –revises the development process for the product or performance.
3. –communicates the product or performance effectively to others.

Outcomes Include:

The person is able to plan and efficiently organize for an end result; incorporates all appropriate information (regardless of format); revises interim results(s) as necessary and is able to present the end result clearly and effectively to an intended audience.

Standard 5: The information literate person **understands context**, meaning, many of the economic, legal, and social issues surrounding the use of information and **accesses** and **uses** information ethically and legally.

Performance Indicators: The information literate person—

1. –understands many of the ethical, legal, and socio-economic issues surrounding information and information technology.
2. –follows laws, regulations, institutional policies, and etiquette related to the access and use of information resources.
3. –acknowledges the use of information sources in communicating the product or performance.

Outcomes include:

The person should know and respect privacy rights, netiquette, and copyrights. The person should also understand censorship and plagiarism issues. Finally, the information literate person must also know how to cite sources appropriately.

BA— Political Science

Current Program:		Proposed Program:	
Liberal Studies:	53-55	Liberal Studies:	50
Social Science: PLSC 111		Mathematics: 3cr	
Liberal Studies Electives: no courses with PLSC prefix		Social Science: PLSC 111	
		Liberal Studies Electives: 6cr, no courses with PLSC prefix	
College:	0-6	College:	0-6
Major:	33	Major:	33
Other Requirements:	15-27	Other Requirements:	18-27
Free Electives:	3-23	Free Electives: enough credits beyond those listed above to total 120 credits.	
Total Degree Requirements:	124	Total Degree Requirements:	120

Rationale: Liberal Studies Electives will be reduced by 3cr and Free Electives by 1, which will make Free Electives 4-19.

BA—Government and Public Service

Current Program:		Proposed Program:	
Liberal Studies:	53-55	Liberal Studies:	50
Mathematics: MATH 217		Mathematics: MATH 217	
Social Science: ECON 121, PSYC 101, SOC 151		Social Science: ECON 121, PSYC 101, SOC 151	
Liberal Studies Electives: COSC 101; no courses with PLSC prefix		Liberal Studies Electives: 6cr, COSC 101, no courses with PLSC prefix	
College:	0-6	College:	0-6
Major:	39	Major:	39
Other Requirements:	21	Other Requirements:	21
Free Electives:	3-11	Free Electives: enough credits beyond those listed above to total 120 credits.	
Total Degree Requirements:	124	Total Degree Requirements:	120

Rationale: Liberal Studies Electives will be reduced by 3cr and Free Electives by 1, which will make Free Electives 4-10.

BA— International Studies/Political Science

Current Program:		Proposed Program:	
Liberal Studies:	53-55	Liberal Studies:	50
Social Science: PLSC 111		Mathematics: 3cr	
Liberal Studies Electives: no courses with PLSC prefix		Social Science: PLSC 111	
		Liberal Studies Electives: 6cr, no courses with PLSC prefix	
College:	0-6	College:	0-6
Major:	33	Major:	33
Other Requirements:	0	Other Requirements:	33
Free Electives:	30-38	Free Electives: enough credits beyond those listed above to total 120 credits.	
Total Degree Requirements:	124	Total Degree Requirements:	120

Rationale: Liberal Studies Electives will be reduced by 3cr and Free Electives by 1, which will make Free Electives 31-37.

Current Program:

BA – Political Science/ Pre-Law Track

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Social Science: PLSC 111

Liberal Studies Electives: no courses with PLSC prefix

College:

Foreign Language Intermediate Level (1)

Major:

Required Courses:

PLSC 101 World Politics

PLSC 111

Controlled Electives:

At least one course in three of first four areas:

American Studies: PLSC 251, 300, 346, 350, 351, 353, 354, 355, 356, 357, 358, 359

Political Theory: PLSC 360, 361, 362

Public Policy and Administration: PLSC 250, 370, 371, 444

International Studies: PLSC 280, 282, 283, 285, 320, 321, 380, 382, 383, 384, 385, 386, 387, 388, 389 (4)

General Political Science: PLSC 300 (strongly recommended), PLSC 377, 480, 481, 482, 485, 493

Other Requirements:

Pre-law Interdisciplinary Track

Seven courses, including at least one from each of six areas:

Business: ACCT 201, ACCT 202, BLAW 235

Criminology: CRIM 210, 260, 357

Economics: ECON 121, 122, 332

English: ENGL 212, 220, 310

History: HIST 320, 321, 346

Philosophy: PHIL 101, 222, 450

Free Electives: (3)

Total Degree Requirements:

- (1) Intermediate-level Foreign Language may be included in Liberal Studies electives.
- (2) PLSC 101 satisfies non-Western requirement.
- (3) Semester hours for PLSC 111 are counted in the Liberal Studies Social Science requirements.
- (4) PLSC 280 and/or 285 recommended as prerequisite to PLSC 380 through 389.

Proposed Program:

BA – Political Science/ Pre-Law Track

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: 3cr

Social Science: PLSC 111

Liberal Studies Electives: 6cr, no courses with PLSC prefix

College:

Foreign Language Intermediate Level (1)

Major:

Required Courses:

PLSC 101 World Politics

PLSC 111

Controlled Electives:

At least one course in three of first four areas:

American Studies: PLSC 251, 300, 346, 350, 351, 353, 354, 355, 356, 357, 358, 359

Political Theory: PLSC 360, 361, 362

Public Policy and Administration: PLSC 250, 370, 371, 444

International Studies: PLSC 280, 282, 283, 285, 320, 321, 380, 382, 383, 384, 385, 386, 387, 388, 389 (4)

General Political Science: PLSC 300 (strongly recommended), PLSC 377, 480, 481, 482, 485, 493

Other Requirements:

Pre-law Interdisciplinary Track

Seven courses, including at least one from each of six areas:

Business: ACCT 201, ACCT 202, BLAW 235

Criminology: CRIM 210, 215, 255

Economics: ECON 121, 122, 332

English: ENGL 212, 220, 310

History: HIST 320, 321, 346

Philosophy: PHIL 101, 222, 450

12-26 Free Electives: enough credits beyond those listed above to total 120.

124 Total Degree Requirements:

- (1) Intermediate-level Foreign Language may be included in Liberal Studies electives.
- (2) PLSC 101 satisfies non-Western requirement.
- (3) Semester hours for PLSC 111 are counted in the Liberal Studies Social Science requirements.
- (4) PLSC 280 and/or 285 recommended as prerequisite to PLSC 380 through 389.

Rationale: Liberal Studies Electives will be reduced by 3cr and Free Electives by 1, which will make Free Electives 10-22. The Criminology Courses have been changed to match the revised program in Criminology.

3. Department of Anthropology—Program Revisions (120)

PASSED

BA— General Anthropology Track

Current Program:

Liberal Studies:

53-54

Proposed Program:

Liberal Studies:

53

Mathematics: MATH 217
Social Science: GEOG 104 (recommended)
Liberal Studies Electives: BTED/COSC/IFMG 101 (recommended), no courses with ANTH prefix

College: 0-6
Major: 36
Other Requirements: 0
Free Electives: 34-35
Total Degree Requirements: 124

Mathematics: MATH 217
Social Science: GEOG 104 (recommended)
Liberal Studies Electives: 9cr, BTED/COSC/IFMG 101 (recommended), no courses with ANTH prefix

College: 0-6
Major: 36
Other Requirements: 0
Free Electives: enough credits beyond those listed above to total 120 credits.
Total Degree Requirements: 120

Rationale: Free Electives will be reduced by 4cr, which will make Free Electives 25-31.

BA— Anthropology/Applied Anthropology Track

Current Program:

Liberal Studies: 53-54
Mathematics: MATH 217
Social Science: GEOG 104 (recommended)
Liberal Studies Electives: BTED/COSC/IFMG 101 (recommended), no courses with ANTH prefix

College: 0-6
Major: 36
Other Requirements: 0
Free Electives: 34-35

Total Degree Requirements: 124

Proposed Program:

Liberal Studies: 53
Mathematics: MATH 217
Social Science: GEOG 104 (recommended)
Liberal Studies Electives: 9cr, BTED/COSC/IFMG 101 (recommended), no courses with ANTH prefix

College: 0-6
Major: 36
Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements: 120

Rationale: Free Electives will be reduced by 4cr, which will make Free Electives 25-31.

BA— Anthropology/Archaeology Track

Current Program:

Liberal Studies: 53-54
Mathematics: MATH 217
Natural Science: GEOS 121-122 and 131-132 (recommended)
Social Science: SOC 151 (recommended)
Liberal Studies Electives: BTED/COSC/IFMG 101 (recommended), no courses with ANTH prefix

College: 0-6
Major: 36
Other Requirements: 0
Free Electives: 37-38

Total Degree Requirements: 124

Proposed Program:

Liberal Studies: 54
Mathematics: MATH 217
Natural Science: GEOS 121-122 and 131-132 (recommended)
Social Science: SOC 151 (recommended)
Liberal Studies Electives: 9cr, BTED/COSC/IFMG 101 (recommended), no courses with ANTH prefix

College: 0-6
Major: 36
Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements: 120

Rationale: Free Electives will be reduced by 4cr, which will make Free Electives 24-30.

Current Program:

**BS—Education—Social Science
 Education/Anthropology Concentration(*)**

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: 53-55
Social Science: ANTH 211, ECON 121, PSYC 101
Liberal Studies Electives: ECON 122, GEOG 230,

Proposed Program:

**BS—Education—Social Science
 Education/Anthropology Concentration(*)**

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: 48
Mathematics: 3cr
Humanities-History: Fulfilled by required courses

no courses with ANTH prefix

in the major

Natural Science: BIOL 103-104 or two of the following: GEOS 101/102, GEOS 103/104, GEOS 105/106

Social Science: ANTH 211, ECON 121, PSYC 101

Liberal Studies Electives: 6cr, SOC 362 or 363, PSYC 310 or 330

College: **32**

Professional Education Sequence:

COMM 103	Digital Instructional Technology	3sh
EDEX 301	Education of Students with Disabilities in Inclusive Secondary Programs	3sh
EDSP 102	Educational Psychology	2sh
FDED 102	American Education in Theory and Practice	3sh
EDSP 477	Assessment of Student Learning: Design and Interpretation of Educational Measures	3sh
EDUC 242	Pre-student Teaching Clinical Exp. I	1sh
EDUC 342	Pre-student Teaching Clinical Exp II	1sh
EDUC 441	Student Teaching	12sh
EDUC 442	School Law	1sh
EDUC 455	Teaching of Social Science in Secondary Schools	3sh

Major: **21**

Required courses:

ANTH 211	Cultural Anthropology	*sh(1)
ANTH 222	Biological Anthropology	3sh
ANTH 233	Language and Culture	3sh
ANTH 244	Basic Archaeology	3sh
Two area ethnography courses:		
ANTH 271, 272, 273, or 314		6sh
Two additional Anthropology courses numbered 300 or above		
		6sh

History Distributional Requirements: **9**

Any two History courses with focus on the U.S.	6sh
Any Non-Western or World History course	3sh

Required Social Science Distribution: **6**

GEOG 104, 252, 255, 256, or 257	3sh
PLSC 280 or 285	3sh

Other Requirements: **0**

Free Electives: **1-6**

Total Degree Requirements: **128-129**

- (*) See requirements leading to teacher certification, titled "Admission to Teacher Education," in the College of Education and Educational Technology section of this catalog.
- (1) Courses counted toward Liberal Studies credits do not receive duplicate credit in major.
 - (2) If a course is chosen for a Social Sciences minor, it may also fulfill a Liberal Studies elective and permit additional free electives.

College: **32**

3 additional cr of MATH 100 level or above (in addition to LS MATH) (1) **3cr**

Pre-Professional Sequence:

COMM 103	Digital Instructional Technology	3cr
EDSP 102	Educational Psychology	3cr

Professional Education Sequence:

EDEX 301	Education of Students with Disabilities in Inclusive Secondary Programs	2cr
EDSP 477	Assessment of Student Learning Design and Interpretation of Educational Measures	3cr
EDUC 242	Pre-student Teaching Clinical Exp I	1cr
EDUC 342	Pre-student Teaching Clinical Exp II	1cr
EDUC 441	Student Teaching	12cr
EDUC 442	School Law	1cr
EDUC 455	Teaching of Social Studies in Secondary Schools	3cr

Major: **21**

Required courses:

ANTH 211	Cultural Anthropology	*cr(2)
ANTH 222	Biological Anthropology	3cr
ANTH 233	Language and Culture	3cr
ANTH 244	Basic Archaeology	3cr
Two area ethnography courses:		
ANTH 271, 272, 273, or 314		6cr
Two additional Anthropology courses numbered 300 or above		
		6cr

History Distributional Requirements: **9**

HIST 202 Western Civilization since 1600	3cr
HIST 204 U.S. History to 1877	3cr
HIST 205 U.S. History since 1877	3cr

Social Science Distribution Requirements: **9**

GEOG 230 Cultural Geography	3cr
PLSC 280 or 285 Comparative Government I: Western Political Systems or Comparative Government II: Non-Western Systems	3cr
SOC 151 or 231 Principles of Sociology or Contemporary Social Problems	3cr

Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements: **120**

- (*) See requirements leading to teacher certification, titled "Admission to Teacher Education," in the College of Education and Educational Technology section of this catalog.
- (1) Students are required to take an additional 3cr of MATH beyond the Liberal Studies requirements for a total of 6cr, all of which must be 100 level or above.
 - (2) Courses counted toward Liberal Studies credits do not receive duplicate credits in the major.

Rationale: Humanities History (HIST 202) is moving to the major from Liberal Studies, the natural science options are being specified, Liberal Studies is going from 9cr to 6cr with a change in the courses specified. GEOG 230 is moving from the electives to the major and SOC 362 or 363 are being specified instead of ECON 122 or GEOG 230. 3 additional credits of math is being added under college requirements. The pre-certification courses are being specified and FDED 102 is being removed. ANTH 213 is being added to the

required Anthropology courses and students will now take only one instead of two of ANTH 233 and 244. HIST 204 and 205 are being specified. Removing Non-Western History course and Non-western Geography course. Adding SOC 151 or 231 to the Social Science distribution requirements.

4. College of Fine Arts—Program Revision (120)

PASSED

BA—Interdisciplinary Fine Arts

Current Program:		Proposed Program:	
Liberal Studies:	53-55	Liberal Studies:	54
Liberal Studies Electives: no courses with FIAR prefix		Mathematics: 3cr	
		Liberal Studies Electives: 9cr, no courses with FIAR prefix	
Major:	36	Major:	36
Other Requirements:	0	Other Requirements:	0
Free Electives:	33-35	Free Electives: enough credits beyond those listed above to total 120 credits.	
Total Degree Requirements:	124	Total Degree Requirements:	120

Rationale: Free Electives will be reduced by 4cr, which will make Free Electives 30.

5. Department of Geoscience--Program Revisions (120)

PASSED

Current Program:		Proposed Program:	
BS in Education-- Earth and Space Science (*)		BS in Education— Earth and Space Science (*)	
Liberal Studies: As outlined in the Liberal Studies section with the following specifications:	55-56	Liberal Studies: As outlined in the Liberal Studies section with the following specifications:	52
Mathematics: MATH 121		Mathematics: MATH 121	
Natural Sciences: CHEM 111-112		Natural Sciences: CHEM 111-112	
Social Science: PSYC 101		Social Science: PSYC 101	
Liberal Studies Electives: BTED/COSC/IFMG 101, PHYS 111, no courses with GEOS prefix		Liberal Studies Electives: 6cr, MATH 217, PHYS 111, no courses with GEOS prefix	
College of Education:	30	College of Education:	29
Professional Education Sequence: (1)		Professional Education Sequence:	
COMM 103 Digital Instructional Technology	3sh	COMM 103 Digital Instructional Technology	3cr
EDSP 102 Educational Psychology	3sh	EDEX 301 Education of Students with Disabilities in Inclusive Secondary Settings	2cr
EDSP 477 Assessment of Student Learning: Design and Interpretation of Educational Measures	3sh	EDSP 102 Educational Psychology	3cr
EDUC 242 Pre-Student Teaching Clinical Experience I	1sh	EDSP 477 Assessment of Student Learning: Design and Interpretation of Educational Measures	3cr
EDUC 342 Pre-Student Teaching Clinical Experience II	1sh	EDUC 242 Pre-Student Teaching Clinical Experience I	1cr
EDUC 441 Student Teaching	12sh	EDUC 342 Pre-Student Teaching Clinical Experience II	1cr
EDUC 442 School Law	1sh	EDUC 441 Student Teaching	12cr
EDUC 451 Teaching Science in the Secondary Schools	3sh	EDUC 442 School Law	1cr
FDED 102 American Ed in Theory and Practice	3sh	EDUC 451 Teaching Science in the Secondary Schools	3cr
Major: (1)	39	Major: (1)	39
Required Courses:		Required Courses:	
BIOL 103 General Biology I	4sh	BIOL 103 General Biology I	4cr
GEOS 121 Physical Geology	3sh	GEOS 121 Physical Geology	3cr
GEOS 122 Physical Geology Laboratory	1sh	GEOS 122 Physical Geology Laboratory	1cr
GEOS 131 Historical Geology	3sh	GEOS 131 Historical Geology	3cr
GEOS 132 Historical Geology Laboratory	1sh	GEOS 132 Historical Geology Laboratory	1cr
GEOS 341 Solar System	3sh	GEOS 341 Solar System	3cr
GEOS 342 Stellar Astronomy	3sh	GEOS 342 Stellar Astronomy	3cr
GEOS 350 Operation of the Planetarium	1sh	GEOS 350 Operation of the Planetarium	1cr
GEOS 361 Physical Oceanography	3sh	GEOS 361 Physical Oceanography	3cr
GEOS 371 Meteorology I	3sh	GEOS 371 Meteorology I	3cr
PHYS 112 Physics II Lecture	3sh	PHYS 112 Physics II Lecture	3cr

PHYS 121 Physics I Lab 1sh
 PHYS 122 Physics II Lab 1sh

PHYS 121 Physics I Lab 1cr
 PHYS 122 Physics II Lab 1cr

Controlled Electives: 9sh
 Geology electives
 (not GEOS 101, 103, 105, 111, 113, 141)

Controlled Electives: (2) 9cr
 Geology electives
 (not GEOS 101, 103, 105, 111, 113, 141)

Other Requirements: 0

Free Electives: 0

Total Degree Requirements: 124-125

Total Degree Requirements: 120

(*) See requirements leading to teaching certification, titled "Admission to Teacher Education," in the College of Education and Educational Technology section of this catalog.

(*) See requirements leading to teaching certification, titled "Admission to Teacher Education," in the College of Education and Educational Technology section of this catalog.

(1) Special Education Competency Requirement: Revision pending will eliminate exam option and will require EDEX 301 (2sh).

Rationale: BTED/COSC/IFMG 101 is being deleted because the education students arriving at IUP today have a much better background in the use of the computer than students ten years ago when the requirement was added. Additionally, education students receive in-depth computer instruction in COMM 103, which is required during their first three semesters on campus. Students begin to develop their professional portfolio and study the use of the computer as a tool in the classroom. The State of Pennsylvania recently added more required mathematics credits for all education majors so MATH 217 has been added because of the high use of the concepts covered in this course in science. Recently FDED 102 was deleted from the Professional Education core by action of the University Senate. EDEX 301 has been a certification requirement for more than five years but had not been added to this curriculum because of the already high number of credits needed for graduation; it is being added now. Free electives will remain at zero.

Current Program:

Proposed Program:

BS in Education—General Science Education (*)

BS in Education—General Science Education (*)

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: 55-56

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: 52

Mathematics: MATH 121(1)

Mathematics: MATH 121(1)

Natural Sciences: CHEM 111-112

Natural Sciences: CHEM 111-112

Social Science: PSYC 101

Social Science: PSYC 101

Liberal Studies Electives: BTED/COSC/IFMG 101, PHYS 111, no courses with prefix of chosen track in major

Liberal Studies Electives: 6cr, MATH 217, PHYS 111, no courses with prefix of chosen track in major

39-40

College of Education: 29

College of Education:

Professional Education Sequence:

Professional Education Sequence: (1)
 COMM 103 Digital Instructional Technology 3sh
 EDSP 102 Educational Psychology 3sh
 EDSP 477 Assessment of Student Learning: Design and Interpretation of Educational Measures 3sh
 EDUC 242 Pre-Student Teaching Clinical Experience I 1sh
 EDUC 342 Pre-Student Teaching Clinical Experience II 12sh
 EDUC 441 Student Teaching 1sh
 EDUC 442 School Law 3sh
 EDUC 451 Teaching Science in the Secondary Schools 3sh
 FDED 102 American Ed in Theory and Practice

COMM 103 Digital Instructional Technology 3cr
 EDEX 301 Education of Students with Disabilities in Inclusive Secondary Settings 2cr
 EDSP 102 Educational Psychology 3cr
 EDSP 477 Assessment of Student Learning: Design and Interpretation of Educational Measures 3cr
 EDUC 242 Pre-Student Teaching Clinical Experience I 1cr
 EDUC 342 Pre-Student Teaching Clinical Experience II 1cr
 EDUC 441 Student Teaching 12cr
 EDUC 442 School Law 1cr
 EDUC 451 Teaching Science in the Secondary Schools 3cr

Major: (1) 39
Required Courses:

Major: 36-38
Required Courses:

BIOL 103 General Biology I 4sh
 GEOS 121 Physical Geology 3sh
 GEOS 122 Physical Geology Laboratory 1sh
 GEOS 131 Historical Geology 3sh
 GEOS 132 Historical Geology Laboratory 1sh
 GEOS 341 Solar System 3sh

BIOL 103 General Biology I 4cr
 GEOS 121 Physical Geology 3cr
 GEOS 122 Physical Geology Laboratory 1cr
 GEOS 131 Historical Geology 3cr
 GEOS 132 Historical Geology Laboratory 1cr
 GEOS 341 Solar System 3cr

GEOS 342	Stellar Astronomy	3sh
GEOS 350	Operation of the Planetarium	1sh
GEOS 361	Physical Oceanography	3sh
GEOS 371	Meteorology I	3sh
PHYS 112	Physics II Lecture	3sh
PHYS 121	Physics I Lab	1sh
PHYS 122	Physics II Lab	1sh

GEOS 342	Stellar Astronomy	3cr
GEOS 350	Operation of the Planetarium	1cr
GEOS 361	Physical Oceanography	3cr
GEOS 371	Meteorology I	3cr
PHYS 112	Physics II Lecture	3cr
PHYS 121	Physics I Lab	1cr
PHYS 122	Physics II Lab	1cr

Controlled Electives: 15-16sh
 Biology track: BIOL 210, 220, 250, 272, 480, BIOL elective
 Chemistry track: CHEM 231, 321, 351, 232, or 340 or 341
 Geoscience track: GEOS 121, 123, 131, 341, or 342, 361, 371
 Physics track: PHYS 222, 231, 242, 331, 350 (2)

Controlled Electives: 15-17cr
 Biology track: BIOL 210, 220, 250, 272, 480, BIOL elective
 Chemistry track: CHEM 231, 321, 351, 232, or 340 or 341
 Geoscience track: GEOS 121, 123, 131, 341, or 342, 361, 371
 Physics track: PHYS 222, 231, 242, 331, 350 (1)

Other Requirements: 0

Free Electives: enough credits beyond those listed above to total 120 credits. 0

Free Electives: 0

(#)Total Degree Requirements: 124-125

(#)Total Degree Requirements: 120

- (*) See requirements leading to teaching certification, titled "Admission to Teacher Education," in the College of Education and Educational Technology section of this catalog.
- (1) Special Education Competency Requirement: Revision pending will eliminate exam option and will require EDEX 301 (2sh).
- (2) Note: If Physics track is elected, MATH 123 and 124 are required.
- (#) See advisory paragraph "Timely Completion of Degree Requirements" in the section on Requirements for Graduation.

- (*) See requirements leading to teaching certification, titled "Admission to Teacher Education," in the College of Education and Educational Technology section of this catalog.
- (1) Note: If Physics track is elected, MATH 123 and 124 are required in place of MATH 121 resulting in additional total credits.
- (#) See advisory paragraph "Timely Completion of Degree Requirements" in the section on Requirements for Graduation.

Rationale: This program has all the changes mentioned under Earth and Space Science for the same reasons, plus PHYS 111 is being moved from the list of major courses to Liberal Studies Electives. This aligns LS electives with the requirements for other science education majors, which is important because this major is often a second major for science education students. Free Electives will be 1-3.

6. Department of Physics—New Course and Program Revisions (120)

PASSED

A. New Course

PHYS 105 The Physics of Light and Sound

3c-01-3cr

The study of light and sound as applied in the production of objects of art and the production of music. Includes the study of vision, light in nature, photography and artistic media; the study of hearing, musical sound, musical instruments, and room acoustics.

Rationale: This course is designed to be a liberal studies natural science non-laboratory elective required by the College of Fine Arts. It utilizes those aspects of physics and their basic application to music and the visual arts; the material is not taught in any existing physics course.

B. Program Revision

Current Program:

Proposed Program:

BS in Education—Physics (*)

BS in Education— Physics (*)

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

56-57

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

55

Mathematics: MATH 123
Natural Sciences: CHEM 111-112
Social Science: PSYC 101
Liberal Studies Electives: MATH 241; BIOL 103; GEOS 110 or 121, or 141, or 221; no courses with PHYS prefix

Mathematics: MATH 123
Natural Sciences: CHEM 111-112
Social Science: PSYC 101
Liberal Studies Electives: MATH 241, BIOL 103 or BIOL 114 or BIOL 115 (9cr), GEOS 111 or 113 (9cr)

College: **30**

Professional Education Sequence (1):

COMM 103	Digital Instructional Technology	3sh
EDUC 242	Pre-student Teaching Clinical Exp I	1sh
EDUC 342	Pre-student Teaching Clinical Exp II	1sh
EDUC 441	Student Teaching	12sh
EDUC 442	School Law	1sh
EDUC 451	Teaching Science in the Secondary School	3sh
EDSP 102	Educational Psychology	3sh
ESDP 477	Assessment of Student Learning: Design and Interpretation of Educational Measures	3sh
FDED 102	American Education in Theory and Practice	3sh

College: **29**

Professional Education Sequence:

COMM 103	Digital Instructional Technology	3cr
EDUC 242	Pre-student Teaching Clinical Exp I	1cr
EDUC 342	Pre-student Teaching Clinical Exp II	1cr
EDUC 441	Student Teaching	12cr
EDUC 442	School Law	1cr
EDUC 451	Teaching Science in Secondary School	3cr
EDSP 102	Educational Psychology	3cr
EDSP 477	Assessment of Student Learning: Design and Interpretation of Educational Measures	3cr
EDEX 301	Education of Students with Disabilities in an Inclusive Secondary Setting	2cr

Major: **32**

Required Courses:

PHYS 131	Physics I-C Lecture	3sh
PHYS 132	Physics II-C Lecture	3sh
PHYS 141	Physics I-C Lab	1sh
PHYS 142	Physics II-C Lab	1sh
PHYS 222	Mechanics I	2sh
PHYS 223	Mechanics II	2sh
PHYS 231	Electronics	4sh
PHYS 242	Optics	3sh
PHYS 322	Electricity and Magnetism I	2sh
PHYS 331	Modern Physics	3sh
PHYS 342	Thermal and Statistical Physics	3sh
PHYS 350	Intermediate Experimental Physics I	3sh

Controlled Electives:

Physics Electives	2sh
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Other Requirements:

Additional Math Courses:

Math 124	Calculus II for Physics, Chemistry, and Mathematics	4sh
MATH 342	Advanced Mathematics for Applications	4sh

Free Electives: **0**

Major: **32**

Required Courses:

PHYS 131	Physics I-C Lecture	3cr
PHYS 132	Physics II-C Lecture	3cr
PHYS 141	Physics I-C Lab	1cr
PHYS 142	Physics II-C Lab	1cr
PHYS 222	Mechanics I	2cr
PHYS 223	Mechanics II	2cr
PHYS 231	Electronics	4cr
PHYS 242	Optics	3cr
PHYS 322	Electricity and Magnetism I	2cr
PHYS 331	Modern Physics	3cr
PHYS 342	Thermal and Statistical Physics	3cr
PHYS 350	Intermediate Experimental Physics I	3cr

Controlled Electives:

Physics Electives	2cr
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Other Requirements: **4**

Additional Math Classes:

MATH 124	Calculus II for Physics, Chemistry, and Mathematics	4cr
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Free Electives: enough credits beyond those listed above to total 120 credits.

(#)Total Degree Requirements: 126-127

(*) See requirements leading to teacher certification, titled "Admission to Teacher Education," in the College of Education and Educational Technology section of this catalog.

(1) Special Education Competency Requirement: Revision pending will eliminate exam option and will require EDEX 301 (2sh)

(#) See advisory paragraph "Timely Completion of Degree Requirements" in the section on Requirements for Graduation.

(#)Total Degree Requirements: 120

(*) See requirements leading to teacher certification, titled "Admission to Teacher Education," in the College of Education and Educational Technology section of this catalog.

(#) See advisory paragraph "Timely Completion of Degree Requirements" in the section on Requirements for Graduation.

Rationale: The following courses are being added to the program: EDEX 301, GEOS 111/113, and BIOL 114/115. The following courses are being deleted: FDED 102, MATH 342, GEOS 110, 121, 141, 221. The changes are being made to reduce the total credits, to upgrade the program to meet the certification requirements of PDE, to eliminate course designations no longer offered, and to include coursework specifically designed for education majors that meet the standards of PDE and NCATE.

BS— Applied Physics/Electro-Optics Track

Current Program:
Liberal Studies: 56

Proposed Program:
Liberal Studies: 50

Mathematics: MATH 121
Liberal Studies Electives: MATH 122, no courses with PHYS prefix

Major: 44
Other Requirements: 15-21
Free Electives: 3-9

Total Degree Requirements: 124

(1) Intermediate-level Foreign Language may be included in Liberal Studies Electives and if it is, 6sh will be applied to Liberal Studies Electives and 0sh here.

Mathematics: MATH 121
Liberal Studies Electives: 4cr, MATH 122, no courses with PHYS prefix

Major: 44
Other Requirements: 15-21
Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements: 120

Rationale: Liberal Studies Electives will be reduced by 5cr, which will make Free Electives 5-11. The footnote about Intermediate-level Foreign Language is to be deleted.

7. Department of English

PASSED

A. Course Revision and Number Change

Current Catalog Description:

ENGL 334 ESL Methods and Materials

3c-0l-3sh

Prerequisite: Junior standing or permission of the instructor

An introduction to English as a Second Language theory and practice. Aims: (1) general understanding of current theory and methods of teaching ESL; (2) ability to select appropriate, and adapt existing materials for elementary and high school ESL students. Recommended for all English teachers who expect to have ESL students in their classes.

Proposed Catalog Description:

ENGL 426 ESL Methods and Materials

3c-0l-3cr

Prerequisite: Senior standing or permission of the instructor

An introduction to English as a Second Language theory and practice. Aims: (1) general understanding of current theory and methods of teaching ESL; (2) ability to select appropriate, and adapt existing materials for elementary and high school ESL students.

B. Catalog Description Change:

Current Catalog Description:

Education Program

The English Department offers a program leading to the Bachelor of Science in Education degree in English Education. This program has been accredited by the National Council for Accreditation of Teacher Education (NCATE). Graduates are prepared to teach in middle, junior high, and senior high schools.

English Education majors fulfill all the requirements for state certification, including practical experience in methods courses and student teaching; content preparation in a variety of literature, language, and composition courses; and philosophical background in current theories of teaching. Although most students choosing an English Education major will be fitted both by training and desire for the secondary school classroom, those who opt not to teach will find that their speaking, writing, and management skills can be useful to the media, governmental services, and business.

Program requirements are available at the English Department office. Majors must maintain a minimum cumulative GPA of 2.6 (2001-02), 2.8 (2002-03). and 3.0 (2003 and beyond). They must be formally admitted to the Teacher Certification Program, a process which includes application and screening within the English Department. This screening involves review of the student’s portfolio of written work and faculty evaluations, as well as an interview with English Education faculty. Refer to the section “Admission to Teacher Education and Certification” in the College of Education and Educational Technology section of this catalog and the English Education Handbook.

Proposed Catalog Description:

Education Program

The English Department offers a program leading to the Bachelor of Science in Education degree in English Education. This program has been accredited by the National Council for Accreditation of Teacher Education (NCATE). Graduates are prepared to teach in middle, junior high, and senior high schools.

English Education majors fulfill all the requirements for state certification, including practical experience in methods courses and student teaching; content preparation in a variety of literature, language, and composition courses; and philosophical background in current theories of teaching. Although most students choosing an English Education major will be best prepared for the secondary school classroom, those who opt not to teach will find that their speaking, writing, and management skills may also be useful to the media, governmental services, and business.

Program requirements are available at the English Department office and in the *English Education Handbook*. Majors must maintain a minimum cumulative GPA of 3.0. They must be formally admitted to English Education, a process that includes application and screening within the English Department as well as an application to the Teacher Certification Program in the College of Education. This screening involves review of the student’s portfolio of written work and faculty evaluations as well as an interview with English Education faculty. Refer to the section “Admission to Teacher Education and Certification” in the College of Education and Educational Technology section of this catalog and the *English Education Handbook*.

C. Program Revisions (120)

Current Program:

BS in Education—English Education (*)

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:
Humanities-Literature: ENGL 122
Fine Arts: THTR 101
Social Science: PSYC 101
Liberal Studies Electives: Intermediate-Level Foreign Language, no courses with ENGL prefix

College:	30
Professional Education Sequence: (1)	
COMM 103 Digital Instructional Technology	3sh
EDSP 102 Educational Psychology	3sh
EDSP 477 Assessment of Student Learning: Design and Interpretation of Educational Measures	3sh
EDUC 242 Pre-Student Teaching Clinical Exp I	1sh
EDUC 342 Pre-Student Teaching Clinical Exp II	1sh
EDUC 441 Student Teaching	12sh
EDUC 442 School Law	1sh

Proposed Program:

BS in Education—English Education (*)

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:
Mathematics: 6cr, MATH 101 or higher(1)
Natural Sciences: Option I recommended
Social Science: PSYC 101
Humanities- Literature: ENGL 122
Liberal Studies Electives: 0cr

College:
 Intermediate Foreign Language (2) **6**

College:	29
Professional Education Sequence:	
COMM 103 Digital Instructional Technology	3cr
EDEX 301 Education of Students with Disabilities in Inclusive Secondary Settings	2cr
EDSP 102 Educational Psychology	3cr
EDSP 477 Assessment of Student Learning: Design and Interpretation of Educational Measures	3cr
EDUC 242 Pre-student Teaching Clinical Experience I	1cr
EDUC 342 Pre-student Teaching Clinical Experience II	1cr

EUDC 452	Teaching of English and Communication in the Secondary School	3sh
FDED 102	American Education in Theory and Practice	3sh

Major: 40

Required Courses:

ENGL 212	American Literature Beginnings to 1900	3sh
ENGL 220	Advanced Composition I	3sh
ENGL 314	Speech and Communication in the Secondary English Classroom	3sh
ENGL 318	Literature for Adolescents	3sh
ENGL 323	Teaching Literature and Reading in the Secondary School	3sh
ENGL 324	Teaching and Evaluating Writing	3sh
ENGL 329	The History of the English Language	1sh
ENGL 330	The Structure of English	3sh
ENGL 434	Shakespeare	3sh

Controlled Electives:

Choose one Genre course:	3sh
ENGL 214, 215, 216, 217	
Choose one British Literature Survey:	
ENGL 210, 211	3sh
Choose one Theme course:	
ENGL 344, 348, 386	3sh
Choose two additional courses from list:	
ENGL 208, 210, 211, 213, 214, 215, 216, 217, 221, 319, 320, 322, 333, 336, 337, 334, 348, 386	6sh

Other Requirements: 0

Free Electives: 2-4

(#)Total Degree Requirements: 124

- (*) See requirements leading to teacher certification, titled "Admission to Teacher Education," in the College of Education and Educational Technology section of this catalog.
- (1) Special Education Competency Requirement: Revision pending will eliminate exam option and will require EDEX 301 (2sh)

Current Program:

BA—English Pre-Law

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: **53-55**

Humanities-Literature: ENGL 122

Liberal Studies Electives: no courses with ENGL prefix

College: Intermediate Foreign Language (1) **0-6**

Major: 36

Required courses:

ENGL 210	British Literature to 1660	3sh
ENGL 211	British Literature 1660-1900	3sh
ENGL 212	American Literature Beginning to 1900	3sh
ENGL 213	British and American Literature Since 1900	3sh

Controlled Electives: (2) (3) 24sh
 One course from Category A (Period): ENGL 301, 302, 303, 304, 305, 306, 307, 315, 316, 317, 319

EDUC 441	Student Teaching	12cr
EDUC 442	School Law	1cr
EDUC 452	Teaching of English and Communication in the Secondary School	3cr

Major: 37

Required Courses:

ENGL 212	American Literature: Beginnings to 1900	3cr
ENGL 220	Advanced Composition I	3cr
ENGL 314	Speech and Communications in the Secondary English Classroom	3cr
ENGL 318	Literature for Adolescents	3cr
ENGL 323	Teaching Reading and Literature in the Secondary School	3cr
ENGL 324	Teaching and Evaluating Writing	3cr
ENGL 329	The History of the English Language I	1cr
ENGL 330	The Structure of English	3cr
ENGL 434	Shakespeare	3cr

Controlled Electives:

Choose one Genre course from Category B	3cr
Choose one British Literature Survey:	
ENGL 210, 211	3cr
Choose one Alternative Literature course from Category C	3cr
Choose one general English elective (Any Category)	3cr

(#)Total Degree Requirements: 120

- (*) See requirements leading to teacher certification, titled "Admission to Teacher Education," in the College of Education and Educational Technology section of this catalog.
- (1) The second math course is a teacher certification requirement and counts as LS credits for math.
- (2) If a student is able to exempt this requirement, an additional 6 credits of free electives are necessary. Students with no previous foreign language background, or those who lack proficiency, will need to take the entry level courses, which will increase the total number of credits required for the degree.

Proposed Program:

BA—English Pre-Law

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: **53**

Mathematics: 3cr

Humanities- Literature: ENGL 122

Liberal Studies Electives: 9cr, no courses with ENGL prefix

College: Intermediate Foreign Language (1) **0-6**

Major: 36

Required courses:

ENGL 210	British Literature to 1660	3cr
ENGL 211	British Literature 1660-1900	3cr
ENGL 212	American Literature Beginning to 1900	3cr
ENGL 213	British and American Literature Since 1900	3cr

Controlled Electives: (2) (3) 24cr
 One course from Category A (Period): ENGL 301, 302, 303, 304, 305, 306, 307, 315, 316, 317, 319

One course from Category B (Form and Theory of Genre): ENGL 208, 214, 215, 216, 217, 332, 335, 337, 338

One course from Category C (Alternative Literatures): ENGL 225, 344, 348, 385, 386, 396

One course from Category D (The European Tradition): ENGL 349, 354, 387, 391, 393, 394, 395

One course from Category E (Major Authors): ENGL 430, 432, 434, 436

One course from Category F (Writing, Speech, Linguistics): ENGL 220, 221, 310, 311, 312, 313, 320, 322, 325, 326, 329, 330, 333, 334, 336, 420, 422

Two courses from Category G: Any combination of 6sh from ENGL 281, 356, 357, 390, 401, 460, 461, 462, 481, 482, 493, and/or any other courses listed above under Categories A through F

Other Requirements:

Pre-law Interdisciplinary Track

Seven courses, including at least one from each of six areas:

Business: ACCT 201, ACCT 202, BLAW 235

Criminology: CRIM 210, 260, 357

Economics: ECON 121, 122, 332

History: HIST 320, 321, 346

Philosophy: PHIL 101, 222, 450

Political Science: PLSC 358, 359, 361

Free Electives:

Total Degree Requirements:

- (1) Intermediate-level Foreign Language may be included in Liberal Studies electives.
- (2) Any ENGL 281, 481, or 482 course must have prior approval from department chair if it is to apply to the student's major other than in Category G.
- (3) An internship with a law firm, public agency, or legislative office greatly strengthens law school application.

Rationale: The Global Literature courses and Criminology courses approved at the last Senate meeting are being added to program. Four credits are being removed from Free Electives, which will now be 4-28.

8. Department of Chemistry—New Courses, Course Revisions, and Program Revisions (120) PASSED

A. Two New Courses

CHEM 214 Intermediate Inorganic Chemistry

1c-3l-2cr

Prerequisites: CHEM 112 or 114

Presents the characteristic reactions and compounds of elements from across the periodic table. For the main-group elements, both discrete molecular compounds and non-molecular materials will be discussed. For the alkali, transition and inner-transition metals, the focus will be on non-molecular species such as ionic compounds, ceramics, superconductors and other inorganic-based materials. The solid-state structure of inorganic-based materials will also be presented. Laboratory activities will be used to reinforce concepts presented in lecture, and to stimulate interest through discovery-based exercises.

Rationale: This course is intended for chemistry and chemistry education majors. It will replace and extend the material presented in the current CHEM 1114/116. It is not possible to incorporate all the material in a typical first-year chemistry sequence and the descriptive chemistry of the elements without severely compromising other topics in the course that provide important background for subsequent

One course from Category B (Form and Theory of Genre): ENGL 208, 214, 215, 216, 217, 332, 335, 337, 338

One course from Category C (Alternative Literatures): ENGL 225, 344, 348, 385, 386, 396

One course from Category D (International Literatures): ENGL 349, 354, 387, 391, 393, 394, 395, 397, 398, 399

One course from Category E (Major Western Authors): ENGL 430, 432, 434, 436

One course from Category F (Writing, Speech, Linguistics): ENGL 220, 221, 310, 311, 312, 313, 320, 322, 325, 326, 329, 330, 333, 334, 336, 420, 422

Two courses from Category G: Any combination of 6cr from ENGL 281, 356, 357, 390, 401, 460, 461, 462, 481, 482, 493, and/or any other courses listed above under Categories A through F

Other Requirements:

Pre-law Interdisciplinary Track

Seven courses, including at least one from each of six areas:

Business: ACCT 201, ACCT 202, BLAW 235

Criminology: CRIM 210, 215, 255

Economics: ECON 121, 122, 332

History: HIST 320, 321, 346

Philosophy: PHIL 101, 222, 450

Political Science: PLSC 358, 359, 361

Free Electives: enough credits beyond those listed above to total 120 credits. (3)

Total Degree Requirements:

- (1) Intermediate-level Foreign Language may be included in Liberal Studies electives.
- (2) Any ENGL 281, 481, or 482 course must have prior approval from department chair if it is to apply to the student's major other than in Category G.
- (3) An internship with a law firm, public agency, or legislative office greatly strengthens law school application.

courses in the major.

CHEM 499 Problems in Chemistry Education

var. – 1sh

Prerequisite: Chemistry Education major; Permission of chairperson

A course of independent study on selected problems in chemistry education, including library reading, lab work, and conferences with a chemistry education faculty member who is supervising the study.

Rationale: Prior to our program revisions, all chemistry and chemistry education majors took CHEM 498 Problems in Chemistry. Now CHEM 498 has been revised so that it better meets the needs of the chemistry majors, but no longer meets the needs of the chemistry education majors. For example, the focus of CHEM 498 is to prepare the students to be chemists. CHEM 499 is preparing chemistry education majors to be chemistry teachers.

B. Course Changes

1) Course Revision, Title and Catalog Description Change

Current Catalog Description:

CHEM 113 Concepts in Chemistry

3c-3l-4sh

An introductory course for chemistry majors. Topics covered include atomic theory, an introduction to chemical reactions, stoichiometry, thermochemistry, chemical bonding, molecular geometry, kinetic-molecular theory of gases, the liquid and the solid states, and solution theory.

Proposed Catalog Description:

CHEM 113 Concepts in Chemistry I

3c-3l-4cr

Introductory course for chemistry majors. This course is the first half of a two-semester sequence designed to give students the foundation of knowledge and laboratory techniques required to successfully complete a chemistry degree program. Topics include atomic theory, an introduction to chemical reactions, stoichiometry, thermochemistry, chemical bonding, and molecular geometry, transition metal complexes, polymers and biomolecules.

2) Course Revision, Title and Catalog Description Change

Current Catalog Description:

CHEM 114 Basic Inorganic Chemistry

3c-3l-4sh

Prerequisite: CHEM 113

Topics include chemical kinetics, equilibrium and thermodynamics, acids and bases, electrochemistry, coordination chemistry, and descriptive chemistry of selected elements.

Proposed Catalog Description:

CHEM 114 Concepts in Chemistry II

3c-3l-4sh

Prerequisites: CHEM 111 or 113

Introductory course for chemistry majors. This course is the second half of a two-semester sequence designed to give students the foundation of knowledge and laboratory techniques required to successfully complete a chemistry degree program. Topics include kinetic-molecular theory of gases, the liquid and the solid states, solution theory, kinetics, equilibrium, thermodynamics, acids and bases, and electrochemistry.

3) Course Revision, Title and Catalog Description Change**Current Catalog Description:****CHEM 301 Chemistry Seminar****1c-0l-1sh**

A discussion of current technical literature and current research problems of staff. Lectures by outside chemists and student presentations. Open to junior or senior chemistry majors and to others by permission of the chairperson.

Proposed Catalog Description:**CHEM 301 Introduction to Chemical Research****1c-0l-1cr**

A discussion of current technical literature and current research problems of faculty. Lectures by outside chemists and student presentations will be included. Open to junior or senior chemistry majors and to others by permission of the chairperson.

Rationale: The new title reflects the current emphasis of the course. Undergraduate research will better prepare our students as chemists. The suggested start in the junior year will make them more competitive for summer research fellowships at national laboratories, research intensive universities and in industry. Ethics has been added to the course because it is appropriate for students to consider ethics as they begin their undergraduate research experience. Such a component is strongly encouraged by the ACS.

4) Course Revision and Catalog Description Change**Current Catalog Description:****CHEM 411 Advanced Inorganic Chemistry****3c-0l-3sh****Prerequisite:** CHEM 341

Gives understanding of advanced theories of atomic structure, chemical bonding, acids and bases, coordination compounds, and selected topics.

Proposed Catalog Description:**CHEM 411 Advanced Inorganic Chemistry****3c-0l-3cr****Prerequisite:** CHEM 341

Study of advanced principles of inorganic chemistry including atomic structure, symmetry, advanced bonding theories, acids and bases, coordination chemistry, and organometallic chemistry.

5) Course Revision and Catalog Description Change**Current Catalog Description:****CHEM 498 Problems in Chemistry****var-1-2sh****Prerequisite:** Permission of chairperson

A course of independent study on selected problems, including lab work, library reading, and conferences with staff member. A minimum of 4 hours per week required per credit.

Proposed Catalog Description:

CHEM 498 Problems in Chemistry**var-1-2cr****Prerequisites:** CHEM 231 and permission of chairperson

A course of supervised undergraduate research, in conjunction with a faculty member in the chemistry department.

Rationale: The prerequisites are changed from "Permission of Chairperson" to also include CHEM 231 so that the students have the appropriate background knowledge to conduct the level of chemical research expected in this course. The additional requirements will give the students more experience in expressing themselves scientifically, both in writing and in an oral presentation. Skills in scientific presentation are important in both graduate school and industry.

C. Catalog Description Change:**Current Catalog Description:**

Degrees offered by the Department of Chemistry are the Bachelor of Science in Chemistry, the Bachelor of Arts in Chemistry, and the Bachelor of Science in Education with a Chemistry major. The first two degrees are under the College of Natural Science and Mathematics, and the third is under the College of Education and Educational Technology. The department also offers a Chemistry minor.

The B.S. in Chemistry is a professional degree and is certified by the American Chemical Society. The student completing this major should be qualified to assume a position in industry or government as a chemist, or to apply for admission to graduate school to pursue advanced studies leading to the M.S. or Ph.D. degree. The student considering going to a professional school who also wishes to complete this degree should elect appropriate courses as required by the professional school in addition to the courses required here. Those students who are particularly interested in biochemistry should elect a few selected biology courses.

The curriculum leading to the B.A. in Chemistry is designed to allow for the workable union of nonscience areas with chemistry in such a way as to retain the fundamental science and mathematics requirements needed for a career in chemistry. A careful selection of electives will qualify the student for entrance into many fields in which there is an acute need for educated people and, at the same time, satisfy the entrance requirements of various professional and graduate schools.

Some possible and useful combinations between chemistry and other disciplines would include chemistry-biology, chemistry-business administration, chemistry-computer science, chemistry-criminology, chemistry-government, chemistry-pre-dental, chemistry-pre-law, chemistry-safety science, chemistry-pre-medicine, and chemistry-English (technical writing). The student must arrange a practical sequence of non-chemistry courses in consort with his/her advisor and the department chairperson concerned. A student seeking a career in forensic science should major in chemistry. The department also offers pre-medical programs in both the B.S. and B.A. curricula. These programs prepare the student to satisfy the entrance requirements of medical schools.

The curriculum leading to the B.S. in Education with a Chemistry major is designed to prepare the student to teach chemistry at the secondary school level. Upon completion of the specified coursework and the requirements for teacher certification processes, the student is eligible for Pennsylvania certification by the Pennsylvania Department of Education.

Proposed Catalog Description:

Degrees offered by the Department of Chemistry are the Bachelor of Science in Chemistry, the Bachelor of Arts in Chemistry, and the Bachelor of Science in Education with a Chemistry major. The first two degrees are under the College of Natural Science and Mathematics, and the third is under the College of Education and

Educational Technology. The department offers a formal pre-medical concentration in the B.A. curriculum, and a Chemistry minor.

The B.S. in Chemistry is a professional degree and is certified by the American Chemical Society. The student completing this major should be qualified to assume a position in industry or government as a chemist, or to pursue graduate studies leading to the M.S. or Ph.D. degree in chemistry, biochemistry, materials science, forensic science, or an associated field.

The curriculum leading to the B.A. in Chemistry is designed to allow for the workable union of other disciplines with chemistry in such a way as to retain the fundamental science and mathematics requirements needed for a career in chemistry. A careful selection of electives will qualify the student for entrance into many fields in which there is an acute need for persons with scientific training, and, at the same time, satisfy the entrance requirements of various professional and graduate schools. This degree may also be of interest to students who have completed a significant number of semester hours in another degree program, and decide they want to earn a degree in chemistry.

The B.A. in Chemistry can incorporate a complementary program in almost any other field in the university; some disciplines which make useful combinations include biology, business administration, computer science, criminology (forensic science), English (technical writing), geoscience, government, physics and safety science. In particular, a student seeking a career in forensic science should major in chemistry.

The B.A. degree program offers a concentration in Pre-Medicine. This concentration includes all courses required for entrance into medical school, and is sequenced to prepare students to take the MCAT in the spring of their junior year. A degree in chemistry, with Pre-Medical concentration, gives students the flexibility of choosing medical school, graduate school or employment in the chemical industry after graduation.

Both degrees in chemistry also provide excellent preparation for entrance into a variety of other professional schools, including dental, veterinary, pharmacy, chiropractic, and law. The student considering going to one of these professional schools after completion of a chemistry degree should work closely with their advisor and select additional courses as required by the professional school.

The curriculum leading to the B.S. in Education with a Chemistry major is designed to prepare the student to teach chemistry at the secondary school level. Upon completion of the specified coursework and the requirements of the teacher certification process, the student is eligible for Pennsylvania certification by the Pennsylvania Department of Education. Additionally, the curriculum in this degree program is designed so that students have the opportunity to obtain a B.S. in Education - Chemistry degree certified by the American Chemical Society.

D. Program Revisions

Current Program:

BA-- Chemistry

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 121 or 123

Natural Science: PHYS 111-121 and 112-122 or PHYS 131-141 and 132-142

Liberal Studies Electives: MATH 122 or 124, no courses with CHEM prefix

Major:

Required Courses:

CHEM 113 Concepts in Chemistry

CHEM 114 Basic Inorganic Chemistry

56-57

29

4sh

4sh

Proposed Program:

BA—Chemistry

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 123

Natural Science: PHYS 111-121 and 112-122 or PHYS 131-141 and 132-142

Liberal Studies Electives: 3cr, no courses with CHEM prefix

Major:

Required Courses:

CHEM 113 Concepts in Chemistry I (1)

CHEM 114 Concepts in Chemistry II (1)

49

30-33

4cr

4cr

CHEM 231	Organic Chemistry I	4sh	CHEM 214	Intermediate Inorganic Chemistry	2cr
CHEM 232	Organic Chemistry II	4sh	CHEM 231	Organic Chemistry I	4cr
CHEM 321	Quantitative Analysis	4sh	CHEM 232	Organic Chemistry II	4cr
CHEM 322	Instrumental Analysis	4sh	CHEM 321	Quantitative Analysis	4cr
CHEM 341	Physical Chemistry I	4sh	CHEM 341	Physical Chemistry I	4cr
CHEM 343	Physical Chemistry Laboratory I	1sh	CHEM 343	Physical Chemistry Laboratory I	1cr

Controlled Electives: (2) 3-6cr

At least 3cr from the list: CHEM 301, 322, 342, 351, 410, 411, BIOC 301, 302, 311

Other Requirements:Planned program in complementary field (advisor approval) with 6sh in 300/400-level courses (2)
Foreign Language Intermediate Level (3)**15-21**15sh
(1)
0-6sh**Other Requirements:**

MATH 124 Calculus II for Physics, Chemistry, and Mathematics

19-224cr
15cr

Planned program (with advisor approval) in complementary field of at least 15cr, with at least 6cr of 300/400-level courses (3)

Foreign Language Intermediate Level (4)

0-3cr

Free Electives:**17-24****Free Electives: enough credits beyond those listed above to total 120 credits.****Total Degree Requirements:****124-125**

- (1) Recommended fields: Biology, Business, Computer Science, Criminology, Dietetics, Economics, English, Foreign Language, Geoscience, Mathematics, Safety Science, Physics, Political Science, Psychology.
for American Chemical Society (ACS) certified B.S.
- (2) Chemistry/Pre-Med program requires BIOL 111, 112, 263, 331.
- (3) Intermediate-level Foreign Language may be included in Liberal Studies electives.

Total Degree Requirements:**120**

- (1) CHEM 111 and 112 can be substituted for CHEM 113 and 114, respectively, for the Chemistry B.A. degree.
- (2) Students electing a concentration in Pre-Medicine must take CHEM 351 (4cr) or BIOC 301 and 302 (6cr)
- (3) Students electing a concentration in Pre-Medicine must take BIOL 111, 151, 263, 331 and a 300-level BIOL elective.
- (4) Intermediate-level foreign language may be included as Liberal Studies elective.

Rationale: CHEM 113 and 114 are being revised with the primary change being the reduction of inorganic topics in 113 and 114. These topics are being included in a new course, CHEM 214. Allowing CHEM 111 and 112 to substitute for 113 and 114 will make it easier for students who might start out in another science major to obtain a B.A. degree in chemistry. CHEM 322 is being moved from a required course to a controlled elective because we have decided to include one elective in the major area to provide increased flexibility to the B.A. MATH 124 is being added because we feel that it is important that students have an adequate mathematics background. Liberal Studies Electives are going from 9cr to 3cr and free electives will now be 16-22.

Current Program:**BS-- Chemistry****Liberal Studies:** As outlined in the Liberal Studies section with the following specifications:**Mathematics:** MATH 123**Natural Sciences:** PHYS 131-141 and 132-142**Liberal Studies Electives:** MATH 124, no courses with CHEM prefix**56-57****Proposed Program:****BS--Chemistry****Liberal Studies:** As outlined in the Liberal Studies section with the following specifications:**Mathematics:** MATH 123**Natural Sciences:** PHYS 131-141 and 132-142**Liberal Studies Electives:** 3cr, no courses with CHEM prefix**49****Major:****Required Courses:**

CHEM 113	Concepts in Chemistry	4sh
CHEM 114	Basic Inorganic Chemistry	4sh(1)
CHEM 231	Organic Chemistry I	4sh
CHEM 232	Organic Chemistry II	4sh
CHEM 301	Chemistry Seminar	1sh
CHEM 321	Quantitative Analysis	4sh
CHEM 322	Instrumental Analysis	4sh
CHEM 341	Physical Chemistry I	4sh
CHEM 342	Physical Chemistry II	3sh
CHEM 343	Physical Chemistry Laboratory I	1sh
CHEM 344	Physical Chemistry Laboratory II	1sh
CHEM 410	Advanced Inorganic Chemistry Laboratory	1sh
CHEM 411	Advanced Inorganic Chemistry	3sh

44**Major:****Required Courses:**

CHEM 113	Concepts in Chemistry I (1)	4cr
CHEM 114	Concepts in Chemistry II (1)	4cr
CHEM 214	Intermediate Inorganic Chemistry	2cr
CHEM 231	Organic Chemistry I	4cr
CHEM 232	Organic Chemistry II	4cr
CHEM 301	Introduction to Chemical Research	1cr
CHEM 321	Quantitative Analysis	4cr
CHEM 322	Instrumental Analysis	4cr
CHEM 341	Physical Chemistry I	4cr
CHEM 342	Physical Chemistry II	3cr
CHEM 343	Physical Chemistry Laboratory I	1cr
CHEM 344	Physical Chemistry Laboratory II	1cr
CHEM 410	Advanced Inorganic Chemistry Laboratory	1cr
CHEM 411	Advanced Inorganic Chemistry	3cr

45

CHEM 498 Problems in Chemistry 2cr

Controlled Electives:

Additional Chemistry electives from the following: 6sh(2)
CHEM 331, 335, 351, 376, 412, 421, 441, 498

Controlled Electives: (2)

Additional Chemistry electives from the following: 3cr
CHEM 331, 421, 435, 441, 481

Other Requirements:

Additional math: COSC 110 and one additional course 7-14
from the following: MATH 171, 227, 241, 342 7-8sh
Pre-Med program (3)
Foreign Language Intermediate Level (4) 0-6sh

Other Requirements:

BIOL 111 Principles of Biology I 14-18 4cr
BIOC 301 Biochemistry I 3cr
MATH 124 Calculus II for Physics, Chemistry, and 4cr
Mathematics 3-4cr
One additional Mathematics elective from the list: 3-4cr
MATH 171, 241, 342
Foreign Language Intermediate Level (3) 0-3cr

Free Electives: (5)

9-17

Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements:

124

- (1) Those who took CHEM 111 and 112 should take CHEM 116 for American Chemical Society (ACS) certified B.S.
- (2) CHEM 498 (2sh) required for ACS certification.
- (3) Chemistry/Pre-Med program requires BIOL 111, 112, 263, 331, 352, and CHEM 351.
- (4) Intermediate-level Foreign Language may be included in Liberal Studies electives.
- (5) Pre-Med sequence requires Biology sequence 18sh.

Total Degree Requirements:

120

- (1) CHEM 111 and 112 can be substituted for CHEM 113 and 114, respectively, for the Chemistry B.S. degree.
- (2) Qualifying students can also use 500 or 600 level CHEM courses to meet this requirement.
- (3) Intermediate-level foreign language may be included as Liberal Studies elective.

Rationale: CHEM 113 and 114 are being revised with the primary change being the reduction of inorganic topics in 113 and 114. These topics are being included in a new course, CHEM 214. Allowing CHEM 111 and 112 to substitute for 113 and 114 will make it easier for students who might start out in another science major to obtain a B.S. degree in chemistry. MATH 124 is being added because we feel that it is important that students have an adequate mathematics background. BIOL 111 and BIOC 301 Biochemistry I have been added and COSC 110 and the Pre Med concentration are being removed. To help make room for BIOL 111, COSC 110 is being removed. Computer applications are now included in almost all departmental courses. We have added BIOC 301 to increase the rigor of the program and satisfy ACS requirements. The Pre Med Concentration is going to be developed into a separate minor next year because with the other changes in the degree the total credits in this concentration would have exceeded 120. Foreign language credits are being reduced from 0-6 to 0-3. Liberal Studies Electives are going from 9cr to 3cr and free electives will now be 8-12.

Current Program:

BS in Education—Chemistry (*)

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: **56-57**

Mathematics: MATH 123

Natural Sciences: PHYS 111-121 and 112-122

Social Science: PSYC 101

Liberal Studies Electives: GEOS 111 or 113, MATH 124, no courses with CHEM prefix

College:

32

Professional Education Sequence:

COMM 103 Digital Instructional Technology 3sh
EDUC 242 Pre-student Teaching Clinical Experience I 1sh
EDUC 342 Pre-student Teaching Clinical Experience II 1sh
EDUC 441 Student Teaching 12sh
EDUC 442 School Law 1sh
EDUC 451 Teaching Science in the Secondary School 3sh
EDSP 102 Educational Psychology 3sh
EDSP 477 Assessment of Student Learning: Design and Interpretation of Educational Measures 3sh
EDEX 301 Education of Students with Disabilities in an Inclusive Secondary Setting 2sh
FDED 102 American Education in Theory and Practice 3sh

Proposed Program:

BS in Education—Chemistry (*)

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: **50**

Mathematics: MATH 123, 124

Natural Sciences: PHYS 111-121 and 112-122

Social Science: PSYC 101

Liberal Studies Electives: 0cr

College:

29

Professional Education Sequence:

COMM 103 Digital Instructional Technology 3cr
EDSP 102 Educational Psychology 3cr
EDSP 477 Assessment of Student Learning: Design and Interpretation of Educational Measures 3cr
EDEX 301 Education of Students with Disabilities in an Inclusive Secondary Setting 2cr
EDUC 242 Pre-student Teaching Clinical Experience I 1cr
EDUC 342 Pre-student Teaching Clinical Experience II 1cr
EDUC 441 Student Teaching 12cr
EDUC 442 School Law 1cr
EDUC 451 Teaching Science in the Secondary School 3cr

Major:**Required Courses:**

CHEM 113 Concepts in Chemistry	4sh
CHEM 114 Basic Inorganic Chemistry	4sh
CHEM 231 Organic Chemistry I	4sh
CHEM 232 Organic Chemistry II	4sh
CHEM 321 Quantitative Analysis	4sh
CHEM 322 Instrumental Analysis	4sh
CHEM 341 Physical Chemistry I	4sh
CHEM 343 Physical Chemistry Laboratory I	1sh
CHEM 498 Problems in Chemistry	1-2sh

Free Electives:**(#)Total Degree Requirements:**

(*) See requirements leading to teacher certification, titled "Admission to Teacher Education," in the College of Education and Educational Technology section of this catalog.

(#) See advisory paragraph "Timely Completion of Degree Requirements" in the section on Requirements" for Graduation.

Major:**Required Courses:**

CHEM 113 Concepts in Chemistry I (1)	4cr
CHEM 114 Concepts in Chemistry II (1)	4cr
CHEM 214 Intermediate Inorganic Chemistry	2cr
CHEM 231 Organic Chemistry I	4cr
CHEM 232 Organic Chemistry II	4cr
CHEM 321 Quantitative Analysis	4cr
CHEM 341 Physical Chemistry I	4cr
CHEM 343 Physical Chemistry Laboratory I	1cr
CHEM 499 Problems in Chemistry Education	1cr

Free Electives:**Total Degree Requirements: (3)**

(*) See requirements leading to teacher certification, titled "Admission to Teacher Education," in the College of Education and Educational Technology section of this catalog.

(1) CHEM 111 and 112 can be substituted for CHEM 113 and 114 respectively for the B.S. in Education – Chemistry degree.

(2) A minimum of 6sh of controlled electives, including either CHEM 351 or BIOC 301, is required for the ACS certified degree in Chemistry Education.

(3) See advisory paragraph "Timely Completion of Degree Requirements" in the section on Requirements for Graduation.

Rationale: Overall, the changes are made to the B.S. in Education – Chemistry degree program for the following reasons: (a) to reduce the total degree requirements from 124-127sh to 120sh, (b) to upgrade the program, (c) to allow graduates to obtain an American Chemical Society (ACS) certified B.S. in Education – Chemistry degree, and (d) to be in keeping with the changes made to the B.S. in Chemistry degree to upgrade the program, meet the certification requirements of the American Chemical Society, and reduce the total degree requirements to 120sh. Two new courses have been added CHEM 214 and CHEM 499. Plus four existing courses: BIOC 301, BIOC 311, CHEM 344, CHEM 410. Deletions to the program include FDED 102, CHEM 498, and 9cr of Liberal Studies electives. There will be one free elective.

E. Minor Revision**Current Program:****Minor—Chemistry****20****Required Courses:**

CHEM 111 General Chemistry I	4sh
CHEM 112 General Chemistry II	4sh
CHEM 231 Organic Chemistry I	4sh
CHEM 232 Organic Chemistry II	4sh
One chemistry elective from the following: CHEM 321, 323, 351	4sh

Proposed Program:**Minor— Chemistry****20****Required Courses:**

CHEM 111 or 113 General Chemistry I or Concepts in Chemistry I	4cr
CHEM 112 or CHEM 114 General Chemistry II or Concepts in Chemistry II	4cr
CHEM 231 Organic Chemistry I	4cr
CHEM 232 Organic Chemistry II	4cr
At least 4 additional semester hours from the list: CHEM 321, 323, 341, 351	4cr

9. School of Continuing Education—Program Revision**PASSED****AA— General Studies****Current Program:****Liberal Studies:** As outlined in the Liberal Studies **50-53****Proposed Program:****Liberal Studies:** As outlined in the Liberal Studies **50**

section with the following specifications:

Fine Arts	3sh
Health and Wellness/ROTC	3-4sh
Humanities	9sh
Learning Skills	10-11sh
Natural Science	7-8sh
Social Science	9sh
Controlled Liberal Studies Electives	9sh

Free Electives: **9-12**

Total Degree Requirements: **62**

section with the following specifications:

Fine Arts	3cr
Health and Wellness/ROTC	3cr
Humanities	9cr
Learning Skills	10cr
Natural Science	7cr
Social Science	9cr
Liberal Studies Electives	9cr

Free Electives: enough credits beyond those listed above to total 60 credits.

Total Degree Requirements: **60**

Rationale: Free Electives are being reduced by 2, which will make Free Electives 10.

Current Program:

BS in Education—Vocational-Technical Education

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: **53-55**

Social Science: PSYC 101

Liberal Studies Electives: no courses with VOED prefix

College: **6**

Professional Education Sequence:

EDSP 102	Educational Psychology	3sh
FDED 102	American Education in Theory and Practice	3sh

Major: **30**

Required Courses:

VOED 100	Preparation of the Vocational Professional I	15sh
VOED 400	Preparation of the Vocational Professional II	15sh

Other Requirements: **27**

Vocational Technical:

ENGL 310	Public Speaking	3sh
VOED 401	Special Topics in Vocational Preparation	3-12sh
VOED 402	Special Topics in Vocational Pedagogical Preparation	3-15sh
VOED 450	Technical Preparation of the Vocational Professional	24sh
	Other as approved	

Free Electives: **6-8**

Total Degree Requirements: **124**

Proposed Program:

BS in Education—Vocational-Technical Education

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: **51**

Mathematics: 3cr

Social Science: PSYC 101

Liberal Studies Electives: 6cr, no courses with VOED prefix

College: **6**

Professional Education Sequence:

COMM 103	Digital Instructional Technology	or	
FDED 102	American Education in Theory and Practice		3cr
EDSP 102	Educational Psychology		3cr

Major: **30**

Required Courses:

VOED 100	Preparation of the Vocational Professional I	15cr
VOED 400	Preparation of the Vocational Professional II	15cr

Other Requirements: **27**

Vocational Technical:

ENGL 310	Public Speaking	3sh
VOED 450	Technical Preparation of the Vocational Professional	24sh

Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements: **120**

Rationale: Liberal Studies electives are being reduced by 3cr and free electives by one, which will make free electives 6 credits.

10. Department of Communications Media—Course Revision

PASSED

Current Catalog Description:

COMM 330 Instructional Design for Training and Development

3c–0l-3sh

Prerequisite: COMM 101, 240, ENGL 101 and 202 (Grade of C or better) or permission of instructor

Examines the systems approach for the design, development, and evaluation of instructional material. Students will learn about the history of instructional design and development and the current status of the field. Each student will produce a self-instructional prototype that will require the student to systematically and creatively apply the concepts and rules learned in the class.

Proposed Catalog Description:

COMM 330 Instructional Design for Training and Development

3c-0l-3cr

Prerequisite: COMM 101, ENGL 101 and 202 (Grade of C or better) or permission of instructor

Examines the systems approach for the design, development, and evaluation of instructional material. Students will learn about the history of instructional design and development and the current status of the field. Each student will produce a self-instructional prototype that will require the student to systematically and creatively apply the concepts and rules learned in the class.

Rationale: COMM 240 Communications Graphics was added as a prerequisite several years ago when we revised our curriculum. At that time most students were unfamiliar with basic graphic options (i.e. inserting pictures) in programs such as MS Word. However students now come to our department with necessary the graphic skills to complete the final project without taking COMM 240.

11. Department of Psychology—Catalog Description and Program Revision

PASSED

A. Catalog Description Change:

Current Catalog Description:

The program in psychology leads to a Bachelor of Arts degree and is designed to give the student an understanding of the methods and major findings in the science of behavior and mental processes. The major offers the background required for graduate work in psychology and also preparation for such related fields as social work, personal work, advertising, medicine, law, and theology. The department also offers a minor in psychology.

An honors program has been developed to enrich the education of qualified psychology majors and assist such students in gaining entrance to graduate school by providing classroom and research experiences which will prepare them for work at the graduate level.

A track in applied psychology offers students a firm background in the science of psychology, preparation for nonclinical applications of psychology to the solution of human and social problems in private and public organizations, and preparation for graduate study in the applied area of psychology. The core for the track is the same as for the psychology major; coursework in applied psychology is provided by enrolling in appropriate psychology electives and a carefully designed concentration of courses outside the department.

All psychology majors are required to take a minor or a concentration in another discipline.

Proposed Catalog Description:

The program in psychology leads to a Bachelor of Arts degree and is designed to give the student an understanding of the methods and major findings in the science of behavior and mental processes. The major offers the background required for graduate work in psychology and also preparation for such related fields as social work, personal work, advertising, medicine, law, and theology. The department also offers a minor in psychology.

A track in applied psychology offers students a firm background in the science of psychology, preparation for nonclinical applications of psychology to the solution of human and social problems in private and public organizations, and preparation for graduate study in the applied area of psychology. The core for the track is the same as for the psychology major; coursework in applied psychology is provided by enrolling in appropriate psychology electives and a carefully designed concentration of courses outside the department

An honors program has been developed to enrich the education of qualified psychology majors and to assist students in gaining entrance to graduate school. The core for the program is the same as for the psychology major; special seminar classes and independent research experiences culminating in an Honors Thesis are required.

All psychology majors are required to take a minor or a concentration in another discipline.

Current Program:

There is no current listing in the catalog.

Proposed Program:

BA—Psychology/Honors Program in Psychology

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

48

Mathematics: MATH 217

Natural Sciences: BIOL 103-104 recommended

Social Science: PSYC 101

Liberal Studies Electives: 3cr, no courses with PSYC prefix

Major:

40-43

Required Courses:

PSYC 290	Research Design and Analysis I	4cr
PSYC 291	Research Design and Analysis II	4cr
PSYC 480	Honors Seminar	6cr(1)
PSYC 483	Honors Thesis	6cr(2)

Controlled Electives:

A minimum of one course from each of the following six core areas: (3)

A. Developmental Psychology:		
	PSYC 310, 311, 312, 315	3-4cr(4)
B. Individual Differences:		
	PSYC 320, 321, 325	3-4cr
C. Social/Environmental:		
	PSYC 330, 331, 335	3-4cr(5)
D. Cognition/Learning:		
	PSYC 341, 342, 345	3-4cr(6)
E. Biological Bases of Behavior:		
	PSYC 350, 352, 355, 356,359	3-4cr(7)
F. Metatheoretical Perspectives in Psychology:		
	PSYC 410, 411	3cr

Other Requirements:

15-21

Foreign Language Intermediate Level

0-6cr(8)

Minor/concentration:

15cr

Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements:

120

- (1) Students will enroll in PSYC 480 for 3cr in each of two semesters.
- (2) Students will enroll in PSYC 483 for 3cr in each of two semesters.
- (3) At least two must be content-based laboratory courses.
- (4) Credit toward the major will be given for only one of PSYC 310, 311, or 315.
- (5) Credit toward the major will be given for only one of PSYC 330 or 335.
- (6) Credit toward the major will be given for only one of PSYC 342 or 345.
- (7) Credit toward the major will be given for only one of PSYC 350 or 356.
- (8) Intermediate-level Foreign Language may be included in Liberal Studies electives.

Rationale: The Psychology Department Honors Program has been serving IUP Psychology majors since 1978. The goals of the Honors Program have been and are: to enrich the education of qualified psychology majors; to assist honors students in gaining entrance to graduate school by providing classroom and research experience which will prepare them for work at the graduate level; to attract highly qualified high school graduates to IUP's psychology program; and to provide a model of academic excellence and dedication which will have a beneficial effect on all psychology majors and the entire psychology program.

After 24 years, five factors suggest a need for formalization and revision: (1) The encouragement of the Provost's office to create stronger, regularized departmental honors programs. To further such regularity, the generic XXXX 483: Honors Thesis will be activated for each department's honors program (e.g., PSYC 483: Honors Thesis) and will take the place of PSYC 482: Independent Study. (2) The encouragement of the President and the Admissions Office for departmental programs which will help recruit excellent students. (3) The establishment of the Robert E. Cook Honors College which has added to the number of excellent Psychology majors in the department. (4) The increasing competitiveness of graduate school admissions, which makes undergraduate research, conference presentations, and publications more necessary. (5) The need for formal diploma recognition of the excellence of students who complete the program.

12. Department of Human Development and Environmental Studies—Course Revision and Program Revisions (120) PASSED

A. Course Revision

Current Catalog Description:

INDS 218 Drafting for Construction II

1c-3l-3cr

Prerequisite: BTED/COSC/IFMG 101 and INDS 118

Introduced basic computer aided drafting and design (CADD) for designers; emphasizes CADD theory and the value of the computer as a problem solving, design tool.

Proposed Catalog Description:

INDS 218 Drafting for Construction II

1c-3l-3cr

Prerequisite: INDS 118

Introduced basic computer aided drafting and design (CADD) for designers; emphasizes CADD theory and the value of the computer as a problem solving, design tool.

Rationale: BTED/COSC/IFMG 101 has been removed as a prerequisite because students entering the Interior Design program now typically have the computer background necessary, plus it reduces the program by 3 credits to comply with the 120 mandate.

B. Program Revisions

Current Program:

BS in Education— Family and Consumer Sciences Education (*)

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Natural Science: CHEM 101-102

Social Science: PSYC 101, SOC 151

Liberal Studies Electives: CNSV 315, no courses with FCSE prefix

College:

Professional Education Sequence:

COMM 103	Digital Instructional Technology	3sh
EDEX 301	Education of Students with Disabilities in Inclusive Secondary Schools	2sh
EDSP 102	Educational Psychology	3sh
EDSP 477	Assessment of Student Learning: Design and Interpretation of Educational Measures	3sh
EDUC 242	Pre-Student Teaching and Clinical Exp I	1sh
EDUC 342	Pre-Student Teaching and Clinical Exp II	1sh
EDUC 431	Student Teaching in Family and Consumer Sciences	6sh
EDUC 441	Student Teaching	6sh
EDUC 442	School Law	1sh
FCSE 350	Teaching Family Life Education	3sh
FCSE 450	Teaching Vocational Home Economics	3sh
FDED 102	American Education in Theory and Practice	3sh

Major:

Required Courses:

CDFR 218	Child Development	3sh
CDFR 419	Teaching in Child Development Centers	4sh
CDFR 224	Marriage and Family Relations	3sh
CNSV 101	Personal and Family Management	3sh
FDNT 150	Foods	3sh
FDNT 151	Foods Laboratory	1sh
FDNT 212	Nutrition	3sh
FSMR 112	Fundamentals of Clothing Construction	3sh
FSMR 314	Textiles	3sh
INDS 312	Housing and Culture	3sh

Controlled Electives:

One course from the following: CNSV 413 or INDS 213 3sh
 One course from the following: CDFR 424 or 463 3sh

Free Electives:

(#)Total Degree Requirements:

124-126

(*) See requirements leading to teacher certification, titled "Admission to Teacher Education," in the College of Education and Educational Technology section of this catalog.

(#) See advisory paragraph "Timely Completion of Degree Requirements" in the section on Requirements for Graduation.

Proposed Program:

BS in Education— Family and Consumer Sciences Education (*)

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 151

Natural Science: CHEM 101-102

Social Science: PSYC 101, SOC 151

Liberal Studies Electives: 6cr, CNSV 315, MATH 152, no courses with FCSE prefix

College:

Pre-Professional Educational Sequence:

COMM 103	Digital Instructional Technology	3cr
EDSP 102	Educational Psychology	3cr
EDEX 301	Education of Students with Disabilities in Inclusive Secondary Schools	2cr
EDSP 477	Assessment of Student Learning: Design and Interpretation of Educational Measures	3cr
EDUC 242	Pre-Student Teaching and Clinical Exp I	1cr
EDUC 342	Pre-Student Teaching and Clinical Exp II	1cr
EDUC 431	Student Teaching in Family and Consumer Sciences	6cr
EDUC 441	Student Teaching	6cr
EDUC 442	School Law	1cr
FCSE 350	Teaching Family Life Education	3cr
FCSE 450	Teaching Vocational Family and Consumer Sciences	3cr

Major:

Required Courses:

CDFR 218	Child Development	3cr
CDFR 321	Preschool Education	3cr
CDFR 224	Marriage and Family Relations	3cr
CNSV 101	Personal and Family Management	3cr
FDNT 150	Foods	3cr
FDNT 151	Foods Laboratory	1cr
FDNT 212	Nutrition	3cr
FSMR 112	Fundamentals of Clothing Construction	3cr
FSMR 314	Textiles	3cr
INDS 312	Housing and Culture	3cr

Controlled Electives:

One course from the following: CNSV 413, 416, FSMR 434, or INDS 213 3cr
 One course from the following: CDFR 424, 463, FDNT 213, 245, FSMR 110 or 252, HRIM 313 (1), HPED 450, or INDS 205 3cr

Free Electives: enough credits beyond those listed above to total 120 credits.

(#)Total Degree Requirements:

120

(*) See requirements leading to teacher certification, titled "Admission to Teacher Education," in the College of Education and Educational Technology section of this catalog.

(1) Must take the prerequisite HRIM 259.

(#) See advisory paragraph "Timely Completion of Degree Requirements" in the section on Requirements for Graduation.

Rationale: MATH 151 and 152 are being added to Liberal Studies and Liberal Studies Electives are being reduced by 3cr. PDE now requires all students to take two college level courses in mathematics. Graduates are

certified to teach child development courses in secondary school settings. These courses often include preschool settings. MATH 151 and MATH 152 are required courses for elementary education. FDED 102 American Education in Theory and Practice is being removed since it is no longer a PDE requirement. HMEC 419 Teaching in CD Centers /W/ is being removed from the major and HMEC 321 Preschool Education is being added. HMEC 321 Preschool Education involves decisions and methods in preschool education programming. FCS Education graduates are certified to conduct preschools within secondary settings. Nine additional choices have been added to the restricted electives. These courses in areas related to family and consumer sciences will enable students to have a more in-depth study of selected areas. Free electives will now be 3cr.

Current Program:

BS—Interior Design

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 101 or higher

Humanities-Philosophy/Religious Studies: PHIL 223 recommended

Fine Arts: ARHI 101

Natural Science: SCI 105-106

Social Science: PSYC 101, SOC 151

Liberal Studies Electives: ARHI 205 or 206, BTED/ COSC/IFMG 101, ECON 122, no courses with INDS prefix

Major:

Required Courses:

FSMR 314	Textiles	3sh
INDS 105	Introduction to Interior Design	3sh
INDS 118	Drafting for Construction I	3sh
INDS 205	Color Theory and Application	3sh
INDS 218	Drafting for Construction II	3sh
INDS 305	Interior Lighting	3sh
INDS 310	Human Factors in Interior Design	3sh
INDS 313	Materials and Finishes	3sh
INDS 315	Residential Design	3sh
INDS 319	Residential Design II: Kitchen, Bath, Media Room Design	3sh
INDS 370	Development of Design I /W/	3sh
INDS 380	Development of Design II /W/	3sh
INDS 405	Interior Design Professional Practice	3sh
INDS 464	Contract Design I	3sh
INDS 465	Contract Design II	3sh

Other Requirements:

Outside Concentration:

Business: BTST 101, MKTG 320

Art: ART 120, 213; one course from the following:
ART 214, 215, 216, 218, 219

Free Electives:

Total Degree Requirements:

45

14

10-11

124

Proposed Program:

BS—Interior Design

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 101 or higher

Humanities-Philosophy/Religious Studies: PHIL 223 recommended

Fine Arts: ARHI 101

Natural Science: SCI 105-106

Social Science: PSYC 101, SOC 151

Liberal Studies Electives: 6cr, ARHI 205 or 206, ECON 122, no courses with INDS prefix

Major:

Required Courses:

FSMR 314	Textiles	3cr
INDS 105	Introduction to Interior Design	3cr
INDS 118	Drafting for Construction I	3cr
INDS 205	Color Theory and Application	3cr
INDS 218	Drafting for Construction II	3cr
INDS 305	Interior Lighting	3cr
INDS 310	Human Factors in Interior Design	3cr
INDS 313	Materials and Finishes	3cr
INDS 315	Residential Design	3cr
INDS 319	Residential Design II: Kitchen, Bath, Media Room Design	3cr
INDS 370	Development of Design I /W/	3cr
INDS 380	Development of Design II /W/	3cr
INDS 405	Interior Design Professional Practice	3cr
INDS 464	Contract Design I	3cr
INDS 465	Contract Design II	3cr

Other Requirements:

Outside Concentration:

Business: BTST 101, MKTG 320

Art: ART 120, 213; one course from the following:
ART 214, 215, 216, 218, 219

Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements:

51

45

14

120

Rationale: 3 credits are being deleted from Liberal Studies electives and one from Free Electives, which will now be 10 credits.

13. Department of Religious Studies

PASSED

A. Catalog Description Change:

Current Catalog Description:

Religious Studies

The program in Religious Studies is designed to provide a balanced, nonsectarian, cross-cultural approach to a better understanding of the phenomenon of religion in human experience. It emphasizes an interdisciplinary approach by a) requiring religion-related courses outside Religious Studies and by b) encouraging the minor or a double major, rather than a single major in Religious Studies.

The program is valuable for those planning careers in religious education, religious journalism, or religious broadcasting. The program also provides an excellent background for graduates planning to enter Catholic, Jewish, or Protestant seminaries. Religious Studies is also a good complement to majors in such fields as Anthropology, English, Fine Arts, History, International Studies, Music, Philosophy, Political Science, Psychology, and Sociology. Religious Studies is one significant way to integrate course studies within the university curriculum.

In addition to the 24 semester hours of Religious Studies courses in the major, 6 semester hours must be taken from a number of courses offered by other departments which complement those offered in Religious Studies. Opportunity for interdisciplinary and cross-cultural study is implicit in the study of religious themes and is required in the Religious Studies Program at IUP. Revisions are pending in the Religious Studies program.

Minor

The requirements for a Minor in Religious Studies are 15sh:

1. 12sh must be taken from the Religious Studies offerings, which include certain required courses (see below).
2. 3sh must be taken outside the Religious Studies offering but in "religion-related" courses.
3. No more than 3 non-classwork semester hours may count toward minor.

Consult advisor in Religious Studies for choices.

Liberal Studies Offerings

The Religious Studies program's Liberal Studies courses are all introductory in nature; none presupposes any Religious Studies background. The student may choose from the following: RLST 100, 250, or 290.

Proposed Catalog Description:

Religious Studies

The program in Religious Studies is designed to provide a balanced, nonsectarian, cross-cultural approach leading to a better understanding of the phenomenon of religion in human experience. It emphasizes an interdisciplinary approach and encourages the minor or a double major, as well as a single major in Religious Studies.

The program is valuable for those planning to teach about religions or religious studies in schools at the primary, secondary, or college level. The program also provides an excellent background for graduates planning to enter Catholic, Jewish, or Protestant seminaries. Additionally, Religious Studies is a good complement to majors in such fields as Anthropology, English, Fine Arts, History, International Studies, Music, Philosophy, Political Science, Psychology, and Sociology. Religious Studies is one significant way to integrate course studies within the university curriculum.

In addition to the 27 semester hours of Religious Studies courses in the major, three semester hours must be taken from a number of courses offered by other departments which complement those offered in Religious Studies. Opportunity for interdisciplinary and cross-cultural study is implicit in the study of religious themes and is required in the Religious Studies program at IUP.

Minor

The requirements for a Minor in Religious Studies are 15cr: 15cr must be taken from the Religious Studies offerings, which include certain required courses (see below).

Liberal Studies Offerings

The Religious Studies program's Liberal Studies courses are all introductory in nature; none presupposes any Religious Studies background. The student may choose from the following: RLST 100 Introduction to Religion, RLST 110 World Religions, RLST 250 Understanding the Bible, and RLST 290 Christianity.

B. Program Revision:

Current Program:

BA – Religious Studies

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Liberal Studies Electives: no courses with RLST prefix

College:

Foreign Language Intermediate Level (1)

Major:

Controlled Electives: (2)

One course from list A: RLST 100 or 110 3sh

One course from list B: RLST 210 or 250 3sh

One course from list C: RLST 370 or 375 3sh

One course from list D: RLST 380, 410, or 440 3sh

Four additional RLST courses (3) 12sh

Two courses from religion-related courses (3) 6sh

Other Requirements:

0

Free Electives:

33-41

Total Degree Requirements:

124

(1) Intermediate-level Foreign Language may be included in Liberal Studies electives.

(2) Other courses may be approved in consultation with advisor.

(3) Consult Religious Studies advisor.

Proposed Program:

BA – Religious Studies

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: 3cr

Liberal Studies Electives: 9cr, no courses with RLST prefix

College:

Foreign Language Intermediate Level (1)

Major:

Controlled Electives: (2)

Core: RLST 100 or 110 3cr

Western: RLST 260, 290, 380, 410 or 440 3cr

Eastern: RLST 311, 370 or 375 3cr

Indigenous: RLST 360 or 365 3cr

Five elective RLST courses (3) 15cr

One religion-related course (3) 3cr

Other Requirements: **0**

Free Electives: enough credits beyond those listed above to total 120.

Total Degree Requirements:

120

(1) Intermediate-level Foreign Language may be included in Liberal Studies electives.

(2) Other courses may be approved in consultation with advisor.

(3) Consult Religious Studies advisor.

Rationale: Instead of four unnamed lists A-D, we have named them to cover four broad categories of religious traditions: Core, Western, Eastern, and Indigenous religions. The indigenous category is totally new and fills a gap in our broad coverage of the world's religious traditions. The courses in this category are not new courses. We have decreased the number of religion related courses by one and increased the RLST electives by one course. Four credits are being deleted from free electives, which will now be 31-37.

C. Minor Revision**Current Program:****Minor—Religious Studies**

RLST 100 or 110
 RLST 370 or 375
 RLST 380 or 410 or 440
 Elective in Religious Studies (1)
 Religion-related course (1)

(1) Consult Religious Studies advisor.

Proposed Program:**15 Minor—Religious Studies**

3sh Core: RLST 100 or 110
 3sh Western: RLST 260, 290, 380, 410 or 440
 3sh Eastern: RLST 311, 370 or 375
 3sh Indigenous: RLST 360 or 365
 3sh Elective RLST course (1)

(1) Consult Religious Studies advisor.

15

3cr
 3cr
 3cr
 3cr
 3cr

14. Department of Theater and Dance**PASSED****A. Five New Courses****THTR 111 Foundations of Theater****3c-01-3cr**

A primary course for those engaged in theater and any other performance-related area so as to define the nature of theater art, develop one's own individual system of analysis and to finally acquire an understanding of process, dramatic structure, composition, genre, theatrical styles and a theory of performance.

Rationale: This is a new course which replaces THTR 110 Script Analysis. It was found that the "script analysis" class did not cover as much basic material as we would like. To put it bluntly, non-major students in THTR 101 were getting more basic material not being covered in any of the major courses. Rather than revise THTR 110, we have opted to create a new course, broader than "script analysis."

THTR 205 CLASSIC THEATER I**3c-01-3cr****Prerequisite:** HIST 195

A comprehensive survey of western theater from its origins to the beginning of the Italian Renaissance. Includes the study of significant plays of the period as well as the influence of playwrights, directors, actors, designers and theorists of the era.

THTR 206 CLASSIC THEATER II**3c-01-3cr****Prerequisite:** HIST 195

A comprehensive survey of western theater from the Italian Renaissance to the end of the eighteenth century. Includes the study of significant plays of the period as well as the influence of playwrights, directors, actors, designers and theorists of the era.

THTR 207 MODERN THEATER I**3c-01-3cr****Prerequisites:** HIST 195

A comprehensive survey of Western theater from the time after the French Revolution to the outbreak of the First World War. Includes the study of significant plays of the period as well as the influence of playwrights, directors, actors, designers and theorists of the era.

THTR 208 MODERN THEATER II**3c-01-3cr****Prerequisites:** HIST 195

A comprehensive survey of Western theater from the early 20th century to the present. Includes the study of significant plays of the period as well as the influence of playwrights, directors, actors, designers and theorists of the era.

Rationale: These are new courses that, in their way, replace portions of THTR 201, 202, 301 and 302. It was found that the teaching of theater history without having to read the play scripts which accompany the history was pedagogically weak. The reverse was found to also be true. Furthermore, giving the students more choices fit in to the university's and the state's mandate to better ensure our students being able to graduate in four years.

B. Course Deletions—Effective Fall 2003

THTR 110 Script Analysis
THTR 201 Theater History I
THTR 202 Theater History II
THTR 301 Tragic Mask
THTR 302 Comic Mask

Rationale: As a result of the difficulty of scheduling four discrete courses required of all majors and the difficulty for students of scheduling the Theater History courses in sequence in the same semester, the department chose to re-examine the effectiveness of teaching the theater history courses separately from the dramatic literature courses. While there have been some benefits towards separating the two entities, it was determined that the amount of repetition between the two courses (in their need to recognize the effects of history on the literature and vice versa) made combining the two entities in the same course a more workable solution. Therefore, it was determined that these four courses would be deleted and replaced with four courses that would more fully integrate theater literature with the study of the theatrical history that produced it. The courses that will replace them are THTR 205 Classic Theater I, THTR 206 Classic Theater II, THTR 207 Modern Theater I and THTR 208 Modern Theater II.

C. Course Changes

1) Course Revision, Title and Catalog Description Change

Current Catalog Description:

THTR 120 Stagecraft I

3c-01-3sh

An exploration of the material, methods, and procedures utilized in creating a scenic environment. Through instruction and practical application, students learn the basis of scenic construction and develop competency with the basic materials and equipment used in a theatrical scene shop.

Proposed Catalog Description:

THTR 120 Stagecraft

3-01-3cr

An exploration of the material, methods, and procedures utilized in creating a scenic environment. Through instruction and practical applications, students learn the basis of scenic construction and develop competency with the basic materials and equipment used in a theatrical scenery shop.

2) Course Revision, Number, Title, and Catalog Description Change

Current Catalog Description:

THTR 220 Stagecraft II

3c-01-3sh

Prerequisite: THTR 120 or permission

An advanced exploration of materials, methods, and procedures involved in creating a scenic environment. Students also receive intensive practical experience in shop planning and supervision to include problem-solving techniques.

Proposed Catalog Description:

THTR 324 Advanced Stagecraft

3c-01-3cr

Prerequisites: THTR 120 and THTR 221, or permission

An advanced exploration of materials, methods, and procedures involved in operating a scenery studio and theater facility. Students receive intensive practical experience in technical problem solving, studio planning, and project supervision.

Rationale: It has likely been 15 years since the syllabus for THTR 220 Stagecraft II was first created. Significant changes have been made elsewhere in the curriculum, and certainly in the field of theatre technology, over this time. It is certain that curriculum drift has moved this course from its origins. This revision draws an accurate picture of how the course continues to serve the major and interested non-majors. It is taught at an advanced level and so its new number, THTR 324, reflects its place among the other higher-level production and design courses in the department.

3) Course Revision

Current Catalog Description:

THTR 221 Basic Stage Lighting

3c-01-3sh

An introduction to lighting instruments, color media, control boards, physical laws of electricity and optics, graphics, and conventional techniques used in lighting theatrical productions.

Proposed Catalog Description:

THTR 221 Basic Stage Lighting

3c-01-3cr

An introduction to lighting instruments, color media, control boards, physical laws of electricity and optics, graphics, and conventional techniques used in lighting theatrical productions.

Rationale: It has likely been over 15 years since THTR 221 Basic Stage Lighting was considered for a curriculum revision. It is certain that curriculum drift has moved this course from its origins.

4) Course Revision and Catalog Description Change

Current Catalog Description:

THTR 310 Theater Criticism

3c-01-3sh

A study of the theory of criticism and of the discrete functions of critic and reviewer. Students see live performances and practice writing both reviews and criticism.

Proposed Catalog Description:

THTR 310 Theater Criticism

3c-01-3cr

Prerequisites: Junior or senior theater major status or permission

Serves the student of theater as an opportunity to use what they have learned in the areas of theater (acting, directing, design and playwrighting) towards the critical process of responding to theater productions. Students will examine the differences between theater criticism and theater reviews while learning to write critical responses to live performances both on and off campus.

Rationale: With two faculty other than the course's creator teaching the course, it began to evolve in a considerably different direction on three levels: outcomes assessment, writing-intensive and newer faculty perspectives. As a result, the department felt that it is well past time to do a formal curriculum revision of this course.

5) Course Revision and Catalog Description Change

Current Catalog Description:

THTR 320 Scene Design**3c-01-3sh****Prerequisite:** THTR 120

An introduction to the principles of scenic composition, analysis, concept development, and graphic communication methods used by the scenographer.

Proposed Catalog Description:**THTR 320 Scene Design****3c-01-3cr****Prerequisites:** THTR 116 or permission

An introductory course in scenic design that applies the fundamental principles of theatrical design. Topics include an overview of current scene design practice, design conceptualization, graphic communication methods, and a method of designing theatrical scenery. Practical applications are emphasized through a series of class exercises.

Rationale: It has been at least 15 years since the syllabus of record for THTR 320 Scene Design was revisited. In 1995 the department created a new course, THTR 116 Fundamentals of Theatrical Design, at the suggestion of our accrediting agency. THTR 116 provides an introductory overview of theatrical design required for all majors, THTR 320, is now to build upon the fundamentals learned in THTR 116 by teaching a method for designing theatrical scenery. It is certain that curriculum drift has moved this course from its origins. Furthermore we wish to change the prerequisite for the course commensurate with its new place in the department's curriculum.

6) Course Revision and Catalog Description Change**Current Catalog Description:****THTR 321 Stage Lighting Design****3c-01-3sh****Prerequisite:** THTR 221

Covers the design and execution of stage lighting with emphasis on script analysis, the collaborative role of the lighting designer, lighting theory, and modern stage lighting practices. Practical applications include the conceptualization and designing of production lighting for Proscenium, Thrust, and Arena stages through class exercises.

Proposed Catalog Description:**THTR 321 Stage Lighting Design****3c-01-3cr****Prerequisites:** THTR 116 or permission

An introductory course in stage lighting that applies the fundamental principles of theatrical design. Stage lighting topics include an overview of current lighting methods and equipment, the controllable properties and functions of stage lighting, learning to see light, a creative approach to stage lighting, and design graphics. Practical applications are emphasized through a series of class exercises.

Rationale: THTR 321, Stage Lighting was last submitted to the UWUCC in 1985 as a new course. The purpose of this course is now to build upon the fundamentals learned in THTR 116 by teaching a method for lighting the stage. While there has been some curricular drift since 1985 with this course the most pertinent justification for revision is to change the prerequisite for the course commensurate with its current place in the conceptual scheme of department's curriculum.

7) Course Revision and Catalog Description Change**Current Catalog Description:****THTR 322 Costume Design****3c-01-3sh**

Covers design and execution of stage costumes with emphasis on showing how mood and illusion can be created through the proper selection of style, color, and texture, supplemented by an overview of stage costuming.

Proposed Catalog Description:

THTR 322 Costume Design

3c-01-3cr

Prerequisite: THTR 116 or permission

An introduction to the discipline of costume design for the theater with an emphasis on script analysis, figure drawing, character definition, and control of the design elements, supplemented by an overview of costume history.

Rationale: It has been at least 15 years since THTR 322 Costume Design was formally revised. The purpose of this course is now to build upon the fundamentals learned in THTR 116 by teaching a method for designing theatrical costumes. It is also certain that curriculum drift has moved this course from its origins, especially with four different costume designers teaching it. Furthermore we wish to change the prerequisite for the course commensurate with its new place in the department's curriculum.

8) Course Revision and Catalog Description Change

Current Catalog Description:

THTR 340 Acting II

3c-01-3sh

Prerequisite: THTR 240 or permission of instructor

The study of the evolving Stanislavsky system and its American reinterpretations as applied to realism and other dramatic genres and styles. The emphasis will be on scoring of text, exploring the relationships between psychological states and physical action.

Proposed Catalog Description:

THTR 340 Acting II

3c-01-3cr

Prerequisite: THTR 240

A continuation of the study of Stanislavski system, focusing on his primary texts, towards a development of individual student techniques. Emphasis will be on scene study through applying techniques to scene rehearsal and role problems, and exploring the relationships between psychological states, physical action and truth in acting.

Rationale: This course was created and largely taught by only one professor until 1995. When that professor retired, it was passed on to another faculty to teach the course. Over the next few years, this professor re-tooled the course considerably necessitating the current formal course revision process. The course as now defined could be taught by any of our performance faculty.

9) Course Revision and Catalog Description Change

Current Catalog Description:

THTR 347 Playwriting

3c-01-3sh

Prerequisite: THTR 110 or permission of instructor

A practical exploration of the craft and process of playwriting. Focuses primarily on the practical "hands-on" experiences approximating the "developmental process" currently in use in the American theater. The student will be guided from the initial concept through synopsis, outlines, working drafts, and completion of an original one-act play and a "staged reading" of this project.

Proposed Catalog Description:

THTR 347 Playwriting

3c-01-3cr

Prerequisite: THTR 111 or permission of professor

A practical exploration of the craft and process of playwriting. Focuses primarily on the practical, “hands-on” experiences approximating the “developmental process” currently in use in the American theater. The student will be guided from the initial concept through synopsis, outlines, working drafts, and completion of an original one-act play and a “staged reading” of this project.

Rationale: The previous prerequisite was THTR 110 Script Analysis. It has been replaced by THTR 111 Foundations of Theater that still has a major script analysis focus in this new course. Therefore, this course can readily serve as the preparation necessary in script analysis skills needed for THTR 347 Playwriting.

10) Course Revision and Catalog Description Change

Current Catalog Description:

THTR 350 Directing

3c-01-3sh

Prerequisites: THTR 110, 240 or permission of instructor

An introduction to basic directing skills: casting, floor plans, blocking, rehearsal procedures, and the applications of scene and character analysis. Students will prepare short scenes for class presentation.

Proposed Catalog Description:

THTR 350 Directing

3c-01-3cr

Prerequisites: THTR 111, 240 or permission of instructor

An introduction to basic directing skills: casting, floor plans, blocking, rehearsal procedures, and the applications of scenes and character analysis. Students will prepare short scenes for class presentation.

Rationale: One of the previous prerequisites was THTR 110 Script Analysis. It has been replaced by THTR 111 Foundations of Theater that still has a major script analysis focus in this new course. Therefore, this course can readily serve as the preparation necessary in script analysis skills needed for THTR 350 Directing.

11) Course Revision and Catalog Description Change

Current Catalog Description:

THTR 486 Practicum in Production

var-.5-4sh

Prerequisites: THTR 110, 240 or permission of instructor

An opportunity with academic credit for students to make significant contributions to campus productions augmenting theater coursework in the areas of assistant directing or directing, stage management, technical direction, sound design, lighting, scene design, properties and set decoration, scene building and painting, costuming, dance, and make-up design. May be repeated.

Proposed Catalog Description:

THTR 486 Practicum in Production

var-0-3cr

Prerequisite: theater major standing or permission of instruction

An opportunity with academic credit for students to make significant contributions to campus productions augmenting theater coursework in the areas of directing, acting, stage management, technical direction, design (sound, set, lights, costumes, makeup), properties, scenic construction and scenic art painting, costume technology, dance and running crews. Repeatable course required of all theater majors for a minimum of six semesters, one of which must be a final project for senior majors.

Rationale: Given the assumption that theater majors should be growing in their practical application in their discipline over a four year immersion in a program that combines coursework with production

work most semesters, it should be essential that they be capable of taking on a major production assignment in their area of concentration by the time they are seniors. While nearly all of our majors are pursuing this growth moving towards more and more major production responsibilities by the time they are juniors/seniors in the theater major, there has been no way to fully recognize the capstone nature of their work within the curriculum. This shift to a senior year project as part of their Practicum in Production requirements further serves to support the concentration focus of the proposed curriculum.

D. Program Revision

Current Program:

BA-- Theater

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Fine Arts: ARHI 101, DANC 102 or MUHI 101

Liberal Studies Electives: no courses with THTR prefix

Major:

Required Courses:

THTR 110	Script Analysis	3sh
THTR 116	Fundamentals of Theatrical Design	3sh
THTR 201	Theater History I	3sh
THTR 202	Theater History II	3sh
THTR 301 or 302	Tragic Mask or Comic Mask	3sh
THTR 310	Theater Criticism	3sh
Any three of the following:		
THTR 120	Stagecraft I	3sh
THTR 122	Costume Workshop	3sh
THTR 221	Basic Stage Lighting	3sh
THTR 223	Makeup for the Stage	3sh
Any three of the following:		
THTR 130	Stage Voice	3sh
THTR 131	Stage Movement or	
DANC 150	Fundamentals of Dance	3sh
THTR 240	Acting I	3sh
THTR 350	Directing	3sh

Proposed Program:

BA-- Theater

53-55 Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: 3cr

Fine Arts: ARHI 101, DANC 102 or MUHI 101

Liberal Studies Electives: 9cr, no courses with THTR prefix

40

Major:

Required Courses:

THTR 111	Foundations of Theater	3cr
THTR 116	Fundamentals of Theatrical Design	3cr
THTR 205/206	Classic Theater I or Classic Theater II	3cr
THTR 207/208	Modern Theater I or Modern Theater II	3cr

Core Courses:

[Minimum of 6cr from each area]

Technical Core:

THTR 120	Stagecraft	3cr
THTR 122	Costume Workshop	3cr
THTR 221	Basic Stage Lighting	3cr

Performance Core:

THTR 130 or 131	Stage Voice or Stage Movement	3cr
THTR 240	Acting I	3cr
THTR 350	Directing	3cr

Production Practicum: (1)

THTR 486	Practicum in Production	4cr
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Theater Concentration Electives:

[Concentrate in one or two of the following areas] 9cr

Area A: Design/Tech

[In addition to any of the technical core beyond the 6 credits required]

THTR 320	Scene Design	3cr
THTR 321	Stage Lighting Design	3cr
THTR 322	Costume Design	3cr
THTR 323	Sound Design	3cr
THTR 324	Advanced Stagecraft	3cr
THTR 489	Technical Theater Problems	3cr

Area B: Performance

[In addition to any of the performance core beyond the 6 credits required]

THTR 340	Acting II	3cr
THTR 341	Acting Styles	3cr
THTR 342	Acting Shakespeare	3cr
THTR 484	Directing Studio	3cr
THTR 487	Acting Studio	3cr

Area C: Musical Theater (2)

DANC 150	Fundamentals of Dance	3cr
DANC 250	Contemporary Dance	3cr
DANC 260	Jazz Dance	3cr

DANC 270	Ballroom and Tap Dance	3cr
DANC 280	Ballet	3cr
DANC 290	Ethnic Dance	3cr
THTR 341	Acting Styles	3cr
THTR 487	Acting Studio	3cr
DANC 485	Dance Studio	3cr

Area D: Theater History and Theory (3)

THTR 310	Theater Criticism /W/	3cr
THTR 350	Directing	3cr
THTR 347	Playwriting /W/	3cr

Theater Electives:

Choose an additional course either from any THTR course listed above or any of the following courses:

THTR 223	Makeup for the Stage	3cr
THTR 281	Special Topics	3cr
THTR 310	Theater Criticism /W/	3cr
THTR 345	Touring Young People's Theater	3cr
THTR 347	Playwriting /W/	3cr
THTR 481	Special Topics	3cr
THTR 483	Honors Thesis	3cr
THTR 493	Internship	3cr

Other Requirements:

THTR 486	Practicum in Production (minimum of 6 semesters)	4 4sh
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Free Electives:

29-31 Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements:

124 Total Degree Requirements: 120

- (1) 4 credits over a minimum of six semesters including one semester for senior year project.
- (2) In addition to auditioning for limited seats in applied voice lessons from the Music Department, students could choose at least one acting class and at least one dance class from the listings below. It is important to note that courses serving this major requirement cannot also serve a dance minor requirement.
- (3) In addition to taking all four of the Classic and Modern Theater courses for 6 of the 9 credits required in this concentration, an additional 3 credits can be chosen from the following courses (assuming that they are not already serving another major requirement) or from specially defined THTR 281/481/483 courses.

Rationale: The previously approved curriculum for a B.A. has been recognized by both NAST and our department as a very strong curriculum towards addressing a broad-base of knowledge in a theater degree. Students, however, could possibly graduate with the minimum demands for the major without pursuing any level of expertise in any area beyond an introductory level. Our faculty strongly feels that this version best holds on to the strengths of our previously NAST approved curriculum while providing the reality of some level of expertise in a particular area of theater. Additionally in 1998-99, the number of majors in our department suddenly jumped nearly 50% -- and has maintained this increase in numbers over the past three years which has created scheduling problems. This new curriculum provides a greater flexibility for our majors in choosing their courses for the major. It also provides a greater flexibility in scheduling the courses. Finally, it better serves the larger number of majors (that we are presently maintaining) in a timely movement towards graduation in four years.

The primary differences in this modification of our curriculum are as follows: 1) A revision of the basic required courses for all majors from an 18 credit requirement to a 12 credit requirement. The shift in numbers is made possible by a combination of theater history with the study of the dramatic works of the period under review. 2) A revision of the required core courses in either performance or technical theater from a 9 credit requirement in each core area to a 6 credit requirement in each core area. 3) A provision that required each major to determine an area of concentration in theater production or theory where they could take at least nine credits of lower and upper division courses in that concentration beyond the required courses. 4) A deletion of 4 credits from the Free Electives, which will now be 27 credits.

15. Department of Food and Nutrition—Course Revision and Program Revisions**PASSED****A. Course Revision****Current Catalog Description:****FDNT 447 Nutritional Aspects of Food Technology****3c-0l-3sh****Prerequisites:** BIOL 232 and FDNT 212; junior status

A study of the current know effects of food processing techniques on the nutritional value and safety of foods.

Proposed Catalog Description:**FDNT 447 Nutritional Aspects of Food Technology****3c-0l-3sh****Prerequisites:** BIOL 241 and FDNT 212; junior status

A study of the current know effects of food processing techniques on the nutritional value and safety of foods.

Rationale: The old prerequisite BIOL 232 is no longer being offered because of low enrollments.**B. Program Revisions****Current Program:****BS—Nutrition/Dietetics Track****Liberal Studies:** As outlined in the Liberal Studies section with the following specifications:**Health and Wellness:** HPED 143**Mathematics:** MATH 217**Natural Science:** CHEM 101-102 or CHEM 111-112**Social Science:** ECON 101 or 121, PSYC 101, SOC 151**Liberal Studies Electives:** BTED/COSC/IFMG 101, HMEC 218 or PSYC 310, no courses with FDNT prefix**Major:****Required Courses:**

FDNT 110	Careers in Food and Nutrition	1sh
FDNT 150	Foods	3sh
FDNT 151	Foods Laboratory	1sh
FDNT 212	Nutrition	3sh
FDNT 213	Life Cycle Nutrition	3sh
FDNT 355	Nutrition in Disease I	3sh
FDNT 362	Experimental Foods	3sh
FDNT 458	Advanced Human Nutrition	4sh
FDNT 470	Human Food Consumption Patterns	3sh
FDNT 484	Senior Seminar	1sh

Controlled Electives:**Dietetics Track:**

FDNT 364	Methods of Teaching	3sh
FDNT 402	Community Nutrition	3sh
FDNT 430	Professional Topics in Food and Nutrition	3sh
FDNT 455	Nutrition in Disease II	3sh
FDNT 463	Nutrition Counseling	3sh
HRIM 256	Principles of Hospitality Human Resource Management	3sh
HRIM 259	Hospitality Purchasing	3sh
HRIM 313	Food Systems I	4sh
MGMT 310	Principles of Management	3sh

Proposed Program:**BS—Nutrition/Dietetics Track****54 Liberal Studies:** As outlined in the Liberal Studies section with the following specifications:**Health and Wellness:** HPED 143**Mathematics:** MATH 217**Natural Science:** CHEM 101-102 or CHEM 111-112**Social Science:** ECON 101 or 121, PSYC 101, SOC 151**Liberal Studies Electives:** 3cr, no courses with FDNT prefix**25****Major:****Required Courses:**

FDNT 110	Careers in Food and Nutrition	1cr
FDNT 150	Foods	3cr
FDNT 151	Foods Laboratory	1cr
FDNT 212	Nutrition	3cr
FDNT 213	Life Cycle Nutrition	3cr
FDNT 355	Nutrition in Disease	3cr
FDNT 362	Experimental Foods	3cr
FDNT 458	Advanced Human Nutrition	4cr
FDNT 470	Human Food Consumption Patterns	3cr
FDNT 484	Senior Seminar	1cr

28**Controlled Electives:****Dietetics Track:**

FDNT 364	Methods of Teaching	3sh
FDNT 402	Community Nutrition	3sh
FDNT 430	Professional Topics in Food and Nutrition	3sh
FDNT 455	Nutrition in Disease II	3sh
FDNT 463	Nutrition Counseling	3sh
HRIM 256	Principles of Hospitality Human Resource Management	3sh
HRIM 259	Hospitality Purchasing	3sh
HRIM 313	Food Systems I	4sh
MGMT 310	Principles of Management	3sh

48**25****28**

Other Requirements: **13 or 21**
 Natural Science Sequence: One option required:
 Natural Sciences Option I: 13sh
 BIOL 105, 155, 232, CHEM 255
 Natural Sciences Option II: (1) 21sh
 BIOL 105, 150, 151, 232, CHEM 231, 351

Free Electives: **0-4**

Total Degree Requirements: **124-128**

(1) Provides the student with entrance requirements for graduate education in food and nutrition science.

Current Program:

BS—Nutrition/Nutrition Track

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: **54**
Health and Wellness: HPED 143
Mathematics: MATH 217
Natural Science: CHEM 101-102 or CHEM 111-112
Social Science: ECON 101 or 121, PSYC 101, SOC 151
Liberal Studies Electives: BTED/COSC/IFMG 101, HMEC 218 or PSYC 310, no courses with FDNT prefix

Major: **25**
Required Courses:

FDNT 110	Careers in Food and Nutrition	1sh
FDNT 150	Foods	3sh
FDNT 151	Foods Laboratory	1sh
FDNT 212	Nutrition	3sh
FDNT 213	Life Cycle Nutrition	3sh
FDNT 355	Nutrition in Disease I	3sh
FDNT 362	Experimental Foods	3sh
FDNT 458	Advanced Human Nutrition	4sh
FDNT 470	Human Food Consumption Patterns	3sh
FDNT 484	Senior Seminar	1sh

Controlled Electives: **10-28**
 Nutrition Track (non-DPD):
 FDNT electives (300 level and above, internship of 3sh strongly recommended) 6sh
 Program minor, certificate, second major, or core concentration required for program completion (2) 4-22sh

Other Requirements:
 Natural Science Sequence: One option required: **13 or 21**
 Option I: BIOL 105, 155, 232, CHEM 255 13sh
 Option II: (3) BIOL 105, 150, 151, 232, CHEM 231, 351 21sh

Free Electives: **0-4**

Total Degree Requirements: **124-128**

Other Requirements: **13**
 Natural Science Sequence:
 BIOL 105, 155, 241, CHEM 255

Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements: **120**

Proposed Program:

BS—Nutrition/Nutrition Track

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: **48**
Health and Wellness: HPED 143
Mathematics: MATH 217
Natural Science: CHEM 101-102 or CHEM 111-112
Social Science: ECON 101 or 121, PSYC 101, SOC 151
Liberal Studies Electives: (1) 3cr, no courses with FDNT prefix

Major: **25**
Required Courses:

FDNT 110	Careers in Food and Nutrition	1cr
FDNT 150	Foods	3cr
FDNT 151	Foods Laboratory	1cr
FDNT 212	Nutrition	3cr
FDNT 213	Life Cycle Nutrition	3cr
FDNT 355	Nutrition in Disease I	3cr
FDNT 362	Experimental Foods	3cr
FDNT 458	Advanced Human Nutrition	4cr
FDNT 470	Human Food Consumption Patterns	3cr
FDNT 484	Senior Seminar	1cr

Controlled Electives: **10-28**
 Nutrition Track (non-DPD):
 FDNT electives (300 level and above, internship of 3sh strongly recommended) 6cr
 Program minor, certificate, second major, or core concentration required for program completion (2) 4-22cr

Other Requirements: **13**
 Natural Science Sequence:
 BIOL 105, 155, 241, CHEM 255

Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements: **120**

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| <p>(1) For the Gerontology Certificate, PHIL 405 or 400 or PSYC 378 can be applied as a Liberal Studies Elective. For the Business Administration minor, ECON 122 can be applied as a Liberal Studies Elective.</p> <p>(2) Select one of the following:</p> <ul style="list-style-type: none"> • Minor in Business Administration, Chemistry, Communications Media, Educational Technology, Journalism, Natural Sciences, Psychology, or Psychology Science. • Certificate in Culinary Arts or Gerontology • Core concentration in Hotel, Restaurant, and Institutional Management (FDNT 150, 151, HRIM 101, 256, 259, 306, 313, 401, HRIM 3sh and HPED 343 or 375 or 412) <p>(3) Provides the student with entrance requirements for graduate education in food and nutrition science.</p> | <p>(1) For the Gerontology Certificate, PHIL 405 or 400 or PSYC 378 can be applied as a Liberal Studies Elective. For the Business Administration minor, ECON 122 can be applied as a Liberal Studies Elective.</p> <p>(2) Select one of the following:</p> <ul style="list-style-type: none"> • Minor in Business Administration, Chemistry, Communications Media, Educational Technology, Journalism, Natural Sciences, Psychology, or Psychology Science. • Certificate in Culinary Arts or Gerontology • Core concentration in Hospitality Management (FDNT 150, 151, HRIM 101, 256, 259, 306, 313, 401, HRIM 3sh elective) or Physical Education and Sport (HPED 319, 410, 411, 492, and HPED 343 or 375 or 412) |
|--|--|

Rationale: BIOL 232 can no longer be offered regularly by the Biology Department because of low enrollment so BIOL 241 has been substituted. The second Natural Science Option is being eliminated because it requires over 120 credits. Liberal Studies Electives are being reduced from 9cr to 3cr and free electives will now be 6-24 credits in the Nutrition Track and 6cr for the Dietetics Track.

16. Department of Management—Catalog Description Change and Program Revision

PASSED

A. Catalog Description Change:

Current Catalog Description:

Graduates holding the Bachelor of Science degree in Management may find employment opportunities in both the public and private sectors. Opportunities are expected to be especially plentiful in the services sector (e.g. retailing, health care, information technology, finance, and transportation) where these degrees will be especially valuable.

The Department of Management offers three separate degree programs Management, Human Resources Management and International Business.

The Bachelor of Science in Management offers three areas students can choose to concentrate on: General Management, Operations Management, and Entrepreneurship and Small Business Management. General Management. While both management theory and application are taught, the track in General Management is distinguished by its greater flexibility that can be useful to the student who wishes to design a customized management.

Operations Management. Students in the Operations Management track are well grounded in both theory and application, but their focus is more upon production, operations, quality issues and inventory and capacity management.

Entrepreneurship and Small Business Management. Students taking the Entrepreneurship and Small Business Management track will focus on creation and operation of a small business. This track will also be for graduates who will be working in small businesses where the manager often must perform several managerial roles and manage several functions.

The Bachelor of Science in Human Resource Management prepares individuals in both the theoretical and applied aspects of managing the human resources function in organizations as a generalist or specialist. Students will gain expertise in areas such as job design, staffing, training, compensation, and performance appraisal.

The Bachelor of Science in International Business offers students an opportunity to acquire a thorough understanding of managing global operations in the contemporary business environment. In addition, students develop skills in a traditional functional area. The combination of these two objectives enable students to successfully perform in today's competitive global economy.

Proposed Catalog Description:

Graduates holding the Bachelor of Science degree in Management may find employment opportunities in both the public and private sectors. Opportunities are expected to be especially plentiful in the services sector (e.g. retailing, health care, information technology, finance, and transportation) where these degrees will be especially valuable.

The Department of Management offers three separate degree programs Management, Human Resources Management and International Business.

The Bachelor of Science in Management offers three tracks students can choose to concentrate on: General Management, Operations Management, and Entrepreneurship and Small Business Management.

General Management. While both management theory and application are taught in all of the department's majors, the track in General Management is distinguished by its emphasis upon the achievement of organized goals through the efforts of organization members.

Operations Management. Students in the Operations Management track are well grounded in both theory and application, but their focus is more upon production, operations, quality issues and inventory and capacity management.

Entrepreneurship and Small Business Management. Students taking the Entrepreneurship and Small Business Management track will focus on creation and operation of a small business. This track will also be for graduates who will be working in small businesses where the manager often must perform several managerial roles and manage several functions.

The Bachelor of Science in Human Resource Management prepares individuals in both the theoretical and applied aspects of managing the human resources function in organizations as a generalist or specialist. Students will gain expertise in areas such as job design, staffing, training, compensation, and performance appraisal.

The Bachelor of Science in International Business offers students an opportunity to acquire a thorough understanding of managing global operations in the contemporary business environment. In addition, students develop skills in a traditional functional area. The combination of these two objectives enable students to successfully perform in today's competitive global economy.

B. Program Changes

Current Program:

BS—Management/Human Resources Management

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 121

Social Science: ECON 121, PSYC 101

Liberal Studies Electives: BTED/COSC/IFMG 101, ECON 122, MATH 214, no courses with MGMT prefix

Proposed Program:

BS—Management/Human Resources Management

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 115

Social Science: ECON 121, PSYC 101

Liberal Studies Electives: 9cr, BTED/COSC/IFMG 101, ECON 122, MATH 214, no courses with MGMT prefix

54-56

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College: Business Administration Core **33**

Required Courses:

ACCT 201	Accounting Principles I	3sh
ACCT 202	Accounting Principles II	3sh
BLAW 235	Legal Environment of Business	3sh
BTST 321	Business and Interpersonal Communication	3sh
FIN 310	Finance I	3sh
IFMG 300	Info Systems: Theory and Practice	3sh
MGMT 310	Principles of Management	3sh
MGMT 330	Production and Operations Mgmt	3sh
MGMT 495	Business Policy	3sh
MKTG 320	Principles of Marketing	3sh
QBUS 215	Business Statistics	3sh

Major: Human Resource Management **27**

Required Courses:

ACCT 300	Managerial Accounting	3sh(1)
MGMT 300	Human Resource Management	3sh
MGMT 400	Compensation Management	3sh
MGMT 428	Seminar in Management	3sh

Controlled Electives:

One course from list: ECON 330 or PSYC 390	3sh
Two courses from list: MGMT 401 or MGMT 402	3sh
Three courses from list: ECON 371, ECON 372, ECON 373, ENGL 310, ENGL 312, JRNL 326, ILR 426, ILR 480, MGMT 311, MGMT 493(3sh max), ECON 330 or PSYC 371, PSYC 390 (if not above), SOC 340	9sh(2)

Other Requirements: **0**

Free Electives: **8-10**

Total Degree Requirements: **124**

- (1) ACCT 301 may be substituted.
- (2) Note prerequisites for controlled electives in planning sequence.

College: Business Administration Core **33**

Required Courses:

ACCT 201	Accounting Principles I	3cr
ACCT 202	Accounting Principles II	3cr
BLAW 235	Legal Environment of Business	3cr
BTST 321	Business and Interpersonal Communication	3cr
FIN 310	Finance I	3cr
IFMG 300	Info. Systems: Theory and Practice	3cr
MGMT 310	Principles of Management	3cr
MGMT 330	Production and Operations Management	3cr
MGMT 495	Business Policy	3cr
MKTG 320	Principles of Marketing	3cr
QBUS 215	Business Statistics	3cr

Major: Human Resources Management **18**

Required Courses:

ECON 330	Labor Economics	3cr
MGMT 300	Human Resource Management	3cr
MGMT 305	Organizational Staffing	3cr
MGMT 400	Compensation Management	3cr
MGMT 401	Management Development and Training	3cr
MGMT 402	Seminar in Human Resource Management	3cr

or

Controlled Electives: **9**

Human Resource Management majors must select any three of the following courses as electives.

ACCT 300	Managerial Accounting
BTST 342	Intercultural Business Communication
ILR 480	Principles and Practices of Collective Bargaining
MGMT 311	Human Behavior in Organizations
MGMT 334	Quality Management
MGMT 351	International Management
MGMT 406	Human Resource Management Research
MGMT 452	Comparative Management
MGMT 493	Internship
MGMT/MKTG 432	Business and Society
PSYC 390	Industrial-Organizational Psychology
PSYC 411	Psychology of Women
SAFE 101	Introduction to Occupational Safety and Health
SOC 340	Sociology of Industry
SOC 348	Sociology of Work
SOC 362	Racial and Ethnic Minorities

Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements: **120**

- (1) Human Resources Management majors are required to take a minimum of 50 percent of their degree requirements-- i.e., a minimum of 60 credit hours -- in nonbusiness coursework. The student's first 9 credits of Economics (ECON 121, ECON 122, and ECON 330) will be considered "nonbusiness" for purposes of this calculation. Given the foregoing, a minimum of 5 hours of free-electives must be taken in nonbusiness coursework by most Management Department majors.

Rationale: The current Human Resource management curriculum was created in 1979 when the old Business Administration major was reorganized across three new departments in the College of Business. The reasons and justifications for the proposed revisions are the following: (1) The Eberly College of Business and

Information Technology has acquired Association to Advance Collegiate Schools of Business-Intl. (AACSB) accreditation. The AACSB standards require a mission oriented, up-to-date curriculum. The proposed revision incorporates the contemporary theories and practices in the field. It will help the College maintain accreditation standards in the curriculum area. (2) The proposed changes will bring structure and focus to the program. (3) Regular communications with our alumni, COB Advisory Board, and industry leaders and managers have brought out the fact that the current Human Resources Management curriculum does not meet the needs of the business world.

The Liberal Studies math requirement for the College of Business has been changed from Math 121 to Math 115. ACCT 300 requirement has been dropped. The accounting department has recently revised ACCT 201 and 202. These two courses meet the needs of the majority of our majors. Students wishing may still select ACCT 300 as a controlled elective. A specific writing intensive course MGMT 402 Seminar in Human Resource Management has been developed. This course has been added to the list of required courses to provide students some flexibility. ECON 330 is no longer a controlled elective but a required course for these majors. MGMT 401 and 402 are now required courses. It was possible under the previous curriculum for Human Resource Management majors to receive a degree with only three management courses more than other business students. This did not provide sufficient depth of knowledge in their major. MGMT 305 has also been added for this reason. Free electives have changed to 5 credits to meet new mandated standards. The following courses have been dropped from the controlled electives list: ECON 371, 372, 373, 310, 330; ENGL 312; JRNL 326; IRL 426; PYSC 371. The following courses have been added to the controlled elective list: ACCT 300, BTST 342, IRL 480, MGMT 311, 334, 351, 406, 452, 493; MGMT/MKMT 432; PSYC 390, 411, SAFE 101; SOC 340, 348, 362. These courses better represent current human resource management theory.

BS— International Business

Current Program:		Proposed Program:	
Liberal Studies:	55-57	Liberal Studies:	55
Mathematics: MATH 115		Mathematics: MATH 115	
Liberal Studies Electives: BTED/COSC/IFMG 101, ECON 122, MATH 214, no courses with MGMT prefix		Liberal Studies Electives: 9cr, BTED/COSC/IFMG 101, ECON 122, MATH 214, no courses with MGMT prefix	
Business Core:	33	Business Core:	33
Foreign Language Requirement: (1)	0-9	Foreign Language Requirement: (1)	0-9
Major:	12	Major:	12
Concentration area courses: (select one concentration)	12	Concentration area courses: (select one concentration—choose three of the four courses in the area)	9
Other Requirements:	0	Free Electives: enough credits beyond those listed above to total 120 credits.	
Free Electives:	4-6		
Total Degree Requirements:	124	Total Degree Requirements:	120

Rationale: Concentration area courses are being reduced by 3cr and Free Electives will be reduced by 1cr, which will make Free Electives 2-11. Note that the previous Free Electives number was incorrect.

17. Department of Geography and Regional Planning—Program Revision (120) PASSED

Current Program:		Proposed Program:	
BS—Education—Social Science Education/ Geography Track (*)		BS—Education—Social Studies Education/ Geography Track (*)	
Liberal Studies: As outlined in the Liberal Studies section with the following specifications:	54-55	Liberal Studies: As outlined in the Liberal Studies section with the following specifications:	48
Social Science: ECON 121, GEOG 102, PSYC 101		Mathematics: 6cr	

Liberal Studies Electives: ECON 122, SOC 337 or 362(1), and one of the following: ANTH 271-274 (SOC 271-274)

Humanities-History: Fulfilled by required courses in minor

Social Science: ECON 121, GEOG 102, PSYC 101
Liberal Studies Electives: 3cr, ECON 122

College: **32**

Pre-Professional Education Sequence:

COMM 103	Digital Instructional Technology	3sh
EDSP 102	Educational Psychology	3sh
FDED 102	American Education in Theory and Practice	3sh

Professional Education Sequence:

EDEX 301	Education of Students with Disabilities in Inclusive Secondary Programs	2sh
EDSP 477	Assessment of Student Learning: Design and Interpretation of Educational Measures	3sh
EDUC 242	Pre-student Teaching Clinical Exp I	1sh
EDUC 342	Pre-student Teaching Clinical Exp II	1sh
EDUC 441	Student Teaching	12sh
EDUC 442	School Law	1sh
EDUC 455	Teaching of Social Science in Secondary Schools	3sh

Major: **24**

Required courses:

GEOG 213	Cartography I	3sh
GEOG 230	Cultural Geography	3sh

Controlled Electives:
 At least two courses from each of the following three groups:
 Environmental Geography: GEOG 341, 342, 343, 440
 Human Geography: GEOG 231, 331, 332, 333, 334, 335, 336, 337, 431
 Regional Geography: GEOG 251, 252, 253, 254, 255, 256

Social Science Distribution Requirements: **15**

The following courses are required:

HIST 204	United States History to 1877	3sh
HIST 205	United States History since 1877	3sh
PLSC 280	Comparative Government I: Western Political Systems	3sh

6 additional sh in history sufficient to meet the requirements for a minor **6sh**

Other Requirements: **3**
 Additional 3sh in Mathematics 100 level or higher

Free Electives: **0**

Total Degree Requirements: **128-129**
 (*) See requirements leading to teacher certification, titled "Admission to Teacher Education," in the College of Education and Educational Technology section of this catalog.
 (1) The SOC 151 prerequisite will be waived with instructor permission if a student has completed ANTH/SOC 271-274.

College: **29**

Pre-Professional Sequence:

COMM 103	Digital Instructional Technology	3cr
EDSP 102	Educational Psychology	3cr

Professional Education Sequence:

EDEX 301	Education of Students with Disabilities in Inclusive Secondary Programs	2cr
EDSP 477	Assessment of Student Learning Design and Interpretation of Educational Measures	3cr
EDUC 242	Pre-student Teaching Clinical Exp I	1cr
EDUC 342	Pre-student Teaching Clinical Exp II	1cr
EDUC 441	Student Teaching	12cr
EDUC 442	School Law	1cr
EDUC 455	Teaching of Social Studies in Secondary Schools	3cr

Major: **24**

Required courses:

GEOG 213	Cartography I	3cr
GEOG 230	Cultural Geography	3cr

Controlled Electives:
 At least two courses from each of the following three groups:
 Environmental Geography: GEOG 341, 342, 343, 440
 Human Geography: GEOG 231, 331, 332, 333, 334, 335, 336, 337, 431
 Regional Geography: GEOG 251, 252, 253, 254, 255, 256, 257

Social Studies Distribution Requirements: **18**

The following courses are required:

HIST 201	Western Civilization Before 1600 (1)	3cr
HIST 202	Western Civilization Since 1600 (1)	3cr
HIST 204	United States History to 1877	3cr
HIST 205	United States History since 1877	3cr
PLSC 280	Comparative Government I: Western Political Systems	3cr

or

PLSC 285	Comparative Government II: Non-Western Political Systems	3cr
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3cr in history sufficient to meet the requirements for a history minor **3cr**

Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements: **120**
 (*) See requirements leading to teacher certification, titled "Admission to Teacher Education," in the College of Education and Educational Technology section of this catalog.
 (1) For students who have received credit for HIST 195 prior to becoming Social Studies Education majors, this course may not be appropriate. Consult advisor.

Rationale: The name of the major is being changed from Social Science to Social Studies because PDE has replaced the Social Science certification with two certifications, Citizenship Education and Social Science Education. Students whose concentrations are in history, geography, economics or political science will apply for Citizenship Education. They will no longer be licensed to teach psychology, anthropology, or sociology.

To avoid confusion, we are changing the name of the major. FDED 102 is being removed. The second math course is being moved from other requirements to Liberal Studies Mathematics. Six credits are being removed from Liberal Studies Electives (SOC 337 or 362 and ANTH 271-274, SOC 271-274) because this was the only place credits could be removed and because the students will no longer be certified in these subjects. History 201 and 202 are being added to the minor and PSLC 285 is being added as an alternative for PLSC 280 to better match the other SSED Tracks and prepare students for the praxis test; GEOG 257 was accidentally deleted last year.

18. Department of Management Information Systems and Decision Sciences—Program and Course Changes, New Courses, Catalog Description Change, and Course Deletion PASSED

A. Seven New Courses

IFMG 210 Introduction to Front-End Business Applications 3c-01-3cr

Prerequisite: BTED/COSC/IFMG 101

Provides an introduction to systems and development concepts, information technology and front-end business application software. It explains how information is used in organizations and how MIS enables improvement in quality, timeliness, and competitive advantage. As part of this course, students will learn how to design and construct a front-end business application using a programming language.

IFMG 230 Introduction to Back-End Business Applications 3c-01-3cr

Prerequisites: ACCT 201 and IFMG 210

Introduces the student to the Back-End Business programming language as it applies to business organizations and their applications. Structured Back-End Business concepts and methods are taught as the student learns how to solve business problems using computers. The student will be involved using files, reports, and tables to produce a variety of outputs utilized in operating and managing business activities.

IFMG 330 Advanced Back-End Business Applications 3c-01-3cr

Prerequisite: IFMG 230 or COSC 220

Explores Back-End Business programming language as it applies to business organizations and their applications. Embed and Link variety of techniques of Back-End Business concepts and methods to solve business problems using computers and web technologies. The student will implement Back-End Business and user interface techniques in managing business activities.

IFMG 368 E-commerce Security 3c-01-3cr

Prerequisite: IFMG 352

Introduces the security concepts, operating systems security, network security, database, web server, and communication security. Public and common practices of procedures and regulations regarding e-commerce security will be explored. Writing information security policies will be introduced.

IFMG 460 Analysis and Logical Design 3c-01-3cr

Prerequisites: IFMG 352 and 450

Involves teaching the tools and techniques required for the analysis and design of a business system. Along with in class discussions of the principles and techniques for analyzing, designing, and constructing the system, the students will also formulate system teams in order to analyze the problems of an existing business information system, to design an improved system, and to control the implementation of the new system.

IFMG 465 ERP Technical Fundamentals 3c-01-3cr

Prerequisite: IFMG 450 or permission of instructor

Provides students with a fundamental understanding of Enterprise Resource Planning (ERP) Software. This course will show students how to use ERP and its various function modules as well as give students an understanding of the IS implementation, technical, managerial, coding and reporting skills necessary to successfully incorporate ERP into a business enterprise.

IFMG 475 Project Management and Implementation

3c-01-3cr

Prerequisite: IFMG 460

Introduces the student to demands made on the project manager and the nature of the manager's interaction with the rest of the parent organization in development of a Business Information System. The students will study the difficult problems associated with conducting a project using people and organizations that represent different cultures, politics, and may be separated by considerable distances. The course will also cover how to implement and carry out the development of the project using several Information Systems development methodologies.

B. Course Changes

1) Course Revision, Catalog Description and Course Number Change

Current Catalog Description:

IFMG 350 Business Systems Technology

3c-01-3sh

Prerequisite: COSC 220 or IFMG 255

Student is taught fundamental and advanced concepts of computer hardware and a procedure for evaluation and acquisition of computer hardware.

Proposed Catalog Description:

IFMG 250 Business Systems Technology

3c-01-3cr

Prerequisite: IFMG 210 or COSC 110

Presents a functional review of computing equipment and the organization of components and devices into architectural configurations. Students also learn the principles of system software and build an understanding of combinations of hardware and software within architectural designs.

2) Course Revision and Catalog Description Change

Current Catalog Description:

IFMG 251 Business Systems Analysis and Design

3c-01-3sh

Prerequisites: ACCT 201 and IFMG 205

Involves teaching the tools and techniques required for the analysis and the design of business systems. The major steps in the system's development life cycle are presented along with practical applications from the major subsystems of typical business organizations. Issues related to personnel, hardware, software, and procedures are explored as students work individually and in project teams to solve typical business application problems.

Proposed Catalog Description:

IFMG 251 Business Systems Analysis and Design

3c-01-3cr

Prerequisites: ACCT 201 and IFMG 210

Involves teaching the tools and techniques required for the analysis and the design of business systems. The major steps in the system's development life cycle are presented along with practical

applications from the major subsystems of typical business organizations. Issues related to personnel, hardware, software, and procedures are explored as students work individually and in project teams to solve typical business application problems. MIS majors will not be allowed to count this course towards satisfying their graduation requirements.

3) Course Revision and Course Title Change

Current Catalog Description:

IFMG 382 Auditing for EDP Systems

3c-01-3sh

Prerequisites: ACCT 201, COSC 220 or IFMG 255

Emphasizes the responsibility of the systems analyst to include in systems design the proper management and financial controls and audit trails in business information systems. The design of controls for application programs and systems is covered. Audit software packages are examined.

Proposed Catalog Description:

IFMG 382 IT Audit and Control

3c-01-3cr

Prerequisites: ACCT 201, COSC 220 or IFMG 230 or equivalent programming course

Emphasizes the responsibility of the systems analyst to include in systems design the proper management and financial controls and audit trails in business information systems. The design of controls for application programs and systems is covered. Audit software packages are examined.

4) Course Revision and Catalog Description Change

Current Catalog Description:

IFMG 450 Database Theory and Application

3c-01-3sh

Prerequisites: IFMG 370, upper-division students only

After learning data structures, the student will then apply them to CODASYL compatible database management systems, TOTAL, and IBM's database management system. Student must develop and use a database as part of requirement.

Proposed Catalog Description:

IFMG 450 Database Theory and Practice

3c-01-3cr

Prerequisites: IFMG 230 or COSC 220

Reviews the database design, data model methodologies, physical data structure, and database development and implementation. The remote data service, transaction server, and database administration will be introduced. The practical approach in accessing the database using Internet technology will be emphasized.

5) Course Revision

Current Catalog Description:

IFMG 480 Distributed Business Information Systems

3c-01-3sh

Prerequisite: IFMG 350

A study of the techniques involved in planning, design, and implementation of distributed processing systems. Distributed marketing, financial, and corporate accounting systems are included.

Proposed Catalog Description:**IFMG 480 Distributed Business Information Systems****3c-0l-3cr****Prerequisite:** IFMG 250

A study of the techniques involved in planning, designing, and implementing distributed processing systems. Distributed marketing, financial, and corporate accounting systems are included.

6) Course Revision**Proposed Catalog Description:****IFMG 493 Internship in MIS****var-3-l2sh****Prerequisites:** IFMG 370, consent of department chairperson and dean

Positions with participating business, industry, or governmental organizations provide the student with experience in systems analysis. Note: Internship IFMG 493 can be taken, if the student qualifies, as a general elective. It does not fulfill the major-area elective requirement.

Proposed Catalog Description:**IFMG 493 Internship in MIS****var-3-l2cr****Prerequisites:** IFMG 352 and 450, consent of department chairperson

Positions with participating business, industry, or governmental organizations provide the student with experience in systems analysis. Note: Internship IFMG 493 can be taken as a 3-credit major-area elective requirement.

Rationale: There are several reasons for these changes. 1) Rapid change in the MIS & DS fields requires that we update our curriculum on a regular basis. In the several years since our last revision, developments in enterprise resource planning systems, cyber security, and software releases represent new additions to our curriculum. At the same time, older technologies like COBOL are representing a smaller slice of the entire technology pie. It is important that we revise our courses to de-emphasize certain topics while at the same time exploring new areas. 2) The department would like to give students more flexibility in their schedule so that students can more easily complete their undergraduate program in 4 years as well as having more choice in the courses that they wish to take. 3) The new curriculum will incorporate suggestions made to our department by our MIS/DS Business Advisory Council. These suggestions included more coverage of IT security, integration, profitability, collaboration, and methodology and less emphasis on COBOL.

C. Course Deletion—Fall 2003**IFMG 372 Microcomputer Applications****D. Catalog Description Change****Current Catalog Description:**

Management Information Systems prepares students for careers in Computer Based Information Systems in organizational environments. Newer areas such as networking, cyber security and user/manager involvement in the global business environment are integrated with the traditional skills of programming, analysis and design, database development, various architectures and application development. Microprocessor technology, the mainframe environment, and client server applications are included. These adhere to standards for a balanced curriculum as promulgated by the Association for Information Systems, the technology-accrediting arm of the American Assembly of Collegiate Schools of Business.

Decision Sciences provides students with a knowledge of statistical and quantitative methods used to enhance the business decision process. The methodologies include linear programming, forecasting, simulation, stochastic process, queuing and network models.

The department creates a learning process that instills in its graduates respect, integrity, excellence, and a commitment to life-long learning. Internship experiences facilitate the student's entry into full-time employment in a rapidly changing technological environment.

The department welcomes minors for students who are majoring in other business programs. The minor program offers other business majors a technical enhancement to their area of interest, a necessity for today's business manager.

Proposed Catalog Description:

Management Information Systems prepares students for careers in Computer Based Information Systems in organizational environments. Newer areas such as networking, cyber security and user/manager involvement in the global business environment are integrated with the traditional skills of programming, analysis and design, database development, various architectures and application development. Microprocessor technology, the mainframe environment, and client server applications are included as well as an emphasis on business computing issues such as profitability, budgeting, collaboration, and project management. These adhere to standards for a balanced curriculum as promulgated by the Association for Information Systems (AIS), the technology-accrediting arm of The Association to Advance Collegiate Schools of Business (AACSB). AIS now comprises organizations such as AITP, SIMS, TIMS, ORSA and ICIS.

Decision Sciences provides students with a knowledge of statistical and quantitative methods used to enhance the business decision process. The methodologies include linear programming, forecasting, simulation, stochastic process, queuing and network models.

The department creates a learning process that instills in its graduates respect, integrity, excellence, and a commitment to life-long learning. Internship experiences facilitate the student's entry into full-time employment in a rapidly changing technological environment.

The department welcomes minors for students who are majoring in other business programs. The minor program offers other business majors a technical enhancement to their area of interest, a necessity for today's business manager.

E. Program Revision

Current Program:

BS—Management Information Systems (*)

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 121

Social Science: ECON 121, PSYC 101

Liberal Studies Electives: BTED/COSC/IFMG 101, ECON 122, MATH 214, no courses with IFMG prefix

**College: Business Administration Core
Required Courses:**

ACCT 201	Accounting Principles I	3sh
ACCT 202	Accounting Principles II	3sh
BLAW 235	Legal Environment of Business	3sh
BTST 321	Business and Interpersonal Communication	3sh
FIN 310	Finance I	3sh
IFMG 300	Info Systems: Theory and Practice	3sh

Proposed Program:

BS—Management Information Systems (*)

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 115 (1)

Social Science: ECON 121, PSYC 101

Liberal Studies Electives: 9cr, BTED/COSC/IFMG 101, ECON 122, MATH 214 (2), no courses with IFMG prefix

**College: Business Administration Core
Required Courses:**

ACCT 201	Accounting Principles I	3cr
ACCT 202	Accounting Principles II	3cr
BLAW 235	Legal Environment of Business	3cr
BTST 321	Business and Interpersonal Communication	3cr
FIN 310	Finance I	3cr

55-58

55

33

33

MGMT 310	Principles of Management	3sh
MGMT 330	Production and Operations Mgmt	3sh
MGMT 495	Business Policy	3sh
MKTG 320	Principles of Marketing	3sh
QBUS 215	Business Statistics	3sh

Major: Management Information Systems 34
Required Courses:

COSC 220	Applied Computer Programming	4sh
IFMG 205	Foundations of MIS	3sh
IFMG 350	Business Systems Technology	3sh
IFMG/COSC	352 LAN Design and Installation	3sh
IFMG 370	Advanced COBOL	3sh
IFMG 450	Data Base Theory and Application	3sh
IFMG 451	Systems Analysis	3sh
IFMG 470	Systems Design	3sh

Controlled Electives: (1) 9sh

Select three courses from the following:
 COSC/IFMG 354, COSC 110, 300, 310,
 COSC 344, 345, 362, IFMG 372, 382, 455
 IFMG 480, 485, 493 (3sh max), QBUS 380, 401

Other Requirements: 0

Free Electives: 0-3

Total Degree Requirements: 124

(*) Distribution Requirement: All Eberly College of Business and Information Technology majors (except those majoring in Business Education) must take a minimum of 50 percent of their degree requirements (i.e., at least 62sh) in nonbusiness coursework.
 (1) With advisor approval, one controlled elective may be selected from any other business course numbered 300 or higher that is not in the business core.

IFMG 300	Info. Systems: Theory and Practice	3cr
MGMT 310	Principles of Management	3cr
MGMT 330	Production and Operations Management	3cr
MGMT 495	Business Policy	3cr
MKTG 320	Principles of Marketing	3cr
QBUS 215	Business Statistics	3cr

Major: Management Information Systems 27-28
Required Courses:

IFMG 210	Introduction to Front-End Business Applications	3cr
IFMG 230	Introduction to Back-End Business Applications or	3cr
COSC 220	Applied Computer Programming	4cr
IFMG 250	Business Systems Technology	3cr
IFMG/COSC	352 LAN Design and Installation	3cr
IFMG 450	Data Base Theory and Application	3cr
IFMG 460	Analysis and Logical Design	3cr
IFMG 475	Project Management and Implementation	3cr

Controlled Electives: 6cr

Select any two courses from the following categories:
 Software Development: COSC 110, 300, 304, 310, 344, 345, 362, IFMG 330
 Networks & Cyber Security: COSC 316, CRIM 321, 323
 COSC/IFMG 354, IFMG 382, 480, 368
 Database & Decision Support: IFMG 455, 465, QBUS 380, 401, 481
 Special Topics, Internships & Seminars: IFMG 481, 485, 493

Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements: 120

(*) Distribution Requirement: All Eberly College of Business and Information Technology majors (except those majoring in Business Education) must take a minimum of 50 percent of their degree requirements (i.e., at least 60cr) in nonbusiness coursework.
 (1) MATH 115 or 121 or 123
 (2) MATH 214 or 216 or 217

Rationale: The Liberal Studies math was changed to meet the new college requirement. IFMG 370 (replaced by IFMG 330) is becoming an MIS major elective thus reducing the MIS core by 3 credits. Students will be given a choice between COSC 220 (4 credits) and IFMG 230 (3 credits). The required number of MIS electives goes 9cr to 6cr. The remaining courses in our major were rewritten to bring them up to date with current IS curriculum guidelines and the new credit limit. Free electives will increase to 4-5.

Current Program:

Minor—Management Information Systems 15
 (for Business majors in the Eberly College of Business and Information Technology only)

Required Courses:

IFMG 205	Foundations of MIS	3sh
IFMG 251	Business Systems Analysis and Design	3sh
IFMG 300	Information Systems: Theory and Practice	3sh
Controlled Electives:		6sh

Select 6sh from any IFMG courses except IFMG 101 and 201

Proposed Program:

Minor—Management Information Systems 15
 (for Business majors in the Eberly College of Business and Information Technology only)

Required Courses:

IFMG 210	Introduction to Front-End Business Applications	3cr
IFMG 230	Introduction to Back-End Business Applications	3cr
IFMG 300	Information Systems: Theory and Practice (1)	3cr
Controlled Electives: (2)		6cr

Select 6cr from any IFMG courses except IFMG 101 and 201

- (1) IFMG 300 is both a core course and requirement for the minor.
- (2) MIS minor should include a concentration in all IFMG courses. As a result, QBUS courses will not be counted towards the minor.

- (1) IFMG 300 is both a core course and requirement for the minor.
- (2) MIS minor should include a concentration in all IFMG courses. As a result, QBUS courses will not be counted towards the minor.

19. Department of Spanish—Course Deletion, Catalog Description Change, and Program Revisions (120)

PASSED

A. Course Deletion—Fall 2003

SPAN 351 Advanced Spanish Language I

Rationale: This course has not been offered in over 15 years. It is being deleted now so that the number can be reused.

B. Catalog Description Change:

Current Catalog Description:

The Department of Spanish and Classical Languages offers a varied curriculum designed to provide not only basic language instruction in Spanish, Greek, and Latin but also the more advanced competencies needed by language specialists and students hoping to take advantage of an international study experience. For the undergraduate Spanish major, the department has three degree programs: the B.S. in Education, the B.A. degree in Spanish, and the B.A. degree in Spanish for International Trade. The latter degree program provides solid undergraduate degree training preparatory to an M.B.A. in International Management.

Students majoring in Spanish will acquire proficiency in all phases of the language and enter more deeply into the history, culture, and literature of Spanish-speaking countries. Spanish majors generally find employment in government work, librarianship, journalism, foreign trade, airlines, tourism, business, criminology, and teaching. Students choosing careers as secondary school teachers will find the close supervision and advanced methodology offered by the department a distinct asset.

College Language Requirements

Students in the College of Natural Sciences and Mathematics and College of Humanities and Social Sciences, who must pass an intermediate-level language course requirement for graduation, may choose any one of the five languages offered by the Foreign Language departments: French, German, Italian, Latin, and Spanish. Those choosing the Spanish or Latin options will fulfill the requirement by successfully completing SPAN 201 or 211* or LATN 201. The student with no previous foreign language study will take SPAN 101-102 or SPAN 111* or LATN 101-102 as a prerequisite; the semester hours will not be applicable to any college or department requirements (except for students in HRIM, who may fulfill their 3-9-semester hour language requirement with SPAN 111* or 211* or SPAN 131-132 or with two 4-semester-hour courses) but may be counted as general electives in the total required for graduation. Students in the other colleges may choose to take one of the languages offered (at the intermediate level) in fulfilling the requirements of Liberal Studies electives.

*Course is currently inactive.

Students with previous Spanish study in high school will be placed into the appropriate course levels by means of a written departmental exam, administered prior to the beginning of the semester. In addition, as deemed necessary, especially in the case of native or heritage speakers, students' writing and speaking proficiency will be assessed by one or more faculty members in the Spanish department. Each student's individual requirements and the judgment of the classroom instructors will also be considered in placement.

Spanish for Elementary Education

A student in Elementary Education may elect a concentration of 19 semester hours of Spanish, consisting of the following:

SPAN 201	or equivalent	4cr
SPAN 221	Intermediate Spanish Conversation	3cr
SPAN 230	Intermediate Spanish Composition	3cr
SPAN 260	Introduction to Hispanic Literature	3cr
SPAN 321	Advanced Spanish Conversation	3cr
SPAN 404	Advanced Spanish Grammar	3cr

Elementary Education students wishing to prepare to teach in elementary programs where content teaching in Spanish is the objective should enroll in the Foreign Languages and International Studies for Elementary Teaching (FLISET) program described under the Department of Professional Studies in Education.

Study Abroad and Internships

Study Abroad: The university has established study-abroad centers in Spain, Mexico, and Costa Rica. The program in Valladolid, Spain, is a second-semester-only program, whereas the ones in Mexico and Costa Rica are summer programs. All majors are required to participate in study abroad; nonmajors are also accepted into these programs. The 18 semester hours in Spain, 7 semester hours in Mexico, or 4 semester hours in Costa Rica are applicable to a major or a minor in Spanish. Students interested in more information should contact the Spanish and Classical Languages Department.

Internships: Internships in Spain, Mexico, and Costa Rica are available through the department. All internships take place during the summer and vary from six weeks to two months in duration. Internship is a credit-bearing course, SPAN 493, and all interns are enrolled in the first session of summer school. Noncredit internships cannot be considered. Students enrolled in the Spanish for International Trade program are strongly urged to do an internship in order to gain credibility in the field of international business. Internships are available in banking, government, social work, communications, education, marketing, and many other fields. Arranging an internship abroad takes considerable long-range planning, and anyone interested should contact the Department of Spanish and Classical Languages at least three months in advance.

Proposed Catalog Description:

The Department of Spanish offers a varied curriculum designed to provide not only basic language instruction in Spanish, but also the more advanced competencies needed by language specialists and students hoping to take advantage of an international study experience. For the undergraduate Spanish major, the department has three degree programs: the B.S. in Education, the B.A. degree in Spanish, and the B.A. degree in Spanish for International Trade. The latter degree program provides solid undergraduate degree training preparatory to an M.B.A. in International Management.

Students majoring in Spanish will acquire proficiency in all phases of the language and enter more deeply into the history, culture, and literature of Spanish-speaking countries. Spanish majors generally find employment in government work, librarianship, journalism, foreign trade, airlines, tourism, business, criminology, and teaching. Students choosing careers as secondary school teachers will find the close supervision and advanced methodology offered by the department a distinct asset.

College Language Requirements

Students in the College of Natural Sciences and Mathematics and College of Humanities and Social Sciences, who must pass an intermediate-level language course requirement for graduation, may choose any one of the four languages offered by the Foreign Language departments: French, German, Italian, and Spanish. Those choosing the Spanish option will fulfill the requirement by successfully completing SPAN 201 or 211*. The student with no previous foreign language study will take SPAN 101-102 or SPAN 111* as a prerequisite; the semester hours will not be applicable to any college or department requirements (except for students in Hospitality Management who may fulfill their 3-9-semester hour language requirement with SPAN 111* or 211* or SPAN 131-132 or with two 4-semester-hour courses) but may be counted as general electives in the total required for graduation. Students in the other colleges may choose to take one of the languages offered (at the intermediate level) in fulfilling the requirements of Liberal Studies electives.

*Course is currently inactive.

Students with previous Spanish study in high school will be placed into the appropriate course levels by means of a written departmental exam, administered prior to the beginning of the semester. Students who have taken an OPI (ACTFL Oral Proficiency Interview) in addition to the departmental placement exam, and placed at the Intermediate-Mid level, may receive 4 credits for either SPAN 102 or 201 depending on their placement on the written exam. In addition, as deemed necessary, especially in the case of native or heritage speakers, students' writing and speaking proficiency will be assessed by one or more faculty members in the Spanish department. Each student's individual requirements and the judgment of the classroom instructors will also be considered in placement. Native or heritage speakers are not eligible for credit on the basis of an OPI. No student will be allowed to register for or take a D/F repeat in SPAN 101, 102 or 201 when credit has already been received for a higher numbered course.

Spanish for Elementary Education

A student in Elementary Education may elect a concentration of 19 semester hours of Spanish, consisting of the following:

SPAN 201	or equivalent	4cr
SPAN 221	Intermediate Spanish Conversation	3cr
SPAN 230	Intermediate Spanish Composition	3cr
SPAN 260	Introduction to Hispanic Literature	3cr
SPAN 321	Advanced Spanish Conversation	3cr
SPAN 404	Advanced Spanish Grammar	3cr

Elementary Education students wishing to prepare to teach in elementary programs where content teaching in Spanish is the objective should enroll in the Foreign Languages and International Studies for Elementary Teaching (FLISET) program described under the Department of Professional Studies in Education.

Study Abroad and Internships

Study Abroad: The university has established study-abroad centers in Spain, Mexico, and Costa Rica. The program in Valladolid, Spain, is a second-semester-only program, whereas the ones in Mexico and Costa Rica are summer programs. All majors are required to participate in study abroad; nonmajors are also accepted into these programs. The 18 semester hours in Spain, 7 semester hours in Mexico, or 4 semester hours in Costa Rica are applicable to a major or a minor in Spanish. Students interested in more information should contact the Spanish Department.

Internships: Internships in Spain, Mexico, and Costa Rica are available through the department. All internships take place during the summer and vary from six weeks to two months in duration. Internship is a credit-bearing course, SPAN 493, and all interns are enrolled in the first session of summer school. Noncredit internships cannot

be considered. Students enrolled in the Spanish for International Trade program are strongly urged to do an internship in order to gain credibility in the field of international business. Internships are available in banking, government, social work, communications, education, marketing, and many other fields. Arranging an internship abroad takes considerable long-range planning, and anyone interested should contact the Department of Spanish at least three months in advance.

Rationale: Since Latin and Greek are no longer offered, all references to Latin, Greek, and Classical Languages have been eliminated. Additionally we are adding statements about credits for the Oral Proficiency Interview. This is a move that is taking place nationally as an incentive for high school students to study foreign languages at a higher level. Currently the organization of foreign language departments in the State System is studying the possibility of proposing this change at the System level. The offering of credit is seen as a stimulus to study, and therefore it would be inappropriate to grant credit to native or heritage (U.S. born children of native speakers). Lastly, the limitation on D/F repeats is needed because students whose Spanish is at a more advanced level (advanced enough to have been successful in a higher level course) intimidate students who are learning material for the first time and interfere with their learning process.

C. Program Revisions:

Current Program:

BS in Education—Secondary Spanish Education (*)

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Social Science: ANTH 110, PSYC 101

Liberal Studies Electives: MATH course (1), no courses with SPAN prefix

College:

Pre-Professional Educational Sequence:

COMM 103 Digital Instructional Technology 3sh
 EDSP 102 Educational Psychology 3sh
 FDED 102 American Education in Theory and Practice 3sh

Professional Education Sequence:

EDEX 301 Education of Students with Disabilities in Inclusive Secondary Schools 2sh
 EDSP 477 Assessment of Student Learning: Design and Interpretation of Educational Measures 3sh
 EDUC 242 Pre-Student Teaching and Clinical Exp I 1sh
 EDUC 342 Pre-Student Teaching and Clinical Exp II 1sh
 EDUC 441 Student Teaching 12sh
 EDUC 442 School Law 1sh
 EDUC 453 Teaching of Foreign Languages in the Secondary School 3sh
 EDUC 499 Multicultural/Multiethnic Education 2sh

Major:

Study Abroad (2)

Required Courses:

SPAN 201 Intermediate Spanish or equivalent 4sh
 SPAN 221 Intermediate Spanish Conversation 3sh
 SPAN 230 Intermediate Spanish Composition 3sh
 SPAN 260 Introduction to Hispanic Literature 3sh
 SPAN 321 Advanced Spanish Conversation 3sh
 SPAN 340 Hispanic Civilization Through the 19th Century 3sh
 SPAN 342/344 20th Century Spanish Civilization and Culture/20th Century Spanish-American Civilization and Culture 3sh
 SPAN 404 Advanced Spanish Grammar 3sh

Proposed Program:

BS in Education—Secondary Spanish Education (*)

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: 3cr

Social Science: ANTH 110, PSYC 101

Liberal Studies Electives: 9cr, MATH course (1), no courses with SPAN prefix

College:

Pre-Professional Educational Sequence:

COMM 103 Digital Instructional Technology 3cr
 EDSP 102 Educational Psychology 3cr

Professional Education Sequence:

EDEX 301 Education of Students with Disabilities in Inclusive Secondary Schools 2cr
 EDSP 477 Assessment of Student Learning: Design and Interpretation of Educational Measures 3cr
 EDUC 242 Pre-Student Teaching and Clinical Exp I 1cr
 EDUC 342 Pre-Student Teaching and Clinical Exp II 1cr
 EDUC 441 Student Teaching 12cr
 EDUC 442 School Law 1cr
 EDUC 453 Teaching of Foreign Languages in the Secondary School 3cr

Major:

Study Abroad (2)

Required Courses:

SPAN 201 Intermediate Spanish or equivalent 4cr
 SPAN 221 Intermediate Spanish Conversation 3cr
 SPAN 230 Intermediate Spanish Composition 3cr
 SPAN 260 Introduction to Hispanic Literature 3cr
 SPAN 321 Advanced Spanish Conversation 3cr
 SPAN 340 Hispanic Civilization Through the 19th Century 3cr
 SPAN 342/344 20th Century Spanish Civilization and Culture/20th Century Spanish-American Civilization and Culture 3cr
 SPAN 404 Advanced Spanish Grammar 3cr

Controlled Electives:
 Any other 3sh from SPAN 300 or above 3sh
 SPAN 362, 364 or a 400-level literature class 3sh
Other Requirements: 0

Free Electives: 0-2

(#)Total Degree Requirements: 124-126

- (*) See requirements leading to teacher certification, titled "Admission to Teacher Education," in the College of Education and Educational Technology section of this catalog.
- (1) Students who do not wish to select a MATH course under the Liberal Studied Electives must still take a second MATH course in order to fulfill the state requirements
- (2) Students in the B.S. Ed. Secondary Spanish major must successfully complete a program of language study in a Spanish-speaking county. This program must, as a minimum, last four weeks and carry 3 or more sh extending beyond the intermediate level. Students may fulfill this requirement by participating in any of IUP's study abroad programs in Spain, Mexico, or Costa Rica or by transferring credits from another accredited program. Students wishing to fulfill this requirement through a non-IUP program should obtain prior approval from the department. Based on demonstration of adequate oral proficiency and significant cross-cultural experience, students may be exempted from this requirement with the approval of the advisor.

Current Program:

BA—Spanish

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: 53-55

Liberal Studies Electives: no courses with SPAN prefix

College: 0
 Foreign Language (included in major)

Major: 37
 Study Abroad (1)

Required Courses:

SPAN 201	Intermediate Spanish or equivalent	4sh
SPAN 221	Intermediate Spanish Conversation	3sh
SPAN 230	Intermediate Spanish Composition	3sh
SPAN 260	Introduction to Hispanic Literature	3sh
SPAN 321	Advanced Spanish Conversation	3sh
SPAN 340	Hispanic Civilization Through the 19 th Century	3sh
SPAN 342/344	20 th Century Spanish Civilization and Culture/20 th -Century Spanish-American Civilization and Culture	3sh
SPAN 404	Advanced Spanish Grammar	3sh

Controlled Electives:
 At least two SPAN courses from those numbered 410-431 6sh
 Any other 6sh in SPAN courses 342 or above 6sh

Other Requirements: 0

Controlled Electives:
 Any other 3cr from SPAN 300 or above 3cr
 SPAN 362, 364, or a 400-level literature course 3cr

Free Electives: enough credits beyond those listed above to total 120 credits. 1

(#)Total Degree Requirements: 120

- (*) See requirements leading to teacher certification, titled "Admission to Teacher Education," in the College of Education and Educational Technology section of this catalog.
- (1) Students who do not wish to select a MATH course under the Liberal Studied Electives must still take a second MATH course in order to fulfill the state requirements
- (2) Students in the B.S. Ed. Secondary Spanish major must successfully complete a program of language study in a Spanish-speaking county. This program must, as a minimum, last four weeks and carry 3 or more cr extending beyond the intermediate level. Students may fulfill this requirement by participating in any of IUP's study abroad programs in Spain, Mexico, or Costa Rica or by transferring credits from another accredited program. Students wishing to fulfill this requirement through a non-IUP program should obtain prior approval from the department. Based on demonstration of adequate oral proficiency and significant cross-cultural experience, students may be exempted from this requirement with the approval of the advisor.

Proposed Program:

BA—Spanish

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: 53

Mathematics: 3cr
Liberal Studies Electives: 9cr, no courses with SPAN prefix

College: 0
 Foreign Language (included in major)

Major: 37
 Study Abroad (1)

Required Courses:

SPAN 201	Intermediate Spanish or equivalent	4cr
SPAN 220	Intermediate Spanish Grammar and Conversation	3cr
SPAN 230	Intermediate Spanish Composition	3cr
SPAN 260	Introduction to Hispanic Literature	3cr
SPAN 321	Advanced Spanish Conversation	3cr
SPAN 340	Hispanic Civilization Through the 19 th Century	3cr
SPAN 342/344	20 th Century Spanish Civilization and Culture/20 th -Century Spanish-American Civilization and Culture	3cr
SPAN 362/364	Survey of Peninsular Literature/ Survey of Spanish American Literature	3cr
SPAN 404	Advanced Spanish Grammar	3cr

Controlled Electives:
 At least two literature courses from those numbered 410-481 6cr
 Any other 3cr in SPAN courses 342 or above except SPAN 390 3 cr

Free Electives: 32-34

Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements: 124-126

Total Degree Requirements: 120

(1) Students in the B.A. Spanish major must successfully complete a program of language study in a Spanish-speaking county. This program must, as a minimum, last four weeks and carry 3 or more sh extending beyond the intermediate level. Students may fulfill this requirement by participating in any of IUP's study abroad programs in Spain, Mexico, or Costa Rica or by transferring credits from another accredited program. Students wishing to fulfill this requirement through a non-IUP program should obtain prior approval from the department. Based on demonstration of adequate oral proficiency and significant cross-cultural experience, students may be exempted from this requirement with the approval of the advisor.

(1) Students in the B.A. Spanish major must successfully complete a program of language study in a Spanish-speaking county. This program must, as a minimum, last four weeks and carry 3 or more cr extending beyond the intermediate level. Students may fulfill this requirement by participating in any of IUP's study abroad programs in Spain, Mexico, or Costa Rica or by transferring credits from another accredited program. Students wishing to fulfill this requirement through a non-IUP program should obtain prior approval from the department. Based on demonstration of adequate oral proficiency and significant cross-cultural experience, students may be exempted from this requirement with the approval of the advisor.

Rationale: SPAN 362/364 Survey of Peninsular Literature or Spanish American Literature is being added because many of our majors currently proceed directly from SPAN 260 (Introduction to Literature) to the 400 level literature courses without taking a 300 level literature course. Thus, they lack background in the field of literature as well as practice analyzing works of literature. Students will be much better prepared for 400 level literature courses if they take one of the survey of literature courses first as a bridge between the 200 and the 400 levels. Also, if they take either SPAN 362 or SPAN 364, they are assured of receiving an overview of literature in Spanish through several centuries. The changes in the 400 level requirement for the Controlled Electives reflect the original intent, which was for students to take 400 level literature courses. We have added two 400 level courses within the original number range that are not literature courses. By adding the mention of 481 courses, all literature courses at this level are included. The number of 342 or above controlled electives is reduced because of adding the 362/364 requirement. SPAN 390 is excluded (as it should have been originally) because this methodology course is not taught in Spanish. Free electives are being reduced by four credits, which will make free electives 30 credits.

Current Program:

BA—Spanish for International Trade

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:
Mathematics: MATH 121
Social Sciences: ECON 121, PSYC 101
Liberal Studies Electives: BTED/COSC/ IFMG 101. GEOG 252, MATH 214, no courses with SPAN prefix

College: 0
 Foreign Language (included in major)

Major: 34
 Study Abroad (1)
Required courses:
 SPAN 201 or equivalent 4sh
 SPAN 222 Intermediate Spanish Conversation-Business 3sh
 SPAN 230 Intermediate Spanish Composition 3sh
 SPAN 260 Introduction to Hispanic Literature 3sh
 SPAN 321 Advanced Spanish Conversation 3sh
 SPAN 340 Hispanic Civilization through the 19th Century 3sh
 SPAN 342/344 20th Century Spanish Civilization/ 20th Century Spanish American Civilization 3sh
 SPAN 354 Commercial Spanish 3sh
 SPAN 404 Advanced Spanish Grammar 3sh

Controlled electives: 6sh
 Other Spanish electives:

Proposed Program:

BA—Spanish for International Trade

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: **52**
Mathematics: MATH 115
Social Sciences: ECON 121, PSYC 101
Liberal Studies Electives: 6cr, BTED/COSC/ IFMG 101. MATH 214, no courses with SPAN prefix

College: 0
 Foreign Language (included in major)

Major: 30
 Study Abroad (1)
Required courses:
 SPAN 222 Intermediate Spanish Conversation-Business (2) 3cr
 SPAN 230 Intermediate Spanish Composition 3cr
 SPAN 260 Introduction to Hispanic Literature 3cr
 SPAN 321 Advanced Spanish Conversation 3cr
 SPAN 340 Hispanic Civilization through the 19th Century 3cr
 SPAN 344 20th Century Spanish American Civilization 3cr
 SPAN 321 Advanced Spanish Conversation 3cr
 SPAN 354 Commercial Spanish 3cr
 SPAN 404 Advanced Spanish Grammar 3cr

Controlled electives:
 Any three Spanish credits in courses 362 or above except SPAN 390

Other Requirements: Business sequence

ACCT 201	Accounting Principles I	3sh
ACCT 202	Accounting Principles II	3sh
BLAW 235	Introduction to Business Law	3sh
BTST 321	Business and Interpersonal Communications	3sh
ECON 122	Principles of Economics II	3sh
FIN 310	Finance I	3sh
IFMG 300	Information Systems: Theory and Practice	3sh
MGMT 311	Human Behavior in Organizations	3sh
MGMT 330	Production and Operations Management	3sh
MGMT 495	Business Policy	3sh
MKTG 320	Principles of Marketing	3sh
QBUS 215	Business Statistics	3sh

36 Other Requirements: Business sequence

ACCT 201	Accounting Principles I	36
ACCT 202	Accounting Principles II	3cr
BLAW 235	Introduction to Business Law	3cr
BTST 321	Business and Interpersonal Communications	3cr
ECON 122	Principles of Economics II	3cr
FIN 310	Finance I	3cr
IFMG 300	Information Systems: Theory and Practice	3cr
MGMT 311	Human Behavior in Organizations	3cr
MGMT 330	Production and Operations Management	3cr
MGMT 495	Business Policy	3cr
MKTG 320	Principles of Marketing	3cr
QBUS 215	Business Statistics	3cr

Free Electives: 0

Total Degree Requirements: 124-126

(1) Students in the B.A. Spanish for International Trade major must successfully complete a program of language study in a Spanish-speaking county. This program must, as a minimum, last four weeks and carry 3 or more sh extending beyond the intermediate level. Students may fulfill this requirement by participating in any of IUP’s study abroad programs in Spain, Mexico, or Costa Rica or by transferring credits from another accredited program. Students wishing to fulfill this requirement through a non-IUP program should obtain prior approval from the department. Based on demonstration of adequate oral proficiency and significant cross-cultural experience, students may be exempted from this requirement with the approval of the advisor.

Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements: 120

(1) Students in the B.A. Spanish for International Trade major must successfully complete a program of language study in a Spanish-speaking county. This program must, as a minimum, last four weeks and carry 3 or more cr extending beyond the intermediate level. Students may fulfill this requirement by participating in any of IUP’s study abroad programs in Spain, Mexico, or Costa Rica or by transferring credits from another accredited program. Students wishing to fulfill this requirement through a non-IUP program should obtain prior approval from the department. Based on demonstration of adequate oral proficiency and significant cross-cultural experience, students may be exempted from this requirement with the approval of the advisor.

Rationale: The math requirement has changed to match the current college of business requirement. Liberal Studies Electives are going from 9cr to 6cr. Intermediate Spanish credits are dropping out of the core. Free electives will now be 2 credits.

20. Department of Technology Support and Training—New Courses, Course Changes, Program Revisions

PASSED

A. Two New Courses

BTED 370 Technology Applications for Education

3c-01-3cr

Provides a prospective business educator with concepts, applications, and methodologies needed to be effective in today’s classroom including advanced web page coding, advanced computer applications, creation of an inquiry-oriented activity in which the information that learners interact with comes from Internet resources, and a learned society’s rules for records management. It also includes instruction in the pedagogy of computer applications. The end product of the course will be additions to students’ e-portfolios.

Rationale: This course will enhance the software skills of Business education majors as well as provide an opportunity to add to their electronic portfolios that are mandated by the National Council on Accrediting Teacher Education (NCATE), the accrediting body for this major, and by the Pennsylvania Department of Education.

BTST 401 Web Design

3c-01-3cr

Focuses on web design research and experimentation with basic to leading-edge design techniques enabling the creation of user-focused web sites. Emphasis on web design techniques resulting in fast

loading and well placed graphics, cohesive color and typography across platforms and browsers, clear navigational interface, and appropriate use of sound, animation, and video. A variety of software production programs will be introduced and used.

Rationale: This course will be available for Business Technology Support, Business Education, and Business majors as a controlled elective. It will also be open as an elective for students from other majors outside of the College of Business and Information Technology.

B. Course Changes:

1) Course Revision, Course Number and Title Changes, and Catalog Description Change

Current Catalog Description:

BTST 313 Office Systems Technologies

Prerequisite: Junior Standing

The emphasis will be on systems hardware, especially the microcomputer. Concepts and design principles common to all microprocessors are studied. Auxiliary hardware, such as reprographics, printers, modems, scanners and laser technology will be included.

Proposed Catalog Description:

BTST 273 Hardware Support Solutions

Prerequisite: BTED/COSC/IFMG 101

The emphasis will be on systems hardware, especially the microcomputer. Concepts and design principles common to all microprocessors are studied. Auxiliary hardware such as printers, modems, scanners and laser technology will be included. Basic network technology concepts and peer-to-peer network configuration, maintenance and troubleshooting will also be included.

Rationale: The course number was changed as a result of significant revisions and a course number change to Microcomputer Software Solutions. Because the changes to Microcomputer Software Solutions reflect a higher level of knowledge in terms of software maintenance and troubleshooting, and because of the need to provide a 200-level course serving the various programs in the department, it was felt that Hardware Support Solutions better served the needs of students from all majors to provide exposure to both computer hardware and software. Moderate revisions were made to course content so that it more effectively fits in with TST, Business Education, and COIS programs of study.

2) Course Revision, Title, Number, and Catalog Description Change

Current Catalog Description:

BTED 130 Keyboarding

1c-01-1sh

Exception: Course is open to students in all colleges without restriction.

Designed to provide students with the fundamental skills to keyboard information quickly and accurately in fourteen one-hour sessions. It is intended for the student who does not require the additional skills included in keyboarding and document formatting, such as letter formats, manuscript typing, and tabulation. Recommended for students in computer science, journalism, management information systems, criminology, etc.

Proposed Catalog Description:

BTED 309 Keyboarding for Educators

1c-01-1cr

Corequisite: BTED 312

Designed to provide business education students with the fundamental skills to keyboard information quickly and accurately. Students are introduced to the basic pedagogy of keyboarding in a K-12 classroom. Techniques of basic formatting, speed, and accuracy building are also covered. Course is open to business education majors only.

Rationale: The department no longer teaches keyboarding and document formatting as a standalone course; however, department faculty deemed it necessary for business education majors to have one credit of keyboarding to aid them in meeting certification requirements and accreditation standards. Adding a corequisite of the first course in methods will enable students to learn about one topic of certification while adding the pedagogical skills to teach that topic.

3) Course Revision**Current Catalog Description:****BTST 310 Telecommunications****3c-01-3sh****Prerequisite:** BTED/COSC/IFMG 101

Provides an introduction to telecommunications in the business environment. Includes an overview of electronic communication systems including a conceptual framework as well as hands-on experience. Concepts of telecommunications technology, applications, and management as they apply to business and industry will be addressed.

Proposed Catalog Description:**BTST 310 Telecommunications****3c-01-3cr****Prerequisite:** BTED/COSC/IFMG 101

Provides an introduction to telecommunications in the business environment. Includes an overview of electronic communication systems including a conceptual framework as well as hands-on experience. Concepts of telecommunications technology, applications, and management as they apply to business and industry will be addressed.

Rationale: Many changes have occurred within telecommunications since the last revision to the syllabus of record. Therefore, course content was updated to reflect those changes.

4) Course Revision and Course Title Change**Current Catalog Description:****BTED 312 Methods and Evaluation in Business and Marketing Education** **3c-01-3cr****Prerequisites:** BTED 311, EDSP 102

The emphasis is placed on the development of methods and strategies for making effective classroom presentations and working with students in both the skill and cognitive areas. Students will be provided opportunities to undertake the many responsibilities assigned to the business classroom teacher.

Proposed Catalog Description:**BTED 312 Methods in Business and Information Technology II****3c-01-3cr****Prerequisites:** BTED 311

Corequisite: BTED 309 Keyboarding for Educators

Emphasis is placed on the development of methods and strategies for making effective classroom presentations and working with students in both the skill and cognitive areas. Students will be provided opportunities to undertake the many responsibilities assigned to the business classroom teacher.

Rationale: Adding a corequisite of BTED 309 Keyboarding for Educators allows the students to integrate the techniques and pedagogy skills of teaching keyboarding with the development of lesson and unit plans taught in BTED312. Taking both courses at the same time will enhance learning potential. The course has been updated and the title changed to reflect changes in the field.

5) Course Revision, Course Number, and Catalog Description Change**Current Catalog Description:****BTST 283 Microcomputer Software Solutions****3c-01-3sh****Prerequisite:** BTED/COSC/IFMG 101 or permission of instructor

Advanced utilization of the microcomputer to enhance productivity of office employees: executive and managerial, professional, and support personnel through optimization of hardware and software. Comparative and evaluative techniques for appropriate selection and implementation of software. Operating environment, integrated suites, multimedia, internet, and utility software will be emphasized.

Proposed Catalog Description:**BTST 383 Microcomputer Software Solutions****3c-01-3cr****Prerequisite:** BTST 273 or permission of instructor

Offers an in-depth study of all the salient functions and features of selecting, installing, configuring, and maintaining the microcomputer operating systems and resolving conflicts. Students will also develop skills for installing, customizing and optimizing a variety of application, multimedia, Internet and utility software programs, as well as configuring, managing and troubleshooting PC security issues.

Rationale: Many changes have occurred within the area of technology since the construction of the old syllabus of record. For example, the move toward networked enterprises is reflected within the updated course content. Due to significant revisions made to the course, the course number changed to the 300-level to more logically align subject matter among major courses within the curriculum. The revisions made reflect a higher level of knowledge in terms of software maintenance and troubleshooting than previously offered in the course.

6) Course Revision, Course Title and Catalog Description Change**Current Catalog Description:****BTST 411 Microcomputer Support****3c-01-3sh****Prerequisites:** BTST 283, 313, and 400

Includes three dimensions of study relative to office systems--helpdesk management, training and development, and ergonomics. Incorporates practical applications for delivering technical support through the operation of a helpdesk. Requires development and delivery of technological applications and a field study of ergonomic office designs.

Proposed Catalog Description:**BTST 411 Technology Support Development****3c-01-3cr****Prerequisites:** BTST 273, 383 and COSC/IFMG 352**Corequisite:** BTST 413

Includes dimensions of study relative to a technical support center—facilities management, workplace ergonomics, end-user needs assessment, and end-user support. Incorporates practical applications for building customer care, technical, and reporting skills through the development of various projects, including needs analysis, computer documentation, ergonomic facility design, and project management.

Rationale: The course title was changed to indicate changes in the field that are more broad based in end-user support. That is to say that in the workplace end-user support is less specialized as the word “microcomputer” would indicate and more generalized as the word “technology” would signify. The corequisite of BTST 413 was added so that the two classes could be taken simultaneously, be taught from the same textbook, and work on some of the same projects in such a way as to make both of the classes more meaningful to the students. Additionally, students will become more aware of the connections to be made between hardware/software installation, security, and troubleshooting, and end-user support.

7) Course Revision and Catalog Description Change**Current Catalog Description:****BTST 413 Enterprise Technology Support****3c-01-3sh****Prerequisite:** BTST 313, COSC/IFMG 352, or permission of instructor

Provides a comprehensive and practical knowledge of enterprisewide technology. Topics covered include knowledge management, remote user support, teleconferencing, and network management and enhancement. Students will have hands-on experience working with software, customizing user environments, managing technology security, and enhancing and troubleshooting the computing environment.

Proposed Catalog Description:**BTST 413 Enterprise Technology Support****3c-01-3cr****Prerequisites:** BTST 273, BTST 383, COSC/IFMG 352 or permission of instructor**Corequisite:** BTST 411

Provides a comprehensive and practical knowledge of enterprisewide technology. Topics covered include knowledge management, remote user support, teleconferencing, and network management and enhancement. Students will have hands-on experience working with software, customizing user environments, managing technology security, and enhancing and troubleshooting the computing environment.

Rationale: The corequisite of BTST 413 was added so that the two classes could be taken simultaneously, be taught from the same textbook, and work on some of the same projects in such a way as to make both of the classes more meaningful to the students. Additionally, students will become more aware of the connections to be made between hardware/software installation, security, and troubleshooting, and end-user support. Course objectives, course outline, textbooks

and bibliography were changed to reflect current technology.

C. Catalog Description Change:

Current Catalog Description:

The Business Technology Support majors are equipped to be versatile professionals who “bridge the gap” between the developers of information technology systems and the typical users of computers. The program encompasses the knowledge, skills, and attitudes required of a professional who provides support to users of information technology to maintain and improve overall organizational effectiveness. The Business Technology Support program places emphasis on understanding how technology contributes to individual and work group performance and to behavioral factors, such as communications, ergonomics, training, and change.

The Business Technology Support curriculum is designed to challenge students to understand their dynamic role from both an organizational and individual viewpoint. Graduates of the program can pursue career paths such as office managers/supervisors, website managers, technology trainers, help desk administrators, and documentation/curriculum developers as they relate to enterprise-wide solutions, support services, and technology training.

The department welcomes minors. A newly revised minor provides Business majors with the opportunity to complement their major with business technology support courses.

Proposed Catalog Description:

The Business Technology Support majors are equipped to be versatile professionals who “bridge the gap” between the developers of information technology systems and the typical users of computers. The program encompasses the knowledge, skills, and attitudes required of a professional who provides support to users of information technology to maintain and improve overall organizational effectiveness. The Business Technology Support program places emphasis on understanding how technology contributes to individual and work group performance and to behavioral factors, such as communications, ergonomics, training, and change.

The Business Technology Support curriculum is designed to challenge students to understand their dynamic role from both an organizational and individual viewpoint. Graduates of the program can pursue career paths such as website managers, technology trainers, help desk administrators, e-business designers, local area network administrators, and documentation/curriculum developers as they relate to enterprise-wide solutions, support services, and technology training.

The department welcomes minors. A minor provides Business majors with the opportunity to complement their major with business technology support courses.

D. Program Revisions

Current Program:

BS—Business Technology Support

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 121

Social Science: ECON 121, PSYC 101

Liberal Studies Electives: BTED/COSC/IFMG 101, ECON 122, MATH 214, no courses with BTST prefix

Proposed Program:

BS—Business Technology Support

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 115

Social Science: ECON 121, PSYC 101

Liberal Studies Electives: 9cr, BTED/COSC/IFMG 101, ECON 122, MATH 214, no courses with BTST prefix

55-58

55

College: Business Administration Core **33**
Required Courses:
 ACCT 201 Accounting Principles I 3sh
 ACCT 202 Accounting Principles II 3sh
 BLAW 235 Legal Environment of Business 3sh
 BTST 321 Business and Interpersonal Communication 3sh
 FIN 310 Finance I 3sh
 IFMG 300 Info Systems: Theory and Practice 3sh
 MGMT 310 Principles of Management 3sh
 MGMT 330 Production and Operations Mgmt 3sh
 MGMT 495 Business Policy 3sh
 MKTG 320 Principles of Marketing 3sh
 QBUS 215 Business Statistics 3sh

Major: **33**
Required Courses:
 BTST 283 Microcomputer Software Solutions 3sh
 BTST 310/w/ Telecommunications 3sh
 BTST 311 Training Methods in Business and Information Technology Support 3sh
 BTST 313 Office Systems Technologies 3sh
 BTST 411 Microcomputer Support for OSYS 3sh
 BTST 413 Enterprise Technology Support 3sh
 BTST 480 Seminar in Business Technology Support 3sh
 COSC/IFMG 352 Computer Network Installation and Administration 3sh

Controlled Electives: (select three of the following): 9sh
 BTED 201 Internet and Multimedia
 BTST 221 Business Technical Writing
 COSC 110 Problem Solving and Structured Programming
 COSC 304 Interactive Internet Programming with Java
 IFMG 251 Business Systems Analysis and Design
 BTST 402 Website Development and Administration
 BTST 493 Internship

Other Requirements: **0**

Non-Business Electives: **2-5**

Total Degree Requirements: **124**

Current Program:
BS in Education—Business Education (*)

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:
Mathematics: MATH 115

Social Science: ECON 121, PSYC 101
Liberal Studies Electives: BTED/COSC/IFMG 101, ECON 122, MATH 214, no courses with BTED prefix

College: **32**
Professional Education Sequence:

College: Business Administration Core **33**
Required Courses:
 ACCT 201 Accounting Principles I 3cr
 ACCT 202 Accounting Principles II 3cr
 BLAW 235 Legal Environment of Business 3cr
 BTST 321 Business and Interpersonal Communication 3cr
 FIN 310 Finance I 3cr
 IFMG 300 Info. Systems: Theory and Practice 3cr
 MGMT 310 Principles of Management 3cr
 MGMT 330 Production and Operations Management 3cr
 MGMT 495 Business Policy 3cr
 MKTG 320 Principles of Marketing 3cr
 QBUS 215 Business Statistics 3cr

Major: **30**
Required Courses:
 BTST 273 Hardware Support Solutions 3cr
 BTST 310/w/ Telecommunications 3cr
 BTST 311 Training Methods in Business and Information Technology Support 3cr
 BTST 383 Microcomputer Software Solutions 3cr
 BTST 411 Technology Support Development 3cr
 BTST 413 Enterprise Technology Support 3cr
 BTST 480 Seminar in Business Technology Support 3cr
 COSC/IFMG 352 Computer Network Installation and Administration 3cr

Controlled Electives: (select two of the following): 6cr
 BTED 201 Internet and Multimedia
 COSC 110 Problem Solving and Structured Programming
 COSC 304 Interactive Internet Programming with Java
 BTED 401 Web Design
 BTST 402 Website Development and Administration
 BTST 493 Internship

Free Electives: enough credits beyond those listed above to total 120 credits. (1)

Total Degree Requirements: **120**

(1) Business Technology and Support majors are required to take a minimum of 50 percent of their degree requirements—i.e., a minimum of 60 credit hours – in nonbusiness coursework. ECON 121 and 122 will be considered "nonbusiness" for purposes of this calculation.

Proposed Program:
BS in Education—Business Education (*) (1)

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:
Mathematics: MATH 101 or higher

Natural Science: Option I recommended
Social Science: ECON 121, PSYC 101
Liberal Studies Electives: 6cr, ECON 122, MATH, no courses with BTED prefix

College: **29**
Professional Education Sequence:

BTED 311	Methods and Evaluation in Business and Marketing Education I	3sh
BTED 312	Methods and Evaluation in Business and Marketing Education II	3sh
COMM 103	Digital Instructional Technology	3sh
EDEX 301	Education of Students with Disabilities in Inclusive Secondary Schools	2sh
EDSP 102	Educational Psychology	3sh
EDUC 242	Pre-Student Teaching and Clinical Exp I	1sh
EDUC 342	Pre-Student Teaching and Clinical Exp II	1sh
EDUC 441	Student Teaching	12sh
EDUC 442	School Law	1sh
FDED 102	American Education in Theory and Practice	3sh

Major: 45-48
Required Courses: Business Education Core

ACCT 201	Accounting Principles I	3sh
ACCT 202	Accounting Principles II	3sh
BLAW 235	Legal Environment of Business	3sh
BTED 132	Computer Keyboarding and Formatting	3sh
BTST 101	Introduction to Business	3sh
BTST 321	Business and Interpersonal Communication	3sh
IFMG 300	Info Systems: Theory and Practice	3sh
MKTG 320	Principles of Marketing	3sh

Controlled Electives: 21-24sh

- Areas of Certification (1)(2)
- Accounting: ACCT 300, 304, 421
- Data Processing: IFMG 205, 251, and one approved Programming elective
- Distributive Education: DEDU 413, MKTG 421, 433 one MKTG elective (advisor approved)
- Marketing: DEDU 331, MKTG 435, MKTG 436
- Office Technologies: BTED 250, BTST 283, 313, 400
- Secretarial: BTED 260, 261, 262 (2)

Other Requirements: 0

Free Electives: 0

(#)Total Degree Requirements: 130-132

- (*) See requirements leading to teacher certification, titled "Admission to Teacher Education," in the College of Education and Educational Technology section of this catalog.
- (1) According to Pennsylvania Commonwealth guidelines, students must be certified in office technologies and at least one other area (accounting, data processing, marketing, or secretarial). An exception to this is certification in marketing/distributive education.
- (2) Pennsylvania commonwealth guidelines have changed. A program revision is forthcoming.
- (3) Students can transfer credit from another regionally accredited institution.
- (#) See advisory paragraph "Timely Completion of Degree Requirements" in the section on Requirements for Graduation.

BTED 311	Methods and Evaluation in Business and Information Technology I	3cr
BTED 312	Methods and Evaluation in Business and Information Technology II	3cr
EDEX 301	Education of Students with Disabilities in Inclusive Secondary Schools	2cr
EDSP 102	Educational Psychology	3cr
EDSP 477	Assessment of Student Learning: Design and Interpretation of Educational Measures	3cr
EDUC 242	Pre-Student Teaching and Clinical Exp I	1cr
EDUC 342	Pre-Student Teaching and Clinical Exp II	1cr
EDUC 441	Student Teaching	12cr
EDUC 442	School Law	1cr

Major: 40
Required Courses: Business Education Core (2)

ACCT 201	Accounting Principles I	3cr
ACCT 202	Accounting Principles II	3cr
BLAW 235	Legal Environment of Business	3cr
BTED 309	Keyboarding for Educators	1cr
BTST 101	Introduction to Business	3cr
BTST 321	Business and Interpersonal Communication	3cr
IFMG 300	Info Systems: Theory and Practice	3cr
MKTG 320	Principles of Marketing	3cr

Select from one of the following two certification options:

Business, Computer, and Information Technology Certification: 18cr

BTED/COSC/IFMG 101	Microbased Computer Literacy	3cr
BTED 370	Technology Applications for Education	3cr
BTST 273	Hardware Support Solutions	3cr
BTST 310	Telecommunications	3cr
BTST 383	Microcomputer Software Solutions	3cr
BTST 401	Web Design	3cr

Marketing Education Certification: (3) 18cr

BTED/COSC/IFMG 101	Microbased Computer Literacy	3cr
DEDU 413	Methods and Evaluation in Marketing Education	3cr
MKTG 433	Advertising	3cr
MKTG 435	Professional Selling and Sales Management	3cr
MKTG 436	Retail Management	3cr
	Marketing elective (Advisor Approved)	3cr

Free Electives: enough credits beyond those listed above to total 120 credits.

(#)Total Degree Requirements: 120

- (*) See requirements leading to teacher certification, titled "Admission to Teacher Education," in the College of Education and Educational Technology section of this catalog.
- (1) According to Pennsylvania Commonwealth guidelines, students must be certified in K-12 and not in separate areas. An exception is Marketing Education.
- (2) Students can transfer credit from another regionally accredited institution.
- (3) Students electing for Marketing certification are not required to take BTED 312.
- (#) See advisory paragraph "Timely Completion of Degree Requirements" in the section on Requirements for Graduation.

Rationale: The Commonwealth of Pennsylvania has changed the requirements for certification as a business education teacher. The certifying examination is no longer broken into areas of certification; students are now certified to teach K through 12 in Business, Computer, and Information Technology or Marketing Education. The

revisions to the program that are proposed are made in an effort to meet these new requirements and to better prepare students to pass the certification examination. The revisions are made also in an effort to more fully meet the NCATE accreditation standards. COMM 103 was deleted since the business education program contains adequate technology classes that contain the required pedagogical skills. FDED 102 was deleted. EDSP 477, BTST 273, 310, 383, and 401 were added or revised in course number to more closely meet certification requirements and accreditation standards. BTED 132 was deleted to meet the 120 credit mandate; course content was incorporated into BTED311 and BTED 312. BTED 370 was written as a new course so the program could more closely meet certification requirements and accreditation standards. ACCT 300, 301, 421; IFMG 205, 251; and BTED 250, 260, 261, 262 were deleted since the present Pennsylvania business education certification does not require certification in those individual areas. Free electives will now be 4 credits.

21. Department of Biology—New Courses, Course Changes, Catalog Description Change, and Program Revision

PASSED

A. New Courses

ENVH 281 Special Topics

var-1-3cr

Prerequisite: As appropriate to course content

Special topics are offered on an experimental or temporary basis to explore topics that are not included in the established curriculum. A given topic may be offered under any special topic identity no more than three times. Special topics numbered 281 are offered primarily for lower-level undergraduate students.

ENVH 481 Special Topics

var-1-3cr

Prerequisite: As appropriate to course content

Special topics are offered on an experimental or temporary basis to explore topics that are not included in the established curriculum. A given topic may be offered under any special topic identity no more than three times. Special topics numbered 481 are offered primarily for upper-level undergraduate students.

ENVH 482 Independent Study

var-1-3cr

Prerequisites: Prior approval through advisor, faculty member, department chairperson, dean, and Provost's Office.

Students with interest in independent study of a topic not offered in the curriculum may propose a plan of study in conjunction with a faculty member. Approval is based on academic appropriateness and availability of resources. Work is supervised by a faculty member but does not involve regular class or laboratory hours.

Rationale: The new prefix is being introduced to meet the guidelines of the National Environmental Health Science and Protection Accreditation Council (EHAC). Accreditation will improve student recruitment, internship and funding opportunities, and job placement of graduates. EHAC wants to be able to identify the specific courses in the program and how it is separate from Biology. This major already has a separate code and so the new prefix will align the courses with the existing major code.

B. Course Changes:

1) Course Revision, Course Prefix, Number, Title, and Catalog Description Change

PASSED

Current Catalog Description:

BIOL 321 Environmental Protection I

2c-3l-3sh

Prerequisites: BIOL111-112, CHEM112, Environmental Health major only or permission

Considers the impact of important components of the physical environment on health and deals with principles and methods for identification, evaluation, and control of such health hazards. Major attention to principles and methods of epidemiological investigation. Major credit only for environmental health majors.

Proposed Catalog Description:

ENVH 221 Environmental Health and Protection I

2c-3l-3cr

Prerequisites: BIOL 104 or 112, CHEM 102 or 112

A survey of environmental disease hazards as they relate mostly to the outdoor environment. Environmental health and safety concerns are addressed from the standpoint of their source and nature, human and ecological effects, measurement, and control.

2) Course Revision, Course Prefix, Number, Title, and Catalog Description Change

Current Catalog Description:

BIOL 322 Environmental Protection II

2c-3l-3sh

Prerequisites: BIOL111-112, CHEM112, Environmental Health major only or permission

Subjects receiving attention include water and food supplies, domestic and industrial sewage and wastes, housing, accidents, community air pollution, domestic and industrial poisons, ionizing radiation, occupational health hazards. Major credit only for environmental health majors.

Proposed Catalog Description:

ENVH 222 Environmental Health and Protection II

2c-3l-3cr

Prerequisites: BIOL 104 or 112, CHEM 102 or 112

A survey of environmental disease hazards as they relate mostly to the indoor environment. Environmental health and safety concerns are addressed from the standpoint of their source and nature, human health effects, measurement, and control.

C. Course Deletions—Fall 2003

BIOL 321 Environmental Protection I
BIOL 322 Environmental Protection II

D. Catalog Description Change

Current Catalog Description:

Environmental Health Science Program

This program focuses on environmental and ecological factors as they relate to human well-being, including food safety, clean water and air, vector-borne diseases, and waste management. The Environmental Health program is a preparation for employment in local, state, and federal agencies and industry, as well as graduate school in a public health-related field. Between the junior and senior year, each student should serve an internship in the private or public sector.

Proposed Catalog Description:

Environmental Health Science Program

The environmental health science degree program provides a strong foundation in the natural sciences and mathematics, on which an understanding of environmental health issues is built. The program focuses on environmental factors that can adversely impact human health. Such factors include ambient and indoor air pollutants, food and water contaminants, solid and hazardous wastes, vector-borne and communicable diseases,

housing and shelter hazards, and ecological and global stressors. The curriculum stresses analytical and problem solving skills to identify, evaluate and manage these environmental factors. Graduates are prepared for employment as environmental health specialists and practitioners in industry, government and academia, and for entry into graduate school programs in environmental and public health.

E. Program Revision

Current Program:

BS—Environmental Health

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 121

Natural Science: CHEM 111-112

Social Science: ECON 101

Liberal Studies Electives: BTED/COSC/IFMG 101, MATH 216, PHYS 111

Major:

Required Courses:

BIOL 111	Principles of Biology I	4sh
BIOL 112	Principles of Biology II	4sh
BIOL 210	Botany	3sh
BIOL 220	General Zoology	3sh
BIOL 241	General Microbiology	3sh
BIOL 310	Applied Entomology and Zoonoses	3sh
BIOL 321	Environmental Protection I	3sh
BIOL 322	Environmental Protection II	3sh
BIOL 480	Biology Seminar	1sh

Controlled Electives:

Biology electives: (major courses only)

Other Requirements:

Required Courses:

CHEM 231	Organic Chemistry I	4sh
CHEM 323	Analytical Methods	1sh
PHYS 121	Physics I Lab	3sh
PHYS 112	Physics II Lecture	1sh
PHYS 122	Physics II Lab	3sh
PLSC 250	Public Policy	3sh
SAFE 101	Intro to Occupational Safety and Health	3sh
SAFE 301	Health Hazard Identification	

Controlled Electives:

BIOL 493 Biology Internship (1) or controlled electives (2) 9sh

Foreign Language Intermediate Level (3) 0-6sh

Free Electives:

Total Degree Requirements:

- (1) No more than 6sh total from Independent Study, Special Topics, or Internship applies to major, excess applied as free electives. At least one writing-intensive course within the major (e.g., BIOL 362 or SAFE 462) must be taken to fulfill Liberal Studies requirements.
- (2) The following courses count as controlled electives: BIOL 362, 463, 476, CHEM 232, GEOS 121, 122, 331, SAFE 402, 461, 462.
- (3) See Foreign Language Requirement. Foreign Language courses are counted as free electives.

Proposed Program:

BS—Environmental Health

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 121

Natural Science: CHEM 111-112

Social Science: ECON 101, PSYC 101 or SOC 151

Liberal Studies Electives: 7cr, BTED/COSC/IFMG 101, MATH 216, no courses with ENVH prefix

Major:

Required Courses:

BIOL 111	Principles of Biology I	4cr
BIOL 112	Principles of Biology II	4cr
BIOL 241	General Microbiology	3cr
BIOL 480	Biology Seminar	1cr
BIOL 493	Biology Internship (1)	5cr
ENVH 221	Environmental Health and Protection I	3cr
ENVH 222	Environmental Health and Protection II	3cr
ENVH 323	Introduction to Toxicology and Risk Assessment	3cr
ENVH 460	Fundamentals of Environmental Epidemiology	3cr

Other Requirements:

Required Courses:

CHEM 231	Organic Chemistry I	4cr
PHYS 111	Physics I Lecture	3cr
PHYS 121	Physics I Lab	1cr
PLSC 250	Public Policy	3cr
PLSC 370	Introduction Public Administration or MGMT 310 Principles of Management	3cr
SAFE 101	Introduction to Occupational Safety & Health	3cr
SAFE 210	Environmental Safety and Health Regulations	3cr

Controlled Electives:

Six courses from list: BIOL 220, CHEM 323, ENVH 281, 310, 481, 482, GEOS 121, 122, 331, PHYS 112, 122, RGPL 213, 316, 350, SAFE 301, 402, 461, 462. 18cr

Total Degree Requirements:

- (1) Eligibility for a summer internship requires a minimum GPA of 2.50 and a grade of C or better in all BIOL and ENVH courses.

Rationale: The impetus behind the revised curriculum in Environmental Health Science is to better serve our environmental health majors. The revision is designed to: 1) Maintain a strong foundation in the natural sciences

and math; 2) maintain a broad liberal studies education; 3) reduce the total degree credits required from 124 to 120; 4) provide an introduction to all areas of environmental health while allowing specialization in several areas; 5) better prepare students for the workforce by giving them practical knowledge and skills, and on-the-job training; and 6) better prepare students for graduate school in environmental or public health. The revisions are also designed to produce a curriculum acceptable for accreditation by the Environmental Health Science and Protection Accreditation Council (EHAC). Accreditation will improve student recruitment, internship and funding opportunities, and job placement of graduates.

The new curriculum provides a stronger environmental health core by requiring BIOL 111/112, followed by ENVH 221 Environmental Health & Protection I and ENVH 222 Environmental Health & Protection II, whose numbers changed. These changes reflect that the courses are for environmental health major credit only, should be taken during the sophomore year, and have a significant health component. ENVH 323 Introduction to Toxicology and Risk Assessment, and ENVH 460 Fundamentals of Environmental Epidemiology are added to the core because they provide fundamental knowledge and tools necessary for today's practicing environmental health specialist. Unfortunately, BIOL 210 Botany and BIOL 220 General Zoology could no longer be required as Majors Courses in order to make room for the new additions to the core. The Controlled Electives recognized by the EHAC as technical areas are ENVH 310 Applied Entomology and Zoonoses, GEOS 331 Hydrogeology, RGPL 350 Introduction to Planning, SAFE 402 Health Hazard Evaluation, SAFE 461 Air Pollution, and SAFE 462 Radiological Health. Although not identified as Technical Areas by the EHAC, CHEM 323 Analytical Methods and RGPL 316 Introduction to Geographic Information Systems are included as Controlled Electives because they provide technical skills that are of value in the environmental health field. BIOL 220 General Zoology, RGPL 213 Cartography I, GEOS Physical Geology 121/122, PHYS 112/121 Physics II, and SAFE 301 Health Hazard Identification are included as Controlled Electives because they are prerequisites for other controlled elective courses.

The names, catalog descriptions and/or content of ten courses have been revised to reflect the revisions in the program. The name of the program and degree has been changed from Environmental Health to Environmental Health Science. This revision more accurately describes the major that has a substantial natural science component, and lets prospective students and employers know that much of the course work has a scientific basis and stresses scientific methodology and inquiry important to environmental health practice.

22. Department of Health and Physical Education—New Courses, Course Revisions, and Program Revisions (120)

PASSED

A. Eight New Courses

HPED 214 Teaching Health Fitness and Gymnastics

1c-2l-1cr

Prerequisite: HPED 200

Provides the health and physical educator with an overview of the fundamentals and techniques of instructing personal fitness and gymnastics. Includes opportunities for skill development, analysis, and strategies for incorporating fitness and gymnastics into the physical education curriculum.

Rationale: Replaces part of the content in HPED 211 Dance, Rhythm, and Gymnastics. New state and national standards require more focus on fitness and developmental gymnastics

HPED 215 Teaching Rhythmic Activities and Dance

1c-2l-1cr

Prerequisite: HPED 200

Designed to provide an aesthetic and kinesthetic movement experience which will prepare the student a teacher of basic movement in a variety of situations. Includes creative movement, rhythms, and square, folk, and contemporary dance.

Rationale: Replaces part of the content in HPED 211 that has been deleted from the program. This course focuses on new state and national standards.

HPED 216 Teaching Elementary Physical Education

2c-2l-2cr

Prerequisites: EDSP 102, HPED 142

Introduces the student to instructional methods in physical education with an emphasis on program standards, objectives, and assessments for kindergarten through fifth grade. Provides an overview of characteristics of elementary school children and appropriate activities for this age group. Includes opportunities to improve personal skills, develop units, and teach peers and school age children.

Rationale: Replaces content currently taught in HPED 321 Methods in Elementary Health and Physical Education. This course allows the content to be spread over the entire semester and provides more opportunities for students to understand developmental physical education. Students will also be able to focus on the Pennsylvania standards for PE in the elementary school. It also provides students with a lab experience that will provide opportunities for their personal skill development as well as more opportunities for teaching.

HPED 217 Teaching Middle School Physical Education

2c-2l-2cr

Prerequisites: EDSP 102, HPED 142

Introduces student to instructional methods in physical education with an emphasis on program standards, objectives, and assessments for sixth through eighth grades. Provides an overview of characteristics of middle school children and appropriate activities for this age group. Includes opportunities to improve personal skills, develop units, and teach peers and school age children.

Rationale: Provides opportunities for students to better understand developmental physical education and focus on those activities that are appropriate for middle school students. It will also allow students to become familiar with Pennsylvania physical education standards for middle school students. The lab experience will provide opportunities for students to improve their personal skills and have more opportunities to practice teaching.

HPED 218 Teaching Secondary Physical Education

2c-2l-2cr

Prerequisites: EDSP 102, HPED 142

Introduces student to instructional methods in physical education with an emphasis on program standards, objectives, and assessments for ninth through twelfth grades. Provides an overview of characteristics of high school students and appropriate activities for this age group. Includes opportunities to improve personal skills, develop units, and teach peers and secondary school students.

Rationale: Provides opportunities for students to better understand developmental physical education and focus on those activities that are appropriate for high school students. It will also allow students to become familiar with Pennsylvania physical education standards for high school students. The lab experience will provide opportunities for students to improve their personal skills and have more opportunities to practice teaching.

HPED 316 Teaching Elementary Health Education

2c-0l-2cr

Prerequisites: EDSP 102, HPED 142

Introduces students to the Introduces students to theories of instruction and methods for teaching health education to elementary school students. Identifies developmentally appropriate teaching methods and activities, reviews and assesses current health curriculum, and demonstrates the use of technology in the health classroom. Provides opportunities for observation, lesson planning, and teaching in both rural and inner city health education classrooms.

Rationale: Replaces content currently taught in HPED 321 Methods in Elementary Health and Physical Education. Allows health content of the course to be taught over the duration of the semester. Students will have more time to focus on national and Pennsylvania health education standards as well as have more opportunities to practice teaching.

HPED 370 Adapted Health and Physical Education

3c-01-3cr

Prerequisites: HPED 210, EDSP 102; At least one of the following HPED 214, 215, 216, 217, 218, or 316
Introduces the educational issues and methods used to effectively instruct students with disabilities and other issues that become barriers to learning. Includes a study of current laws and guidelines regarding the legal rights of students with disabilities and their parents. Identifies low and high incidence disabilities, recognition of structural deviation, and corrective exercises. Introduces students to instructional adaptations to facilitate learning in the health classroom and gymnasium.

Rationale: HPED 370 replaces HPED 344 and EDEX 301 Education of Students with Disabilities in Inclusive Secondary Settings. Course content of HPED 370 will be similar to that of HPED 344 and EDEX 301.

HPED 380 Seminar in Sports Medicine

2c-01-2cr

Prerequisite: HPED 345 or permission of instructor

Presents comprehensive instruction in such areas as health care administration, pharmacology, radiology, technological advances in sports medicine and other contemporary issues.

Rationale: This course will serve as an introduction course for the development of administration skills as well as contemporary issues related to the evaluation, treatment, and care of the physically active.

B. Course Changes

1) Course Revision, Title and Catalog Description Change

Current Catalog Description:

HPED 325 School and Community Health

3c-01-3cr

Introduces students to the role of school and community in protecting and promoting the health of its members. Topics include historical development of the concepts of health and health education, identification of national and community goals to reduce risk of disease and enhance health status, and the responsibilities of both school and community toward achieving these goals.

Proposed Catalog Description:

HPED 325 School and Community Health

3c-01-3cr

Prerequisite: HPED 142

Introduces students to the role of school and community in protecting and promoting the health of its members. Topics include historical development of the concepts of health and health education, identification of national and community goals to reduce risk of disease and enhance health status, and the responsibilities of both school and community toward achieving these goals.

Rationale: HPED 142 Foundations of Health and Physical Education provides a background of health education history, concepts, and issues that will enhance student learning in HPED 325.

2) Course Revision, Title and Catalog Description Change

Current Catalog Description:

HPED 426 Health Science Instruction

3c-0l-3cr

Prerequisite: HPED 316

Health curriculum K-12, methods and media of instruction in health sciences.

Proposed Catalog Description:

HPED 426 Health Science Instruction

3c-0l-3cr

Prerequisite: HPED 316

Overview of health curriculum K-12, with a focus on middle school and secondary health education teaching methods and media of instruction. Includes unit development, opportunities for classroom instruction, and guidelines for maintaining professional growth.

Rationale: HPED 316 Teaching Elementary Health Education provides an introduction to instruction. Students will be familiar with lesson plan development and teaching techniques before enrolling in HPED 426. This will assure students are ready for the more advanced teaching skills required in this course. The change in the course description provides a better explanation of the content of this course

C. Program Revisions

Current Program:

Bachelor of Science in Education-Health and Physical Education (*)

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 217

Health and Wellness: FDNT 143 or MLSC 101-102

Natural Science: BIOL 103-104 or CHEM 101-102

Social Science: PSYC 101, SOC 151

Liberal Studies Electives: FDNT 145, PSYC 378, or approved alternatives

Major:

Required Courses:

HPED 142	Foundations of Health, Physical Education, and Sport	3sh
HPED 200	Fundamentals of Physical Activity	1sh
HPED 210	Motor Development	2sh
HPED 221	Human Structure and Function	3sh
HPED 251	Foundations of Safety and Emergency Health Care	3sh
HPED 263	Aquatics	1sh
HPED 315	Biomechanics	3sh
HPED 341	Evaluation in Health and Physical Education	3sh
HPED 343	Physiology of Exercise	3sh
HPED 344	Adapted Physical Education	3sh
HPED 441	Psychosocial Implications for Health and Physical Education	3sh
HPED 442	Seminar in Health, Physical Education, and Recreation I	3sh

Proposed Program:

Bachelor of Science in Education-Health and Physical Education (*)

54 Liberal Studies: As outlined in Liberal Studies section with following specifications:

Mathematics: MATH 217 and 3 additional credits (Must be approved liberal studies MATH course)

Natural Science: BIOL 103-104 or CHEM 101-102

Social Science: PSYC 101

Liberal Studies Electives: 0cr

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31 Major:

Required Courses:

HPED 142	Foundations of Health, Physical Education, and Sport	3cr
HPED 175	Prevention and Care of Injuries to the Physically Active	2cr
HPED 200	Fundamentals of Physical Activity	1cr
HPED 210	Motor Development	2cr
HPED 221	Human Structure and Function	3cr
HPED 242	Emergency Health Care (1)	1cr
HPED 263	Aquatics	1cr
HPED 315	Biomechanics	3cr
HPED 341	Evaluation in Health and Physical Education	3cr
HPED 343	Physiology of Exercise	3cr
HPED 441	Psychosocial Implications for Health and Physical Education	3cr
HPED 442	Seminar in Health, Physical Education, and Recreation I	3cr

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**Professional Requirements
Health and Physical Education:**

HPED 211	Dance, Rhythm Activities, and Gymnastics	3sh
HPED 212	Team Sports	3sh
HPED 213	Individual and Dual Sports and Adventure Activities	3sh
HPED 318	Preprofessional Experience I	1sh
HPED 321	Methods in Elementary Health and Physical Education	3sh
HPED 325	School and Community Health	3sh
HPED 426	Health Science Instruction	3sh
HPED 450	Curriculum and Programming in Sexuality Education	3sh

Professional Education Requirements: (1)

COMM 103	Digital Instructional Technology	3sh
EDSP 102	Educational Psychology	3sh
EDUC 242	Pre-student Teaching Clinical Exp I	1sh
EDUC 342	Pre-student Teaching Clinical Exp II	1sh
EDUC 421	Student Teaching	6sh
EDUC 441	Student Teaching	6sh
EDUC 442	School Law	1sh
FDND 102	American Ed in Theory and Practice	3sh

Other Requirements:

0

Free Electives:

0

(#) Total Degree Requirements:

131

- (*) See requirements leading to teacher certification, titled "Admission to Teacher Education," in the College of Education and Educational Technology section of this catalog.
- (1) Special Education Competency Requirement: Revision pending will eliminate exam option and will require EDEX 301 (2sh).
- (#) See advisory paragraph "Timely Completion of Degree Requirements" in the section on Requirements for Graduation.

Professional Requirements

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Health and Physical Education:

HPED 214	Teaching Health Fitness & Gymnastics	1cr
HPED 215	Teaching Rhythmic Activities and Dance	1cr
HEPD 216	Teaching Elementary Physical Education	2cr
HPED 217	Teaching Middle School Physical Education	2cr
HPED 218	Teaching High School Physical Education	2cr
HPED 316	Teaching Elementary Health Education	2cr
HPED 318	Preprofessional Experience I	1cr
HPED 325	School and Community Health	3cr
HPED 370	Adapted Health and Physical Education(2)	3cr
HPED 426	Health Science Instruction	3cr
HPED 450	Curriculum and Programming in Sexuality Education	3cr

Professional Education Requirements:

21

COMM 103	Digital Instructional Technology	3cr
EDSP 102	Educational Psychology	3cr
EDUC 242	Pre-student Teaching Clinical Exp I	1cr
EDUC 342	Pre-student Teaching Clinical Exp II	1cr
EDUC 421	Student Teaching	6cr
EDUC 441	Student Teaching	6cr
EDUC 442	School Law	1cr

(#) Total Degree Requirements:

120

- (*) See requirements leading to teacher certification, titled "Admission to Teacher Education," in the College of Education and Educational Technology section of this catalog.
- (1) Students are required to keep CPR Instructor Certification current from completion of HPED 242 until graduation.
- (2) Teacher education majors must take HPED370.
- (#) See advisory paragraph "Timely Completion of Degree Requirements" in the section on Requirements for Graduation.

Rationale:

Proposed Change

Six credits of liberal studies MATH replaces current requirement of 3 credits

Deletion of SOC 151 as a required course in the Social Science section of liberal studies
Addition of HPED 143 Health and Wellness as a choice for the Health and Wellness section of liberal studies

Change Liberal Studies Electives from 9 credits

Action Required

Change *Mathematics* requirement to read: MATH 217 and 3 additional credits of a college level math course

Eliminate SOC 151 from specifications of liberal studies outline in Health and Physical Education
Remove current specifications for Health and Wellness section of liberal studies for Health and Physical Education majors. Allow them to choose from any of the courses listed under this section.

Remove current specifications for Liberal

Rationale

Pennsylvania State Department of Education requires two college level math courses for teacher certification. These two courses must add to at least 6 credits.

Students will have an opportunity to choose a course of their personal interest and professional development from the list of approved social science courses.

Students will follow specifications listed in liberal studies program (FDNT 143, HPED 143, MLSC 101 & 102)

This change is being made to meet the 120 credits requirement.

to 0 credits. HPED 211 Dance, Rhythm, and Gymnastics	Studies Electives. Delete course from program	This course will be replaced with the new course proposals HPED 214 Health Fitness and Gymnastics and HPED 215 Rhythmic Activities and Dance. The new courses include updated content to meet state and national standards.
HPED 212 Team Sports & HPED 213 Individual/Dual Sports	Delete course from program	These classes will be replaced with new course proposals HPED 216 Teaching Elementary Physical Education, HPED 217 Teaching Middle School Physical Education, and HPED 218 Teaching High School Physical Education. The new courses include updated content to meet state and national standards.
HPED 251 Foundations of Safety and Emergency Health Care HPED 175 Care & Prevention of Injuries to the Physically Active HPED 242 Emergency Health Care	Delete HPED 251 from program Add HPED 175 and HPED 242 to the program	Replace HPED 251 with HPED 175 Care and Prevention of Injuries to the Physically Active (2 credits) and HPED 242 Emergency Health Care (1 credit). These two courses better serve the needs of future teachers.
HPED 321 Methods in Elementary Health and Physical Education	Delete this course from the program	The material in this course will be covered in the new course proposals HPED 216 Teaching Elementary Physical Education and HPED 316 Teaching Elementary Health Education
HPED 214 Health Fitness and Gymnastics	New course proposal	Replaces part of the content in HPED 211 Dance, Rhythm, and Gymnastics. New state and national standards require more focus on fitness and developmental gymnastics
HPED 215 Rhythmic Activities and Dance	New course proposal	Replaces part of the content in HPED 211 which has been deleted from the program. This course focuses on new state and national standards.
HPED 216 Teaching Elementary Physical Education	New course proposal	Replaces content currently taught in HPED 321 Methods in Elementary Health and Physical Education. This course allows the content to be spread over the entire semester and provides more opportunities for students to understand developmental physical education. Students will also be able to focus on the Pennsylvania standards for PE in the elementary school. It also provides students with a lab experience that will provide opportunities for their personal skill development as well as more opportunities for teaching.
HPED 217 Teaching Middle School Physical Education	New course proposal	Provides opportunities for students to better understand developmental physical education and focus on those activities that are appropriate for middle school students. It will also allow students to become familiar with Pennsylvania physical education standards for middle school students. The lab experience will provide opportunities for students to improve their personal skills and have more opportunities to practice teaching.
HPED 218 Teaching High School Physical Education	New course proposal	Provides opportunities for students to better understand developmental physical education and focus on those activities that are appropriate for high school students. It will also allow students to become familiar with Pennsylvania physical education standards for high school students. The lab experience will provide opportunities for students to improve their personal skills and have more opportunities to practice teaching.
HPED 316 Teaching Elementary Health Education	New course proposal	Replaces content currently taught in HPED 321 Methods in Elementary Health and Physical Education. Allows health content of the course to be taught over the duration of the semester. Students will have more time to focus on national and Pennsylvania health education standards as well as have more opportunities to practice teaching.
HPED 325 School and Community Health	Add prerequisite HPED 142	HPED 142 Foundations of Health and Physical Education provides background information students should have before enrolling in this course
HPED 370 Adapted Health and Physical Education HPED 344 Adapted Physical Education	New course proposal Add HPED 370 to Professional Requirements section and delete HPED 344 from Course Requirements section	HPED 370 replaces HPED 344 and EDEX 301 Education of Students with Disabilities in Inclusive Secondary Settings. Course content of HPED 370 will be similar to that of HPED 344 and EDEX 301.
HPED 426 Health Science Instruction	Add prerequisite: HPED 316	HPED 316 Teaching Elementary Health Education is an introductory methods course that will prepare students for the content and activities of HPED 426
FDED 102 American Education in Theory and Practice	Course deletion from the program	No longer required by the College of Education for teacher certification

Current Program:

Bachelor of Science-Physical Education and Sport

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 217

Health and Wellness: FDNT 143 or MLSC 101-102

Natural Science: BIOL 103-104 or CHEM 101-102

Social Science: PSYC 101, SOC 151

Liberal Studies Electives: BTED/COSC.IFMG 101, FDNT 145, no courses with HPED prefixes

Major:

Core Requirements:

HPED 142	Foundations of Health, Physical Education and Sport	
HPED 200	Fundamentals of Physical Activity	
HPED 210	Motor Development	
HPED 221	Human Structure & Function	3sh
HPED 251	Foundations of Safety & Emergency Health Care	1sh 2sh
HPED 263	Aquatics	3sh
HPED 315	Biomechanics	
HPED 341	Evaluation in Health and Physical Education	3sh 1sh
HPED 343	Physiology of Exercise	3sh
HPED 344	Adapted Physical Education	
HPED 441	Psychosocial Implications for Health and Physical Education	3sh 3sh
HPED 442	Seminar in Health, Physical Education and Recreation I	3sh 3sh

Professional Requirements:

HPED 175	Prevention & Care of Injuries to the Physically Active	2sh	15-17
HPED 319	Pre-Professional Exp. II	1-3sh	
HPED 375	Physiological Basis of Strength Training	3sh	
HPED 410	Exercise Prescription	3sh	
HPED 411	Physical Fitness Appraisal	3sh	
HPED 412	Physical Activity and Stress Mgmt	3sh	

Controlled Electives: (1)(2)

BIOL 151, 155, HPED 408, 413, 426, 482, 493

6-12

Free Electives:

12-18

Total Degree Requirements:

124

- (1) Nutrition minor may substitute for Controlled Electives; see Department of Food and Nutrition.
- (2) Specialty tracks will substitute for Controlled Electives: see following descriptions.

Proposed Program:

Bachelor of Science-Physical Education and Sport

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 217

Health & Wellness: FDNT 143, HPED 143, or MLSC 101-102 (recommend FDNT or MLSC)

Natural Science: BIOL 103 - 104, CHEM 101- 102, or SCI 105-106

Social Science: PSYC 101, SOC 151

Liberal Studies: 3cr, FDNT 145, no courses with HPED prefix

Major:

Core Requirements

HPED 142	Foundations of Health, Physical Education, and Sport	3cr	28
HPED 175	Prevention and Care of Injuries to the Physically Active	2cr	
HPED 200	Fundamentals of Physical Activity	1cr	
HPED 210	Motor Development	1cr	
HPED 221	Human Structure & Function	3cr	
HPED 242	Emergency Health Care	3cr	
HPED 263	Aquatics	3cr	
HPED 315	Biomechanics	3cr	
HPED 341	Evaluation in Health and Physical Education	3cr	
HPED 343	Physiology of Exercise		
HPED 441	Psychosocial Implications for Health and Physical Education	3cr	
HPED 442	Seminar in Health, Physical Education, and Recreation I	3cr	

Professional Requirements:

HPED 230	Aerobic Exercise Leadership	2cr	20
HPED 319	Pre-Professional Exp. II	3cr	
HPED 344	Adapted Physical Education	3cr	
HPED 375	Physiological Basis of Strength Training	3cr	
HPED 410	Exercise Prescription	3cr	
HPED 411	Physical Fitness Appraisal	3cr	
HPED 412	Physical Activity and Stress Mgmt	3cr	

Controlled Electives: (1)(2)

BIOL 151, 155, PHYS 151, 161, SAFE 347
HPED 333, 335, 413, 492

12

Free Electives: Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements:

120

- (1) Nutrition minor may substitute for Controlled Electives; see Department of Food and Nutrition.
- (2) Specialty tracks will substitute for Controlled Electives: see following descriptions.

Rationale: HPED 175 will be required of all students in the HPE Department. HPED 344 moved from HPE core to Professional Requirements to distinguish between adapted physical education in the school and nonschool settings. Addition of currently existing courses in the program to meet the needs of the students in this major.

Liberal Studies Electives went from 9cr to 3cr, and free electives will be 12 credits.

Current Program:

Bachelor of Science-Physical Education and Sport/Athletic Training Track

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 217

Health and Wellness: FDNT 143 or MLSC 101-102

Natural Sciences: BIOL 103-104 or CHEM 101-102

Social Science: PSYC 101, SOC 151

Liberal Studies Electives: BTED/COSC/IFMG 101, FDNT 145, no course with HPED prefix

Major

Core Requirements:

HPED 142	Foundations of Health, Physical Education, and Sport	3sh
HPED 200	Fundamentals of Physical Activity	1sh
HPED 210	Motor Development	2sh
HPED 221	Human Structure and Function	3sh
HPED 251	Foundations of Safety and Emergency Health Care	3sh
HPED 263	Aquatics	1sh
HPED 315	Biomechanics	3sh
HPED 341	Evaluation in Health and Physical Education	3sh
HPED 343	Physiology of Exercise	3sh
HPED 344	Adapted Physical Education	3sh
HPED 441	Psychosocial Implications for Health and Physical Education	3sh
HPED 442	Seminar in Health, Physical Education, and Recreation I	3sh

Sports Science Requirements

HPED 175	Prevention and Care of Injuries to the Physically Active	2sh
HPED 345	Athletic Training I	3sh
HPED 346	Athletic Training Lab	1sh
HPED 375	Physiological Basis of Strength Training	3sh
HPED 411	Physical Fitness Appraisal	3sh

Athletic Training Track Requirements

BIOL 151	Human Physiology	4sh
HPED 365	Advanced Athletic Training	4sh
HPED 376	Athletic Training Clinical Practicum I	1sh
HPED 377	Athletic Training Clinical Practicum II	1sh
HPED 446	Therapeutic Modalities	4sh
HPED 448	Therapeutic Exercise for Athletic Injury Management	4sh
HPED 476	Athletic Training Clinical Practicum III	1sh
HPED 477	Athletic Training Clinical Practicum IV	1sh
PHYS 151	Medical Physics Lecture	3sh
PHYS 161	Medical Physics Lab	1sh

Free Electives:

Total Degree Requirements:

54-55

31

12

24

2-3

124

Proposed Program:

Bachelor of Science-Physical Education and Sport/Athletic Training Track

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 217

Natural Sciences: BIOL 103-104 or CHEM 101-102

Social Science: PSYC 101, SOC 151

Liberal Studies Electives: 6cr, BTED/COSC/IFMG 101, FDNT 145, no course with HPED prefix

Major

Core Requirements:

HPED 142	Foundations of Health, Physical Education, and Sport	3cr
HPED 175	Prevention and Care of Injuries to the Physically Active	2cr
HPED 200	Fundamentals of Physical Activity	1cr
HPED 210	Motor Development	
HPED 221	Human Structure and Function	2cr
HPED 242	Emergency Health Care	3cr
HPED 263	Aquatics	1cr
HPED 315	Biomechanics	1cr
HPED 341	Evaluation in Health and Physical Education	3cr
HPED 343	Physiology of Exercise	3cr
HPED 441	Psychosocial Implications for Health and Physical Education	3cr
HPED 442	Seminar in Health, Physical Education and Recreation I	3cr

Athletic Training Track Requirements

BIOL 151	Human Physiology	4cr
PHYS 151	Medical Physics Lecture	3cr
PHYS 161	Medical Physics Lab	1cr
HPED 344	Adapted Physical Education	3cr
HPED 345	Athletic Training I	3cr
HPED 346	Athletic Training Lab	1cr
HPED 365	Advanced Athletic Training	4cr
HPED 375	Physiological Basis of Strength Training	3cr
HPED 376	Athletic Training Clinical Practicum	1cr
HPED 377	Athletic Training Clinical Practicum II	1cr
HPED 380	Seminar in Sports Medicine	2sh
HPED 411	Physical Fitness Appraisal	3cr
HPED 446	Therapeutic Modalities	4cr
HPED 448	Therapeutic Exercise for Athletic Injury Management	4cr
HPED 476	Athletic Training Clinical Practicum III	1cr
HPED 477	Athletic Training Clinical Practicum IV	1cr

Free Electives: Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements:

120

Rationale: The movement of HPED 175 to the core for all students and the addition of HPED 242 will better meet the needs of our students as well as maintain compliance with our accreditation requirements. The addition of HPED 30 is a requirement for accreditation by the Committee for Accreditation of Allied Health Education Programs. Removal of 3 liberal studies elective credits and free electives will be 2 credits.

Current Program:

Bachelor of Science-Physical Education and Sport/Sport Administration Track

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 217

Health and Wellness: FDNT 143 or MLSC 101-102

Natural Sciences: BIOL 103-104 or CHEM 101-102

Social Science: PSYC 101, ECON 121

Liberal Studies Electives: BTED/COSC/IFMG 101, ECON 122, no course with HPED prefix

Major

Core Requirements:

HPED 142	Foundations of Health, Physical Education, and Sport	3sh
HPED 200	Fundamentals of Physical Activity	1sh
HPED 210	Motor Development	2sh
HPED 221	Human Structure and Function	3sh
HPED 251	Foundations of Safety and Emergency Health Care	3sh
HPED 263	Aquatics	1sh
HPED 315	Biomechanics	3sh
HPED 341	Evaluation in Health and Physical Education	3sh
HPED 343	Physiology of Exercise	3sh
HPED 344	Adapted Physical Education	3sh
HPED 441	Psychosocial Implications for Health and Physical Education	3sh
HPED 442	Seminar in Health, Physical Education, and Recreation I	3sh

Sports Science Requirements:

HPED 175	Prevention and Care of Injuries to the Physically Active	2sh
HPED 319	Pre-Professional Experience II	1-3sh
HPED 333	Psychology of Coaching	2sh
HPED 335	Coaching and Managing of Athletic Programs	3sh
HPED 375	Physiological Basis of Strength Training	3sh
HPED 412	Physical Activity and Stress Management	3sh
or HPED 430	The American Woman and Sport	3sh

Business Minor Requirements:

ACCT 201	Accounting Principles I	3sh
ACCT 202	Accounting Principles II	3sh
BTST 321	Business and Interpersonal Communications	3sh
BLAW 235	Legal Environment of Business	3sh
FIN 310	Fundamentals of Finance	3sh
MGMT 310	Principles of Management	3sh
MKTG 320	Principles of Marketing	3sh

Free Electives:

2-4

Total Degree Requirements:

124

Proposed Program:

Bachelor of Science-Physical Education and Sport/Sport Administration Track

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 217

Natural Sciences: BIOL 103-104, CHEM 101-102, or SCI 105-106

Social Science: PSYC 101, ECON 121

Liberal Studies Electives: 6cr, BTED/COSC/IFMG 101, ECON 122, no course with HPED prefix

Major

Core Requirements:

HPED 142	Foundations of Health, Physical Education, and Sport	3cr
HPED 175	Prevention and Care of Injuries to the Physically Active	2cr
HPED 200	Fundamentals of Physical Activity	1cr
HPED 210	Motor Development	2cr
HPED 221	Human Structure and Function	3cr
HPED 242	Emergency Health Care	1cr
HPED 263	Aquatics	1cr
HPED 315	Biomechanics	3cr
HPED 341	Evaluation in Health and Physical Education	3cr
HPED 343	Physiology of Exercise	3cr
HPED 441	Psychosocial Implications for Health and Physical Education	3cr
HPED 442	Seminar in Health, Physical Education and Recreation I	3cr

Sports Science Requirements:

HPED 319	Pre-Professional Experience II	3cr
HPED 333	Psychology of Coaching	2cr
HPED 335	Coaching and Managing of Athletic Programs	3cr
HPED 344	Adapted Physical Education	3cr
HPED 375	Physiological Basis of Strength Training	3cr
HPED 412	Physical Activity and Stress Management	3cr
or HPED 430	The American Woman and Sport	3cr

Business Minor Requirements:

ACCT 201	Accounting Principles I	3cr
ACCT 202	Accounting Principles II	3cr
BLAW 235	Legal Environment of Business	3cr
BTST 321	Business and Interpersonal Communications	3cr
FIN 310	Fundamentals of Finance	3cr
MGMT 310	Principles of Management	3cr
MKTG 320	Principles of Marketing	3cr

Total Degree Requirements:

120

Rationale: HPED 175 will be required of all students in the HPE Department. HPED 242 will provide students with Red Cross certifications they need. HPED 344 moved from HPE core to Professional Requirements to distinguish between adapted physical education in the school and nonschool settings. Reduction of liberal studies electives from 9cr to 6cr; there are no free electives.

Current Program:

Bachelor of Science-Physical Education and Sport/Exercise Science Track

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 217

Health and Wellness: FDNT 143 or MLSC 101-102

Natural Sciences: BIOL 103-104 or CHEM 101-102

Social Science: PSYC 101, SOC 151

Liberal Studies Electives: BTED/COSC/IFMG 101, FDNT 145, no course with HPED prefix

Major

Core Requirements:

HPED 142	Foundations of Health, Physical Education, and Sport	3sh
HPED 200	Fundamentals of Physical Activity	1sh
HPED 210	Motor Development	2sh
HPED 221	Human Structure and Function	3sh
HPED 251	Foundations of Safety and Emergency Health Care	1sh
HPED 263	Aquatics	3sh
HPED 315	Biomechanics	3sh
HPED 341	Evaluation in Health and Physical Education	3sh
HPED 343	Physiology of Exercise	3sh
HPED 344	Adapted Physical Education	3sh
HPED 441	Psychosocial Implications for Health and Physical Education	3sh
HPED 442	Seminar in Health, Physical Education, and Recreation I	3sh

Sports Science Requirements:

HPED 175	Prevention and Care of Injuries to the Physically Active	2sh
HPED 319	Pre-Professional Experience II	1-3sh
HPED 375	Physiological Basis of Strength Training	3sh
HPED 412	Physical Activity and Stress Management	3sh
HPED 410	Exercise Prescription	3sh

Exercise Science Track:

BIOL 151	Human Physiology	4sh
HPED 411	Physical Fitness Appraisal	3sh
HPED 413	Physical Activity and Aging	3sh
PHYS 151	Medical Physics Lecture	3sh
PHYS 161	Medical Physics Lab	1sh

Free Electives:

Total Degree Requirements:

54-55

31

12-14

14

10-13

124

Proposed Program:

Bachelor of Science-Physical Education and Sport/Exercise Science Track

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 217

Natural Sciences: BIOL 103-104, CHEM 101-102, or SCI 105-106

Social Science: PSYC 101, SOC 151

Liberal Studies Electives: 3cr, FDNT 145

Major

Core Requirements:

HPED 142	Foundations of Health, Physical Education, and Sport	3cr
HPED 175	Prevention and Care of Injuries to the Physically Active	2cr
HPED 200	Fundamentals of Physical Activity	1cr
HPED 210	Motor Development	2cr
HPED 221	Human Structure and Function	3cr
HPED 242	Emergency Health Care	1cr
HPED 263	Aquatics	1cr
HPED 315	Biomechanics	3cr
HPED 341	Evaluation in Health and Physical Education	3cr
HPED 343	Physiology of Exercise	3cr
HPED 441	Psychosocial Implications for Health and Physical Education	3cr
HPED 442	Seminar in Health, Physical Education and Recreation I	3cr

Sports Science Requirements:

HPED 319	Pre-Professional Experience II	3cr
HPED 344	Adapted Physical Education	3cr
HPED 375	Physiological Basis of Strength Training	3cr
HPED 412	Physical Activity and Stress Management	3cr
HPED 410	Exercise Prescription	3cr

Exercise Science Track:

BIOL 151	Human Physiology	4cr
HPED 230	Aerobic Leadership	2cr
HPED 411	Physical Fitness Appraisal	3cr
HPED 413	Physical Activity and Aging	3cr
PHYS 151	Medical Physics Lecture	3cr
PHYS 161	Medical Physics Lab	1cr
One course from the following two courses:		
HPED 492	Health Fitness Instruction	3cr
SAFE 347	Ergonomics	3cr

Free Electives: Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements:

48

28

15

19

120

120

Rationale: HPED 175 will be required of all students in the HPE Department. HPED 242 will provide students with Red Cross certifications they need. HPED 344 moved from HPE core to Professional Requirements to distinguish between adapted physical education in the school and nonschool settings. Inclusion of HPED 492 and SAFE 347 are more appropriate courses to meet student needs in exercise science. Reduction of liberal studies electives from 9cr to 3cr; free electives will be 10 credits.

Current Program:

Bachelor of Science-Physical Education and Sport/Aquatic Track

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 217

Health and Wellness: FDNT 143 or MLSC 101-102

Natural Sciences: BIOL 103-104 or CHEM 101-102

Social Science: PSYC 101, SOC 151

Liberal Studies Electives: BTED/COSC/IFMG 101, FDNT 145, no course with HPED prefix

Major:

Core Requirements:

HPED 142	Foundations of Health, Physical Education and Sport	3sh
HPED 200	Fundamentals of Physical Activity	1sh
HPED 210	Motor Development	2sh
HPED 221	Human Structure and Function	3sh
HPED 251	Foundations of Safety and Emergency Care	3sh
HPED 263	Aquatics	1sh
HPED 315	Biomechanics	3sh
HPED 341	Evaluation in Health and Physical Education	3sh
HPED 343	Physiology of Exercise	3sh
HPED 344	Adapted Physical Education	3sh
HPED 441	Psychosocial Implications for Health and Physical Education	3sh
HPED 442	Seminar in Health and Physical Education and Recreation I	3sh

Sport Science Requirements:

HPED 175	Prevention and Care of Injuries to the Physically Active	2sh
HPED 319	Pre-Professional Experience II	1-3sh
HPED 375	Physiological Basis of Strength Training	3sh
HPED 410	Exercise Prescription	3sh
HPED 411	Physical Fitness Appraisal	3sh
HPED 412	Physical Activity and Stress Management	3sh

Aquatic Track:

HPED 165	Lifeguarding	1sh
HPED 261	Water Safety Instructor	1sh
HPED 264	Advanced Aquatics	1sh
HPED 270	Instructor Handicapped Swimming	1sh
HPED 276	Coaching of Swimming	1sh
HPED 279	Swimming Pool Maintenance and Chemistry	2sh
HPED 280	Aquatic Facilities Management	2sh
HPED 335	Coaching and Managing Athletic Programs	3sh

Free Electives:

Total Degree Requirements:

31

Proposed Program:

Bachelor of Science-Physical Education and Sport/Aquatic Track

54-55 Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 217

Natural Sciences: BIOL 103-104, CHEM 101-102, or SCI 105-106

Social Science: PSYC 101, SOC 151

Liberal Studies Electives: 9cr, BTED/COSC/IFMG 101, FDNT 145, no course with HPED prefix

Major:

Core Requirements:

HPED 142	Foundations of Health, Physical Education and Sport	3cr
HPED 175	Prevention and Care of Injuries to the Physically Active	2cr
HPED 200	Fundamentals of Physical Activity	1cr
HPED 210	Motor Development	2cr
HPED 221	Human Structure and Function	3cr
HPED 242	Emergency Health Care	1cr
HPED 263	Aquatics	1cr
HPED 315	Biomechanics	3cr
HPED 341	Evaluation in Health and Physical Education	3cr
HPED 343	Physiology of Exercise	3cr
HPED 441	Psychosocial Implications	3cr
HPED 442	Seminar in Health and Physical Education	3cr

Sport Science Requirements:

HPED 319	Pre-Professional Experience II	3cr
HPED 344	Adapted Physical Education	3cr
HPED 375	Physiological Basis of Strength Training	3cr
HPED 410	Exercise Prescription	3cr
HPED 411	Physical Fitness Appraisal	3cr
HPED 412	Physical Activity and Stress Management	3cr

Aquatic Track:

HPED 165	Lifeguarding	1cr
HPED 261	Water Safety Instructor	1cr
HPED 264	Advanced Aquatics	1cr
HPED 270	Instructor Handicapped Swimming	1cr
HPED 276	Coaching of Swimming	1cr
HPED 279	Swimming Pool Maintenance and Chemistry	2cr
HPED 280	Aquatic Facilities Management	2cr
HPED 335	Coaching and Managing Athletic Programs	3cr

Free Electives: Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements:

9-12

124

28

18

12

120

Rationale: HPED 175 will be required of all students in the HPE Department. HPED 242 will provide students with Red Cross certifications they need. HPED 344 moved from HPE core to Professional Requirements to distinguish between adapted physical education in the school and nonschool settings. Reduction of liberal studies

electives from 9cr to 3cr; free electives will be 8 credits.

23. Department of Hospitality Management—New Courses,

PASSED

A. Seven New Courses

HRIM 130 Hospitality Sanitation and Security

3c-01-3cr

Introduces concepts and issues pertaining to sanitation and security management in the hospitality industry. Course examines causes and prevention of food-borne illness, Hazard Analysis Critical Control Point (HACCP) food production methods, and current government regulations. Special emphasis on crisis management protocols dealing with critical incidents involving guests and employees. This course prepares students for taking the National Restaurant Association ServSafe sanitation certification examination.

Rationale: Course provides in-depth study of hospitality security and sanitation issues. Includes formal National Restaurant Association ServeSafe sanitation certification instruction. As of July 2003 all food service supervisors within the Commonwealth of Pennsylvania will be required by law to be certified in sanitation management. As the National Restaurant Association ServeSafe sanitation course is globally recognized as the leading curriculum in this area, the hospitality management program will be positioned to offer this course to its majors and to the industry community. This course will also address a diverse array of hospitality security topics. No course specifically addressing these important issues currently exists in the HRIM curriculum, thus, the reason for its development.

HRIM 150 Principles of Hospitality Management

3c-01-3cr

Introduces students to classic management theory and responsibilities, with emphasis on hospitality industry applications.

Rationale: Course will cover general hospitality organizational theory and behavior, as required within the standards of accreditation of the Accreditation Commission for Programs in Hospitality Administration. It will serve as a prerequisite for several other HRIM courses, including a separate hospitality human resource course, HRIM 256. The current hospitality management curriculum combines the study of both organizational theory and behavior and human resource management into one single course and does not provide adequate time to address all relevant knowledge areas given the semester time constraints.

HRIM 310 Professional Development in the Hospitality Industry

2c-01-2cr

Prerequisite: HRIM 256

Provides the student with an opportunity to identify and design industry-specific job search strategies, techniques, and skills including resume and cover letter writing, interviewing, portfolio development, and strategies to attain career success within the Hospitality Industry.

Rationale: This course will address professional hospitality business resume development, communication, business dress, etiquette, and related topics. An objective of this course is to attempt to establish a consistently high standard of IUP hospitality management prospective employee candidate within the hospitality employment marketplace. No such course currently exists within the hospitality management curriculum and the above knowledge areas are but sporadically addressed within curriculum courses at this time.

HRIM 320 Hospitality Marketing

3c-01-3cr

Prerequisite: HRIM 256

Understanding the principles and concepts of marketing as they apply to hospitality management. Analyzes consumer behavior related to the hospitality industry. Students learn to make effective marketing decisions as they apply to customer satisfaction.

Rationale: The standards of accreditation of the Accreditation Commission for Programs in Hospitality Administration require “specific applications in hospitality management” in the area of “the marketing of hospitality goods and services”. The current hospitality management curriculum identifies MKTG 320 Principles of Marketing as a program requirement. Hospitality management students do not have the prerequisite for that course ECON 122. In addition, MKTG 320 does not provide a discussion of marketing containing “specific applications in hospitality management” as required by the Accreditation Commission for Programs in Hospitality Administration, nor do any Department of Marketing courses provide such specific discussion. Accordingly, in order to meet program standards of accreditation, this course was developed.

HRIM 330 Applications of Food Production and Service

1c-61-4cr

Prerequisite: HRIM 313 or FDNT 150/151

Provides training for the hospitality management student in advanced fundamentals of technique, timing and management skills through laboratory experiences, as well as, the operation of the Allenwood Restaurant facility.

Rationale: The standards of accreditation of the Accreditation Commission for Programs in Hospitality Administration require as part of their standards of accreditation the study of “the operations relative to the provision of hospitality goods and/or services, including foodservice management.” This course is designed so that hospitality management students will apply foodservice management commercial production techniques within an actual foodservice commercial operation, the Allenwood dining facility. This course is positioned within the proposed revised hospitality management curriculum as the second of three foodservice production technique/application courses, the first being HRIM 313, the third being HRIM 413. The emphasis of this new course will be primarily the management of the above commercial operation for weekday lunch service during the course of the academic semester.

HRIM 335 Legal Issues in Hospitality

3c-01-3cr

Prerequisite: HRIM 256

Examines the concepts and issues pertaining to hotel and restaurant law, government regulations and their impact on the hospitality industry. Special emphasis is placed on innkeeper-guest relationship, employee relations, food laws and liability, liquor law and liability and guest rights.

Rationale: The Accreditation Commission for Programs in Hospitality Administration require as part of their standards of accreditation the study of “specific applications in hospitality management” of the “the legal environment of profit and non-profit organizations.” The current hospitality management curriculum identifies BLAW 235 Legal Environment of Business as a required course. This course does not provide for the study of legal issues with “specific applications in hospitality management” and, accordingly, the current hospitality management curriculum is deficient in meeting ACPHA standards of accreditation. HRIM 335 will provide a discussion of legal issues pertaining to food, beverage, inn-keeping, and other hospitality management topics.

HRIM 470 Hospitality Business Model

3c-01-3cr

Prerequisite: Senior status and permission of instructor

Course provides the student with the opportunity to integrate and apply hospitality operations management concepts into the development of a working hospitality business model.

Rationale: The Accreditation Commission for Programs in Hospitality Administration require as part of their standards of accreditation the study of “specific applications in hospitality management” of “administrative processes, including the integration of analysis and policy determination at the overall management level.” The course HRIM 470 is positioned as a capstone course within the hospitality management curriculum and draws upon the integration of knowledge areas as presented in previously-taken hospitality management undergraduate courses. As one of its primary objectives, this course requires the student of hospitality management to conceptualize and develop a hospitality operating business model to include mission statement, physical design, staffing requirements, marketing strategy, operations policies, products, services, and other relevant business

characteristics.

B. Course Changes

1) Course Revision, Course Title Change, and Catalog Description Change

Current Catalog Description:

HRIM 256 Principles of Hospitality Human Resource Management

3c-01-3sh

Examines human resource management in the hospitality and healthcare industries. Major topics include cultural diversity, legal requirements, job analysis, recruitment and selection, training and development, performance appraisal, compensation and benefits administration, and classic management theory.

Proposed Catalog Description:

HRIM 256 Human Resources in the Hospitality Industry

3c-01-3cr

Prerequisite: HRIM 150 or Food and Nutrition Major

Examines human resources management in the hospitality industry. Topics include cultural diversity, legal requirements, job analysis, recruitment and selection, training and development, performance appraisal, compensation, and benefits administration.

Rationale: The Accreditation Commission for Programs in Hospitality Administration standards of accreditation require a study of “specific applications in hospitality management” in the areas of “the planning for, and utilization and management of personnel, including the improvement of student understanding of human behavior” and “organizational theory, behavior, and interpersonal communication”. Department faculty believe these two important knowledge areas would be most effectively presented to students through two individual hospitality management courses, one to address the personnel competencies (HRIM 256) and one to address the organizational theory and behavioral knowledge areas (HRIM 150, a proposed new course). Currently both areas are addressed in the course HRIM 256. The revision of HRIM 256 positions this course to address the above desired knowledge areas.

2) Course Revision, Course Number and Title Change, and Catalog Description Change

Current Catalog Description:

HRIM 401 Cost Management

3c-01-3sh

Prerequisites: HRIM 313, 326

Food, beverage, and labor controls for hospitality or health care operations, including relationships between budgetary information and managerial decision making to meet financial needs.

Proposed Catalog Description:

HRIM 265 Hospitality Cost Management

3c-01-3cr

Prerequisite: ACCT 201

Course identifies and analyzes the control of hospitality operation costs including those in the areas of food, beverage, labor, material, and to compare those costs to industry norms. Students will analyze income statements and balance sheets.

Rationale: A reduction in course number from Senior to Sophomore level permits the learning of hospitality cost management knowledge areas prior to enrolling in subsequent operations production courses where such learned competencies are applied. Course name change reflects the positioning of this course to address a diverse array of

hospitality operations costs, as required for program accreditation, not simply food and beverage costs. Prerequisite changes assure that some previous financial management knowledge base is in place prior to the student enrolling in this course. Catalog description and course objectives reflect current hospitality industry issues, terminology, and required learned competencies.

3) Course Revision, Course Title Change and Catalog Description Change

Current Catalog Description:

HRIM 313 Food Systems I

2c-var-4sh

Prerequisites: FDNT 150, HRIM 259, permission

A basic course in quantity food production with experience in planning, purchasing, preparing, and serving nutritionally adequate meals. Requirements of the National School Lunch program emphasized in satellite and on-premises food service. Requires some preparation and service outside regularly scheduled class time.

Proposed Catalog Description:

HRIM 313 Food Production and Service

1c-6l-4cr

Prerequisites: HRIM 130, 150 and permission of instructor

Introduces the management of food service operations in commercial kitchen facilities. Includes planning, preparation and service of quantity food production. Emphasizes the integration of sanitation, menu planning, cost controls, and application of computer software.

Rationale: The Accreditation Commission for Programs in Hospitality Administration standards for accreditation requires knowledge of “operations relative to the provision of hospitality goods and/or services including food service management.” This course has been revised to include an expanded discussion of the areas of commercial quantity food recipe development and analysis, introduction to various food groups and their commercial production characteristics, use of commercial food production equipment, and other relevant food service management topics. The application of the skills learned in HRIM 313 will be made through student enrollment in HRIM 330 Applications of Food Production and Service, a proposed new course in which students will produce and serve food within the program’s commercial dining room.

4) Course Revision

Current Catalog Description:

HRIM 493 Internship in Hospitality Management

var-6-12sh

Prerequisites: 57sh earned, 2.0 GPA, and completion of an approved 440-hour Work Experience I

An opportunity for students to work in a supervised experience directly related to the HRIM major. Must meet university and departmental internship requirements. Minimum of 440 hours required during the internship.

Proposed Catalog Description:

HRIM 493 Internship

var-3-12cr

Prerequisites: 57cr earned, 2.0 GPA, and completion of approved 400-hour pre-Internship experience.

An opportunity for students to work in a supervised experience directly related to the HRIM major. Must meet university and departmental internship requirements. Minimum of 400 work hours required.

Rationale: Based upon the amount of academic work required of the hospitality management intern, primarily the maintenance of logs and one summary report, the awarding of the current 6 credits for the internship

experience was excessive. Accordingly, faculty agreed that 3 credits would be more realistic for this course, which will require 400 work hours.

C. Catalog Description Change:

Current Catalog Description:

The department offers students an academic preparation leading to a Bachelor of Science degree in Hotel, Restaurant, and Institutional Management. Students take general courses in business, chemistry, biology, computer literacy, and foreign language. Students elect to concentrate in either food service management or lodging management. The program has received accreditation from the Accreditation Commission for Programs in Hospitality Administration.

The food service management track prepares students for management positions in restaurants, corporate food services, entertainment or recreation food service, health care, or other institutional and contract food service.

The lodging management track prepares students for management positions within hotels, resorts, and other lodging operations. Emphasis is on the study of housekeeping, rooms, and sales departments but also includes food production and service.

Both programs require the student to complete 880 hours of hospitality industry work experience before graduation. The first 440 hours are completed during the freshman and sophomore years in any type of hospitality position selected by the student and must be completed before the internship is scheduled. The second 440 hours are completed as an internship. The internship is supervised by a faculty member who assists the student in developing the learning package to be achieved during the internship and who advises the intern on university, department, and site requirements.

Professional-type uniforms are prescribed as part of the dress code for departmental majors in all food production courses.

Proposed Catalog Description:

The department offers students an academic preparation leading to a Bachelor of Science degree in Hospitality Management. Students complete required liberal studies and core hospitality management courses, then take additional hospitality management elective courses based upon their individual career interests. Graduates from the program are employed in hotels, resorts, restaurants, clubs, theme parks, contract food service, and in other areas of the travel and tourism industry. The program curriculum has received accreditation from the Accreditation Commission for Programs in Hospitality Administration.

Students are required to complete 800 hours of hospitality industry work experience before graduation. The first 400 hours are accomplished through a non-credit pre-internship whereby students are employed in any type of employment position within the hospitality industry. The final 400 hours are accomplished through the completion of a formal credit-bearing internship. The internship is supervised by a department faculty member who assists the student in developing the learning package to be achieved during the internship and who advises the intern on university, department, and site requirements.

Professional food preparation uniforms and equipment are prescribed as part of the dress code for department majors in all food production courses.

D. Program Revision:

Current Program:

Bachelor of Science-Hotel, Restaurant, and Institutional Management

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 217

Natural Sciences: CHEM 101-102

Social Science: ECON 121, PSYC 101,

Liberal Studies Electives: BTED/COSC/IFMG 101, FDNT 145, no course with HRIM prefix

Major:

Required Courses:

FDNT 150	Foods	3sh	33
FDNT 151	Foods Laboratory	1sh	
HRIM 101	Introduction to the Hospitality Industry	3sh	
HRIM 256	Principles of Hospitality Human Resource Management	3sh	
HRIM 259	Hospitality Purchasing	3sh	
HRIM 313	Food Systems I	4sh	
HRIM 401	Cost Management	3sh	
HRIM 411	Seminar in Hospitality Management	3sh	
HRIM 413	Advanced Restaurant Operations	4sh	
HRIM 493	Internship in Hospitality Management	6sh(1)	

Controlled Electives: One track required

Food Service Management Track: FDNT 145 (2), HRIM 358, 402, 406, 408

Lodging Management Track: HRIM 115, 260, 365, 420, IFMG 300

Other Requirements:

ACCT 201	Accounting Principles I	3sh	15-21
BIOL 232	Fundamentals of Microbiology	3sh	
BLAW 235	Legal Environment of Business	3sh	
FNLG ----	Foreign Languages	3-9sh(3)	
MKTG 320	Principles of Marketing	3sh	

Free Electives:

0-11

Total Degree Requirements:

124

- (1) Each student must complete 880 hours of work experience, of which 440 hours must be through supervised experiences in HRIM 493. See department internship coordinator for detailed information.
- (2) Semester hours counted in Liberal Studies Electives.
- (3) Each student must have foreign language proficiency of either:
 - a. Intermediate-level – SPAN 201/FRNC 202/GRMN 252 or
 - b. Successful completion of two of one language. Intermediate-level courses may be used as Liberal Studies elective.

Proposed Program:

Bachelor of Science-Hospitality Management

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 101 or higher

Natural Science: Option I

Social Science: ECON 101. PSYC 101

Health and Wellness: FDNT 143

Liberal Studies Electives: 3cr, no course with HRIM prefix

Major:

Required Courses:

HRIM 101	Introduction to the Hospitality Industry	3cr	48
HRIM 130	Hospitality Sanitation and Security	3cr	
HRIM 150	Principles of Hospitality Management	3cr	
HRIM 256	Human Resources in the Hospitality Industry	3cr	
HRIM 259	Hospitality Purchasing	3cr	
HRIM 265	Hospitality Cost Management	3cr	
HRIM 310	Professional Development in the Hospitality Industry	2cr	
HRIM 313	Food Production and Service	4cr	
HRIM 320	Hospitality Marketing	3cr	
HRIM 330	Applications of Food Production and Service	4sr	
HRIM 335	Legal Issues in Hospitality	3cr	
HRIM 413	Advanced Food Production and Service	4cr	
HRIM 470	Hospitality Business Model	3cr	
HRIM 493	Internship	3cr(1)	

Controlled Electives:

Sixteen credits of non-required HRIM prefix courses

16

Other Requirements:

ACCT 201	Accounting Principles I	3cr	9-11
FNLG ----	Foreign Languages	6-8cr	

Total Degree Requirements:

120

- (1) Each student must complete 800 hours of work experience, of which 400 hours must be through supervised experiences in HRIM 493. See department internship coordinator for detailed information.
- (2) State System Board of Governors' policy states that at least 40 percent of the coursework in a degree must consist of courses numbered 300 and above.

Rationale: Several Liberal Studies requirements were changed to better match the knowledge base needed for the students and accrediting requirements. The program has not been revised since it was initially introduced, the department name/degree name change reflects the proposed change from a track based curriculum of study to a liberal curriculum. Liberal Studies electives went from 9cr to 3cr, and free electives will now be 1-3 credits.

24. Department of French and German—Program Revisions (120)

Current Program:

BA—German for International Trade

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 121
Social Sciences: ECON 121

Liberal Studies Electives: MATH 214, no courses with GRMN prefix

College:
 Foreign Language (included in major)

Major: 36
Required courses:

GRMN 221	Conversation III	2sh
GRMN 222	Conversation IV	2sh
GRMN 251	German III	3sh
GRMN 252	German IV	3sh
GRMN 253	Intermediate Composition and Conversation	3sh
GRMN 254	Business German	3sh
GRMN 321	Advanced Conversation I	1sh
GRMN 322	Advanced Conversation II	1sh
GRMN 351	Advanced German Language I	3sh
GRMN 352	Advanced German Language II	3sh
GRMN 361	Development of German Culture and Literature I	3sh
GRMN 362	Development of German Culture and Literature II	3sh

Controlled electives:
 Two additional GRMN electives (advanced levels) 6sh(1)

Other Requirements: Business sequence 33

ACCT 201	Accounting Principles I	3sh
ACCT 202	Accounting Principles II	3sh
BLAW 235	Introduction to Business Law	3sh
BTST 321	Business and Interpersonal Communications	3sh
ECON 122	Principles of Economics II	3sh
FIN 310	Finance I	3sh
IFMG 300	Information Systems: Theory and Practice	3sh
MGMT 311	Human Behavior in Organizations	3sh
MGMT 360	Management and Production Concepts	3sh
MKTG 320	Principles of Marketing	3sh
QBUS 215	Business Statistics	3sh

Free Electives: 0-1

Total Degree Requirements: 124

- (1) Most students earn additional language semester hours (usually 12-14) in semester study abroad.

Current Program:

BS in Education—K-12 French Education (*)

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: 53-55

Proposed Program:

BA—German for International Trade

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: 54

Mathematics: 3cr, any LBST math course except MATH 217

Social Sciences: ECON 121

Liberal Studies Electives: 9cr, BTED/COSC/ IFMG 101. ECON 122, MATH 214, no courses with GRMN prefix

College: 0
 Foreign Language (included in major) 0

Major: 36
Required courses:

GRMN 221	Conversation III	2cr
GRMN 222	Conversation IV	2cr
GRMN 251	German III	3cr
GRMN 252	German IV	3cr
GRMN 253	Intermediate Composition and Conversation	3cr
GRMN 254	Business German	3cr
GRMN 321	Advanced Conversation I	1cr
GRMN 322	Advanced Conversation II	1cr
GRMN 351	Advanced German Language I	3cr
GRMN 352	Advanced German Language II	3cr
GRMN 361	Development of German Culture and Literature I	3cr
GRMN 362	Development of German Culture and Literature II	3cr

Controlled electives:
 Two additional GRMN electives (advanced levels) 6cr(1)

Other Requirements: Business sequence 36

ACCT 201	Accounting Principles I	3cr
ACCT 202	Accounting Principles II	3cr
BLAW 235	Introduction to Business Law	3cr
BTST 321	Business and Interpersonal Communications	3cr
FIN 310	Finance I	3cr
MGMT 310	Principles of Management	3cr
MGMT 350	International Business	3cr
MKTG 320	Principles of Marketing	3cr

Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements: 120

- (1) Most students earn additional language credits (usually 12-14) in semester study abroad.
- (2) Students not majoring in business may count a maximum of 30cr in business coursework toward the 120cr-degree minimum. Business semester hours in excess of 30 will be permitted only as semester hours beyond the 120 required for graduation.

Proposed Program:

BS in Education—K-12 French Education (*)

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: 50

Social Science: ANTH 110 or 211, PSYC 101
Liberal Studies Electives: no courses with FRNC prefix

College:	32
Professional Educational Sequence:	
COMM 103 Digital Instructional Technology	3sh
EDSP 102 Educational Psychology	3sh
EDEX 301 Education of Students with Disabilities in Inclusive Secondary Schools	2sh
EDSP 477 Assessment of Student Learning: Design and Interpretation of Educational Measures	3sh
EDUC 242 Pre-Student Teaching and Clinical Exp I	1sh
EDUC 342 Pre-Student Teaching and Clinical Exp II	1sh
EDUC 441 Student Teaching	12sh
EDUC 442 School Law	1sh
EDUC 453 Teaching of Foreign Languages in the Secondary School	3sh
FDED 102 American Education in Theory and Practice	3sh

Major:	33
Required Courses:	
FRNC 202 College French II	3sh
FRNC 331 Intermediate French Conversation	3sh
FRNC 341 French Grammar	3sh
FRNC 353 Intermediate French Composition	3sh
FRNC 370 Introduction to French Literature	3sh
FRNC 373 French Civilization	3sh
FRNC 432 French Phonetics and Phonology	3sh
FRNC 441 Advanced French Grammar	3sh

Controlled Electives:
 Any other 9sh from FRNC 253 and above (or study abroad) 9sh

Other Requirements: 0

Free Electives: 4-6

Total Degree Requirements: 124

Mathematics: 6cr, MATH 101 or higher
Social Science: ANTH 110, PSYC 101
Liberal Studies Electives: 3cr, no courses with FRNC prefix

College:	29
Pre-Professional Educational Sequence:	
COMM 103 Digital Instructional Technology	3cr
EDSP 102 Educational Psychology	3cr
Professional Education Sequence:	
EDEX 301 Education of Students with Disabilities in Inclusive Secondary Schools	2cr
EDSP 477 Assessment of Student Learning: Design and Interpretation of Educational Measures	3cr
EDUC 242 Pre-Student Teaching and Clinical Exp I	1cr
EDUC 342 Pre-Student Teaching and Clinical Exp II	1cr
EDUC 441 Student Teaching	12cr
EDUC 442 School Law	1cr
EDUC 453 Teaching of Foreign Languages in the Secondary School	3cr

Major:	36
Required Courses:	
FRNC 202 College French II	3cr
FRNC 331 Intermediate French Conversation	3cr
FRNC 341 French Grammar	3cr
FRNC 353 Intermediate French Composition	3cr
FRNC 370 Introduction to French Literature	3cr
FRNC 373 French Civilization	3cr
FRNC 390 Teaching Elementary School Content in French and German	3cr
FRNC 432 French Phonetics and Phonology	3cr
FRNC 441 Advanced French Grammar	3cr

Controlled Electives:
 Any other 9cr from FRNC 253 and above 9cr

Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements: 120

Rationale: FDED 102 has been removed and 3 additional credits added to Mathematics. Liberal Studies Electives have gone from 9cr to 3cr. Teaching language at the elementary level has been added to match the current certification. Free electives will now be 5 credits.

Current Program:

BS in Education—Secondary German Education (*)

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: 53-55

Social Science: PSYC 101
Liberal Studies Electives: no courses with GRMN prefix

College:	30
Professional Educational Sequence: (1)	
COMM 103 Digital Instructional Technology	3sh
EDSP 102 Educational Psychology	3sh
EDSP 477 Assessment of Student Learning: Design and Interpretation of Educational Measures	3sh

Proposed Program:

BS in Education— Secondary German Education (*)

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: 50

Mathematics: 6cr, MATH 101 or higher
Social Science: PSYC 101
Liberal Studies Electives: 3cr, no courses with GRMN prefix

College:	29
Pre-Professional Educational Sequence:	
COMM 103 Digital Instructional Technology	3cr
EDSP 102 Educational Psychology	3cr
Professional Education Sequence:	
EDEX 301 Education of Students with Disabilities in Inclusive Secondary Settings	2cr

EDUC 242	Pre-Student Teaching and Clinical Exp I	1sh
EDUC 342	Pre-Student Teaching and Clinical Exp II	1sh
EDUC 441	Student Teaching	12sh
EDUC 442	School Law	1sh
EDUC 453	Teaching of Foreign Languages in the Secondary School	3sh
FDED 102	American Education in Theory and Practice	3sh

EDSP 477	Assessment of Student Learning: Design and Interpretation of Educational Measures	3cr 1cr
EDUC 242	Pre-Student Teaching and Clinical Exp I	1cr
EDUC 342	Pre-Student Teaching and Clinical Exp II	12cr
EDUC 441	Student Teaching	1cr
EDUC 442	School Law	
EDUC 453	Teaching of Foreign Languages in the Secondary School	3cr

Major: 36

Required courses:

GRMN 221	Conversation III	2sh
GRMN 222	Conversation IV	2sh
GRMN 251	German III	3sh
GRMN 252	German IV	3sh(2)
GRMN 321	Advanced Conversation I	1sh
GRMN 322	Advanced Conversation II	1sh
GRMN 351	Advanced German Language I	3sh
GRMN 352	Advanced German Language II	3sh
GRMN 361	Development of German Culture and Literature I	3sh
GRMN 362	Development of German Culture and Literature II	3sh

Controlled electives: 9sh
Other GRMN electives

Other Requirements: 0

Free Electives: 6-8

Total Degree Requirements: 124

- (*) See requirements leading to teacher certification, titled "Admission to Teacher Education," in the College of Education and Educational Technology section of this catalog.
- (1) Special Education Competency Requirement: Revision pending will eliminate exam option and will require EDEX 301 (2sh).
- (2) GRMN 253 may be substituted for or taken in addition to GRMN 252.

Major: 36

Required courses:

GRMN 221	Conversation III	2cr
GRMN 222	Conversation IV	2cr
GRMN 251	German III	3cr
GRMN 252	German IV	3cr
GRMN 321	Advanced Conversation I	1cr
GRMN 322	Advanced Conversation II	1cr
GRMN 351	Advanced German Language I	3cr
GRMN 352	Advanced German Language II	3cr
GRMN 361	Development of German Culture and Literature I	3cr
GRMN 362	Development of German Culture and Literature II	3cr
GRMN 390	Teaching Elementary School Content in French and German	3cr

Controlled electives: 9cr
Other GRMN electives

Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements: 120

- (*) See requirements leading to teacher certification, titled "Admission to Teacher Education," in the College of Education and Educational Technology section of this catalog.

Rationale: Math has been increased by 6cr and Liberal Studies Electives has gone from 9cr to 3cr. FDED 102 has been removed and EDEX 301 has been added. GRMN 390 has been added because candidates are now certified to teach elementary education as well. There are going to be 5 free electives.

25. Department of Sociology—Program Revision (120)

PASSED

Current Program:

BS in Education— Social Science Education/ Sociology Concentration (*)

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: **53-55**

Social Science: ECON 121, PSYC 101, SOC 151
Liberal Studies Electives: ECON 122, GEOG 230, PLSC 346, no courses with SOC prefix

College: **32**

Professional Educational Sequence: (1)
COMM 103 Digital Instructional Technology 3sh

Proposed Program:

BS in Education— Social Science Education/ Sociology Concentration (*)

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: **48**

Mathematics: MATH 217 (recommended)
Humanities: History is fulfilled by courses in the major
Natural Science: BIOL 103-104 (recommended)
Social Science: ECON 121, PSYC 101, SOC 151
Liberal Studies Electives: 6cr, PSYC 310 or 330, no courses with SOC prefix

College: **32**

3 Additional cr of MATH 100 level or above (in addition to Liberal Studies MATH)(1) 3cr

EDEX 301	Education of Students with Disabilities in Inclusive Secondary Settings	2sh
EDSP 102	Educational Psychology	3sh
EDSP 477	Assessment of Student Learning: Design and Interpretation of Educational Measures	3sh
EDUC 242	Pre-Student Teaching and Clinical Exp I	1sh
EDUC 342	Pre-Student Teaching and Clinical Exp II	1sh
EDUC 441	Student Teaching	12sh
EDUC 442	School Law	1sh
EDUC 455	Teaching of Social Science in Secondary Schools	3sh
FDED 102	American Education in Theory and Practice	3sh

Pre-Professional Educational Sequence:		
COMM 103	Digital Instructional Technology	3cr
EDSP 102	Educational Psychology	3cr
Professional Education Sequence:		
EDEX 301	Education of Students with Disabilities in Inclusive Secondary Settings	2cr
EDSP 477	Assessment of Student Learning: Design and Interpretation of Educational Measures	3cr
EDUC 242	Pre-Student Teaching and Clinical Exp I	1cr
EDUC 342	Pre-Student Teaching and Clinical Exp II	12cr
EDUC 441	Student Teaching	1cr
EDUC 442	School Law	1cr
EDUC 455	Teaching of Social Studies in the Secondary Schools	3cr

Major:		36
Required Sociology or Related Courses:		
ANTH 211	Cultural Anthropology	3sh
SOC 151	Principles of Sociology	*sh(1)
SOC 231	Contemporary Social Problems	3sh
SOC 320	Sociological Theory	3sh
SOC 380	Social Research Methods	3sh
Controlled Electives:		9sh
One course recommended from each of the following Three areas of Sociology:		
Social Structures and Processes: SOC 336, 340, 341, 348, 352, 421, 458		
Social Problems: SOC 231, 251, 333, 335, 357, 362, 363, 427, 428		
Theory and Research: ANTH 317, SOC 301, 456, 457		
History Distributional Requirements:		6sh
Any two History courses which focus on the U.S.		3sh
Any Non-Western or World History Course		
Required Social Science Distribution:		3sh
GEOG 200 level or higher		3sh
PLSC 280 or 285		

Other Requirements: 0

Free Electives: 1-3

Total Degree Requirements: 124

- (*) See requirements leading to teacher certification, titled "Admissions to Teacher Education," in the College of Education and Educational Technology section of this catalog.
- (1) SOC 151 is counted as part of the 53-55sh Liberal Studies requirements.

Major:		21
Required Sociology Courses:		
SOC 231	Contemporary Social Problems	3cr
SOC 320	Social Theory	3cr
SOC 380	Social Research Methods	3cr
SOC 336	Sociology of the Family	3cr
Controlled Electives:		
One course from the following on Social Inequality: SOC 361, 362, 363		
Select two additional courses: One each from any two of the following three categories:		6cr
Deviance and Social Problems: SOC 269, 333, 335, 357, 427, 428, 452		
Individual in Society: SOC 251, 345		
Social Organizations and Institutions: SOC 286, 303, 337, 340, 341, 342, 348, 352, 361, 362, 363, 421, 448, 458		
History Distributional Requirements:		9
HIST 202, 204, 205		
Social Science Distribution Requirements:		9
GEOG 230 Cultural Geography		
PLSC 280 or 285		
ANTH 211		

Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements: 120

- (*) See requirements leading to teacher certification, titled "Admissions to Teacher Education," in the College of Education and Educational Technology section of this catalog.
- (1) Students are required to take an additional 3cr of MATH beyond the Liberal Studies requirements for a total of 6cr, all of which must be 100 level or above.
- (2) Courses counted toward Liberal Studies credits do not receive duplicate credits in the major.

Rationale: FDED 102 has been removed, and the state required second math course has been added. Liberal Studies electives are going from 9cr to 6cr. History 202 has replaced HIST 195 and has moved to the major from Liberal Studies. The new US History courses found in the other Social Science/Studies Tracks have been added and the configuration of the sociology/concentration has been altered. There is one Free elective.

26. Department of Nursing and Allied Health—Catalog Description Change and Program Revisions

PASSED

A. Catalog Description Change:

Current Catalog Description:

Medical Technology

Medical Technology encompasses the study of analytical and diagnostic procedures used in clinical laboratories and in medical research. Medical technologists/clinical laboratory scientists perform a variety of laboratory tests upon which the physician depends for accurate diagnosis, prognosis, and proper treatment of the patient. The program of studies, presented jointly by IUP and accredited medical technology programs in hospitals, prepares the student to enter the profession. Upon completion of the four-year program, the degree of Bachelor of Science degree in Medical Technology is granted. The program also prepares the student for graduate and professional schools.

IUP maintains short- and long-term affiliations with selected hospital schools. The Allied Health Professions coordinator provides student counseling and maintains a liaison with hospital schools. However, since admission to any hospital program is on a competitive basis, IUP cannot guarantee admission into any hospital program. The following programs maintain permanent agreements of affiliation with IUP: Abington Memorial Hospital, Abington; Altoona Hospital, Altoona; Elkins Park Hospital, Elkins Park; Lancaster General College of Nursing and Health Sciences, Lancaster; Reading Hospital and Medical Center, Reading; St. Vincent Health Center, Erie; University of Hartford, West Hartford, Connecticut; and York Hospital, York. Other temporary affiliations are negotiated for the convenience of the student. Completion of academic studies at IUP and of one year of clinical experience qualifies the student to take a national certification examination. Successful results on this examination lead to certification as a professionally qualified medical technologist/clinical laboratory scientist.

Nuclear Medicine Technology

Nuclear Medicine is the medical specialty that utilizes the nuclear properties of radioactive and stable nuclides to make diagnostic evaluations of the anatomic or physiologic conditions of the body and to provide therapy with unsealed radioactive sources. A nuclear medicine technologist's skills complement those of the nuclear medicine physician.

The nuclear medicine technologist is a highly trained individual who has completed an approved course of study in the theory of nuclear medicine technology. This allied health profession utilizes radioactive materials for the diagnosis of various pathological disease states and for the treatment of some specific disorders. The American College of Radiology, American Medical Association, American College of Medical Technology, American Society of Technologists, Society of Nuclear Medicine, and the Society of Medicine-Technologist Section cooperate to establish, maintain, and promote appropriate standards of quality for educational programs in nuclear medicine technology.

The program leading to a Bachelor of Science degree in Nuclear Medicine Technology consists of three years of study at IUP and one year at the University of Findlay/Nuclear Medicine Institute in Findlay, Ohio. Students must achieve a GPA of 2.25 in the Natural Sciences and Mathematics to be considered for admission to the Nuclear Medicine Institute. Since admission to the Nuclear Medicine Institute is competitive, IUP cannot guarantee admission into the institute's program.

Proposed Catalog Description:

Clinical Laboratory Science

Clinical Laboratory Science encompasses the study of analytical and diagnostic procedures used in clinical laboratories and in medical research. Clinical Laboratory Scientists (also known as Medical Technologists)

perform a variety of laboratory tests upon which the physician depends for accurate diagnosis, prognosis, and proper treatment of the patient. The program of studies, presented jointly by IUP and accredited clinical laboratory science programs in hospitals, prepares the student to enter the profession. Upon completion of the four-year program, the degree of Bachelor of Science degree in Clinical Laboratory Science is granted. The program also prepares the student for graduate and professional schools.

IUP maintains affiliations with accredited Schools of Clinical Laboratory Science/Medical Technology. To be competitive for clinical placement the student must have a minimum overall GPA and Math/Science GPA of 2.5. Since admission to any hospital program is on a competitive basis, IUP cannot guarantee admission.

The following programs maintain agreements of affiliation with IUP: Abington Memorial Hospital, Abington; Altoona Hospital, Altoona; Conemaugh Memorial Medical Center, Johnstown; Graduate Hospital, Philadelphia; Lancaster General College of Nursing and Health Sciences, Lancaster; Reading Hospital and Medical Center, Reading; St. Vincent Health Center, Erie; and York Hospital, York.

Completion of academic studies at IUP and of one year of clinical experience qualifies the student to take a national certification examination. Successful results on this examination lead to certification as a professionally qualified medical technologist/clinical laboratory scientist.

Nuclear Medicine Technology

Nuclear Medicine Technology is a medical specialty in which allied health care professionals, under the direction of a nuclear medicine physician, use radioactive materials in the diagnosis and treatment of disease. They are responsible for patient education and preparation regarding the nuclear medicine procedures, administration of radiopharmaceuticals, performing complex computer imaging studies, and radiation safety procedures for both patients and staff. The nuclear medicine technologist's skills complement those of the nuclear medicine physician.

The College of Health and Human Services offers a curriculum leading to the Bachelor of Science degree in Nuclear Medicine Technology. Students are admitted to the nuclear medicine technology major as freshmen. Transfer students and those with a previous degree may also be admitted. The program of study leading to a Bachelor of Science degree in Nuclear Medicine Technology consists of three years of pre-clinical study on the IUP main campus and one year of clinical study at the Nuclear Medicine Institute, University of Findlay, Findlay, Ohio. The Nuclear Medicine Institute program is fully accredited by the Joint Review Committee on Educational Programs in Nuclear Medicine Technology. Graduates of the program are eligible to take the Nuclear Medicine Technology national certificate examination offered by the Nuclear Medicine Technology Certification Board (NMTCB) and the American Registry of Radiologic Technologists (ARRT). The granting of the degree is not contingent upon passing the examinations.

Students must achieve a GPA of 2.25 in the Natural Sciences and Mathematics and an overall GPA of 2.5 to be considered for admission to the Nuclear Medicine Institute. Admission is competitive; IUP cannot guarantee admission into the institute's program. Information regarding special requirements for the clinical year is available in the department's office.

B. Program Revisions:

BS — Nursing

Current Program:

Liberal Studies:

Mathematics: MATH 217

Natural Sciences: CHEM 101-102

Proposed Program:

55-56 Liberal Studies:

Mathematics: MATH 217

Natural Sciences: CHEM 101-102

48

Social Science: PSYC 101, SOC 151
Liberal Studies Electives: PSYC 310, PHYS 151-161, no course with NURS prefix

Social Science: PSYC 101, SOC 151
Liberal Studies Electives: 3cr, PSYC 310, no courses with NURS prefix

Major:	52-55	Major:	52-55
Other Requirements:	16	Other Requirements:	16
Free Electives:	0-1	Free Electives: enough credits beyond those listed above to total 120 credits.	
Total Degree Requirements:	124-127	Total Degree Requirements:	120

BS – Nursing/Registered Nurse Track

Current Program:		Proposed Program:	
Liberal Studies:	51-53	Liberal Studies:	48
Mathematics: MATH 217		Mathematics: MATH 217	
		Liberal Studies Electives: 3cr, no courses with NURS prefix	
Major:	59	Major:	59
Free Electives:	12-14	Free Electives: enough credits beyond those listed above to total 120 credits.	
Total Degree Requirements:	124-127	Total Degree Requirements:	120

Rationale: Liberal Studies electives are being reduced from 9cr to 3cr, which will make the number of free electives 1-4 in the BS-Nursing degree and 13 credits in the RN Track.

**Current Program:
BS–Nuclear Medicine Technology**

**Proposed Program:
BS–Nuclear Medicine Technology**

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:
Mathematics: MATH 217
Natural Science: CHEM 101-102
Social Science: PSYC 101, SOC 151
Liberal Studies Electives: BTED/COSC/IFMG 101 plus three Liberal Studies electives or two Liberal Studies elective courses and one Synthesis course

54-55 **Liberal Studies:** As outlined in the Liberal Studies section with the following specifications:
Mathematics: MATH 217
Natural Science: CHEM 101-102
Social Science: PSYC 101, SOC 151
Liberal Studies Electives: 9cr, BTED/COSC/IFMG 101, MATH 217, PHYS 111

Major:	32
Required Courses: (1)	
NMDT 427 Nuclear Scintigraphy	3sh
NMDT 428 Radiation Physics	3sh
NMDT 429 Nuclear Medicine Instrumentation	3sh
NMDT 430 Radiation Biology and Radiation Protection	2sh
NMDT 431 In Vivo/In Vitro Non-Imaging	1sh
NMDT 432 Radiopharmaceuticals	3sh
NMDT 433 Introduction to Tomographic Imaging	1sh
NMDT 434 Clinical Nuclear Medicine	16sh

Major:	32
Required Courses: (1)	
NMDT 427 Nuclear Scintigraphy	3cr
NMDT 428 Radiation Physics	3cr
NMDT 429 Nuclear Medicine Instrumentation	3cr
NMDT 430 Radiation Biology and Radiation Protection	2cr 1cr
NMDT 431 In Vivo/In Vitro Non-Imaging	3cr
NMDT 432 Radiopharmaceuticals	1cr
NMDT 433 Introduction to Tomographic Imaging	16cr
NMDT 434 Clinical Nuclear Medicine	

Other Requirements:	21
BIOL 105 Cell Biology	3sh
BIOL 150 Human Anatomy	3sh
BIOL 151 Human Physiology	4sh
PHYS 111 Physics I Lecture	3sh
PHYS 121 Physics I Lab	1sh
PHYS 112 Physics II Lecture	3sh
PHYS 122 Physics II Lab	1sh

Other Requirements:	18
BIOL 105 Cell Biology	3cr
BIOL 150 Human Anatomy	3cr
BIOL 151 Human Physiology	3cr
PHYS 121 Physics I Lab	4cr
PHYS 112 Physics II Lecture	3cr
PHYS 122 Physics II Lab	1cr
ENGL 310 Public Speaking	3cr
	1cr

Required Courses:	3
ENGL 310 Public Speaking	

Free Electives:	17	Free Electives: enough credits beyond those listed above to total 120 credits.	
Total Degree Requirements:	124-125	Total Degree Requirements:	120

Rationale: Liberal Studies specifications are changing and the option to take 3 Liberal Studies electives plus Synthesis. The number of credit hours for free electives is going from 17 to 19 and the number of credit hours for Other Requirements is going from 21 to 18. The catalog description change reflects an updating of the program, clarification of career choices, and accreditation status. The Joint Review Committee on Educational Programs in Nuclear Medicine Technology Essentials requires that all students take two courses in mathematics, MATH 105 College Algebra and MATH 217 Probability and Statistics. The current curricular sequence only requires MATH 217. This proposal puts the curricular sequence in compliance with the committee's essentials. By allowing students to count MATH 217 and PHYS 111 as liberal studies electives the number of free electives is increased. This gives the student more options to pursue minors, certificates, or other areas of academic interest. Previously, students were given the option of completing Microbased Computer Literacy plus three additional Liberal Studies electives or Microbased Computer Literacy plus 2 additional Liberal Studies electives and Synthesis. This second option is eliminated. NMDT students study off campus in their senior year leaving only the second semester junior year in which they could consider the Synthesis option. Few students have elected the Synthesis option because of scheduling demands. Increasing the number of free elective credits gives the student more options to pursue minors, certificates, or other areas of academic interest. Waiving the Synthesis requirement is consistent with the practice for the Medical Technology curriculum that also places students off campus during their final year. There will be 19 credits of free electives.

BS—Medical Technology

Liberal Studies: As follows: **45-47**
Composition: ENGL 101, 202
Humanities: three courses--one in each area (PHIL 222 recommended)
Fine Arts: one course

Mathematics: MATH 110 or higher level
Natural Science: CHEM 111-112
Social Science: three courses
Health and Wellness/ROTC: H&W recommended
Liberal Studies Electives: PHYS 111
Synthesis: not required
Writing Intensive: one required

Major: **32**
Required Courses: (1)

MEDT 494	Clinical Microbiology	8sh
MEDT 495	Clinical Chemistry	10sh
MEDT 496	Clinical Hematology/Coagulation	6sh
MEDT 497	Clinical Immunohematology	4sh
MEDT 498	Clinical Immunology/Serology	2sh
MEDT 499	Clinical Seminar	2sh

Other Requirements: Science sequence **37-39**
Required Courses:

BIOL 111	Principles of Biology I	4sh
BIOL 250	Principles of Microbiology	3sh
BIOL 364	Immunology	3sh
CHEM 231	Organic Chemistry I	4sh
CHEM 232	Organic Chemistry II	4sh
CHEM 323	Analytical Methods	4sh
CHEM 351	Biochemistry	4sh
PHYS 121	Physics I Lab	1sh
PHYS 112/122	Physics II Lecture/Lab	4sh

Controlled Electives:
 Two courses from the following: BIOL 112, 120, 151, 263, 331, 350, 352, 360, 432, 466, 476 **6sh**

BS—Clinical Laboratory Science

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: **48**

Mathematics: MATH 217
Natural Science: CHEM 111-112

Liberal Studies Electives: 6cr, PHYS 111
Synthesis: not required
Writing Intensive: one required

Major: **32**
Required Courses: (1) **8cr**

MEDT 494	Clinical Microbiology	10cr
MEDT 495	Clinical Chemistry	6cr
MEDT 496	Clinical Hematology/Coagulation	4cr
MEDT 497	Clinical Immunohematology	2cr
MEDT 498	Clinical Immunology/Serology	2cr
MEDT 499	Clinical Seminar	

Other Requirements: **38**

BIOL 111	Principles of Biology	4cr
BIOL 150	Human Anatomy	3cr
BIOL 151	Human Physiology	4cr
BIOL 250	Principles of Microbiology	3cr
BIOL 364	Immunology	3cr
CHEM 231	Organic Chemistry I	4cr
CHEM 232	Organic Chemistry II	4cr
CHEM 323	Analytical Methods	4cr
CHEM 351	Biochemistry	4cr
PHYS 121	Physics I Lab	1cr
PHYS 112	Physics II	3cr
PHYS 122	Physics II Lab	1cr

Free Electives: enough credits beyond those listed above to total 120 credits.

Free Electives:

advisory paragraph "Timely Completion of Degree Requirements" in the section on Requirements for Graduation.

- (1) These courses are offered by affiliating hospital-based Schools of Clinical Laboratory Science (also known as Medical Technology). Areas of study are consistent with requirements of the National Accrediting Agency for Clinical Laboratory Sciences and are completed during the final twelve months of the degree program at an affiliating school.

6-10 Total Degree Requirements:

120

- (1) These courses are offered by affiliating hospital-based Schools of Clinical Laboratory Science (also known as Medical Technology). Areas of study are consistent with requirements of the National Accrediting Agency for Clinical Laboratory Sciences and are completed during the final twelve months of the degree program at an affiliating school.

Rationale: The program name has changed from Medical Technology to Clinical Laboratory Science. Clinical Laboratory Science is the preferred title for this degree program and is recognized by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) and the two professional associations: American Society of Clinical Pathologists (ASCP), and the American Society for Clinical Laboratory Specialist (ASCLS). The catalog description change reflects an updating of the program, clarification of career choices, accreditation status. NAACLS has recently revised accreditation criteria and is now requiring Probability and Statistics, Anatomy and Physiology. This proposal puts the curriculum requirements in compliance with the NAACLS accreditation criteria. There will be 2 credits of free electives.

27. Department of Computer Science - Program Revisions (120)

PASSED

Current Program:

Bachelor of Arts - Computer Science

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 123 (or MATH 121 and 122)

Liberal Studies Electives: MATH 216 (or MATH 214 or 217), no courses with COSC prefix

Major:

Required Courses:

COSC 105	Fundamentals of Computer Science	3sh
COSC 110	Problem Solving and Structured Programming	3sh
COSC 210	Object Oriented and GUI Programming	3sh
COSC 220	Applied Computer Programming	4sh.
COSC 300	Assembly Language Programming	3sh
COSC 310	Data Structures and Algorithms	3sh
COSC 341	Intro to Database Management Systems	3sh
COSC 380	Seminar on the Computer Profession	1sh
COSC 480	Seminar on Technical Topics	1sh
Controlled Electives:		
Select 6sh from the following: (1)		
COSC 250	Introduction to Numerical Methods	3sh
COSC 304	Interactive Internet Programming with Java	3sh
COSC 319	Software Engineering Concepts	3sh
COSC 320	Software Engineering Practice	3sh
COSC 344	Productivity Tools and 4th Generation Languages	3sh
COSC 345	Data Communications	3sh
COSC/IFMG 354	Testing and Controlling LANs	3sh
COSC 355	Computer Graphics	3sh
COSC 360	IBM Job Control Language	1sh
COSC 362	Unix Systems	3sh
COSC 481	Special Topics in Computer Science (only sections approved for majors)	1-4sh
COSC 482	Independent Study	1-4sh
COSC 493	Internship in Computer Science	12sh(2)
IFMG 455	Data Warehousing & Mining	3sh
Upper-level Electives by Categories:		
		6sh(3)

Proposed Program:

Bachelor of Arts - Computer Science

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 123 (1)

Liberal Studies Electives: 4cr, MATH 216 (1)

Major:

Required Courses:

COSC 105	Fundamentals of Computer Science	3cr
COSC 110	Problem Solving and Structured Programming	3cr
COSC 210	Object Oriented and GUI Programming	3cr
COSC 220	Applied Computer Programming	4cr
COSC 300	Assembly Language Programming	3cr
COSC 310	Data Structures and Algorithms	3cr
COSC 341	Intro to Database Management Systems	3cr
COSC 380	Seminar on the Computer Profession	1cr
COSC 480	Seminar on Technical Topics	1cr
Controlled Electives:		
Select 6sh from the following: (1)		
COSC 250	Introduction to Numerical Methods	3cr
COSC 304	Interactive Internet Programming with Java	3cr
COSC 316	Cybersecurity Basics	3cr(3)
COSC 319	Software Engineering Concepts	3cr
COSC 320	Software Engineering Practice	3cr
COSC 344	Productivity Tools and 4th Generation Languages	3cr
COSC 345	Data Communications	3cr
COSC/IFMG 354	Testing and Controlling LANs	3cr
COSC 355	Computer Graphics	3cr
COSC 356	Network Security	3cr
COSC 360	IBM Job Control Language	1cr
COSC 362	Unix Systems	3cr
COSC 481	Special Topics in Computer Science (only sections approved for majors)	1-4cr
COSC 482	Independent Study	1-4cr
COSC 493	Internship in Computer Science	12cr(4)

Computer Architecture: COSC 410
 Theory of Languages: COSC 419, 420, 424, 460
 Systems Programming: COSC 430, 432
 Numerical Methods: COSC 450, 451
 Artificial Intelligence: COSC 405
 Database Management: COSC 415

IFMG 455 Data Warehousing & Mining 3cr
Upper-level Electives by Categories: 6cr(5)
 Computer Architecture: COSC 410
 Theory of Languages: COSC 419, 420, 424, 460
 Systems Programming: COSC 430, 432
 Numerical Methods: COSC 450, 451
 Artificial Intelligence: COSC 405
 Database Management: COSC 415

Other Requirements:

6 -22

Additional Writing:

ENGL 322 Technical Writing 3sh
 Foreign Language Intermediate Level 0-6sh(4)

3sh
 0-6sh(4)
 3-13sh(5)

Other Requirements:

6 -18

Additional Writing:

ENGL 322 Technical Writing 3cr
 Foreign Language Intermediate Level 0-6cr(4)

Additional Mathematics:

MATH 123 Calculus I for Physics, Chemistry and Mathematics (MATH 121 and 122 may be substituted)

Additional Mathematics:

MATH 219 Discrete Mathematics 3-9cr(1)

MATH 216 Probability and Statistics for Natural Sciences (MATH 363 and 364, MATH 214 and 417, or MATH 217 and 417 may be substituted)

MATH 219 Discrete Mathematics

Free Electives: (1)

8-27

Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements:

124

Total Degree Requirements:

120

- (1) Select at least 6sh from the list of controlled electives and/or the list of upper-level electives. Note: Only 4sh of COSC 493 may be counted toward these 6sh.
- (2) COSC 493 may be selected in either the second semester of the junior year or the first semester of the senior year. If COSC 493 is selected and approved, COSC 380 should be taken in the immediately preceding semester
- (3) Select at least two additional courses, from at least two different categories, from the list of upper-level electives.
- (4) Foreign Language intermediate-level courses are counted as Liberal Studies electives.
- (5) Any of the Mathematics options satisfy the Learning Skill requirement, and one course may be counted as a Liberal Studies elective. The three-credit minimum applies to students who take MATH 123 and 216. The thirteen-credit maximum applies to students who take the MATH 121and 122 calculus options and the MATH 363-364 statistics option.

- (1) MATH 123 can be substituted by taking both MATH 121 and 122. MATH 216 can be substituted by taking both MATH 214 and 417 or both MATH 217 and 417. The three-credit minimum applies to students who take MATH 123 and 216. The nine-credit maximum applies to students who do not take MATH 123 and MATH 216 but choose alternatives in addition to MATH 219.
- (2) Select at least 6cr from the list of controlled electives. Note: Only 4cr of COSC 493 may be counted toward these 6cr.
- (3) COSC 316 cannot be counted for major credit if a student does an Information Assurance minor.
- (4) COSC 493 may be selected in either the second semester of the junior year or the first semester of the senior year. If COSC 493 is selected and approved, COSC 380 should be taken in the immediately preceding semester.
- (5) Select at least two additional courses, from at least two different categories, from the list of upper-level electives.

Current Program:

Bachelor of Arts - Computer Science /Applied Computer Science Track

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: **54-58**

Mathematics: MATH 123 (or MATH 121 and 122)

Liberal Studies Electives: MATH 216 (or MATH 214 or 217), no courses with COSC prefix

Major: **36**

Required Courses:

COSC 105 Fundamentals of Computer Science 3sh
 COSC 110 Problem Solving and Structured Programming 3sh
 COSC 210 Object Oriented and GUI Programming 3sh
 COSC 220 Applied Computer Programming 4sh
 COSC 300 Assembly Language Programming 3sh
 COSC 310 Data Structures and Algorithms 3sh
 COSC 319 Software Engineering Concepts 3sh
 COSC 341 Intro to Database Management Systems 3sh
 COSC 380 Seminar on the Computer Profession 1sh
 COSC 480 Seminar on Technical Topics 1sh
 Select one of the following two courses: (1)
 COSC 304 Interactive Internet Programming with JAVA 3sh

Proposed Program:

Bachelor of Arts - Computer Science /Applied Computer Science Track

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: **50**

Mathematics: MATH 123 (1)

Liberal Studies Electives: 4cr, MATH 216 (1)

Major: **39**

Required Courses:

COSC 105 Fundamentals of Computer Science 3cr
 COSC 110 Problem Solving and Structured Programming 3cr
 COSC 210 Object Oriented and GUI Programming 3cr
 COSC 220 Applied Computer Programming 4cr
 COSC 300 Assembly Language Programming 3cr
 COSC 310 Data Structures and Algorithms 3cr
 COSC 319 Software Engineering Concepts 3cr
 COSC 341 Intro to Database Management Systems 3cr
 COSC 380 Seminar on the Computer Profession 1cr
 COSC 480 Seminar on Technical Topics 1cr
 Select one of the following two courses: (2)
 COSC 304 Interactive Internet Programming with JAVA 3cr

COSC 344 Productivity Tools and Fourth Generation Languages 3sh
 Select one of the following two courses: (2)
 COSC 320 Software Engineering Practice 3sh
 COSC 493 Internship in Computer Science 12sh(3)
Controlled Electives:
 Select 3sh from the following: (4)
 COSC 250 Introduction to Numerical Methods 3sh
 COSC 345 Data Communications 3sh
 COSC/IFMG 354 Testing and Controlling LANs 3sh
 COSC 355 Computer Graphics 3sh
 COSC 360 IBM Job Control Language 1sh
 COSC 362 UNIX Systems 3sh
 COSC 481 Special Topics in Computer Science 1-4sh
 (only sections approved for majors)
 COSC 482 Independent Study 1-4sh
 IFMG 455 Data Warehousing & Mining 3sh
 Upper-level Electives by Categories: Select 3sh from the following: (5)
 Computer Architecture: COSC 410
 Database Management: COSC 415
 Theory of Languages: COSC 419, 420, 424, 460
 Systems Programming: COSC 430, 432
 Numerical Methods: COSC 450, 451
 Artificial Intelligence: COSC 405

Other Requirements: 6 -22
Additional Writing:
 ENGL 322 Technical Writing 3sh
 Foreign Language Intermediate Level 0-6sh(6)
 Additional Mathematics: 3-13sh(7)
 MATH 123 Calculus I for Physics, Chemistry and Mathematics (MATH 121 and 122 may be substituted)
 MATH 216 Probability and Statistics for Natural Sciences (MATH 363 and 364, MATH 214 and 417, or MATH 217 and 417 may be substituted)
 MATH 219 Discrete Mathematics
 Complete a minor from one of the following areas from: 7-18
 Any department in the College of Natural Sciences and Mathematics 6-18sh
 Designated Business courses 18sh
 Designated Economics courses 15sh
 Designated Geography courses 15sh
 Designated Communications Media courses 18sh

Free Electives: 0-19

Total Degree Requirements: 124

- (1) Select at least 6sh from the list of controlled electives and/or the list of upper-level electives. Note: Only 4sh of COSC 493 may be counted toward these 6sh.
- (2) COSC 493 may be selected in either the second semester of the junior year or the first semester of the senior year. If COSC 493 is selected and approved, COSC 380 should be taken in the immediately preceding semester
- (3) Select at least two additional courses, from at least two different categories, from the list of upper-level electives.
- (4) Foreign Language intermediate-level courses are counted as Liberal Studies electives.
- (5) Any of the Mathematics options satisfy the Learning Skill requirement, and one course may be counted as a Liberal Studies elective. The three-credit minimum applies to students who take MATH 123 and 216. The thirteen-credit maximum applies to students who take the MATH 121and 122 calculus options and the MATH 363-364 statistics option.

COSC 344 Productivity Tools and Fourth Generation Languages 3cr
 Select one of the following two courses: (3)
 COSC 320 Software Engineering Practice 3cr
 COSC 493 Internship in Computer Science 12cr(4)
Controlled Electives:
 Select 3cr from the following: (4)
 COSC 250 Introduction to Numerical Methods 3cr
 COSC 316 Cybersecurity Basics 3cr(6)
 COSC 345 Data Communications 3cr
 COSC/IFMG 354 Testing and Controlling LANs 3cr
 COSC 355 Computer Graphics 3cr
 COSC 356 Network Security 3cr
 COSC 360 IBM Job Control Language 1cr
 COSC 362 UNIX Systems 3cr
 COSC 481 Special Topics in Computer Science 1-4cr
 (only sections approved for majors)
 COSC 482 Independent Study 1-4cr
 IFMG 455 Data Warehousing & Mining 3cr
 Upper-level Electives by Categories: Select 3cr from the following: 3cr(7)
 Computer Architecture: COSC 410
 Database Management: COSC 415
 Theory of Languages: COSC 419, 420, 424, 460
 Systems Programming: COSC 430, 432
 Numerical Methods: COSC 450, 451
 Artificial Intelligence: COSC 405

Other Requirements: 6 -12
Additional Writing:
 ENGL 322 Technical Writing 3cr
 Foreign Language Intermediate Level 0-6cr(4)
 Additional Mathematics: 3cr(1)
 MATH 219 Discrete Mathematics 3cr(1)

Complete a minor from one of the following areas from: 7-18
 Any department in the College of Natural Sciences and Mathematics 6-18cr
 Designated Business courses 18cr
 Designated Economics courses 15cr
 Designated Geography courses 15cr
 Designated Communications Media courses 18cr

Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements: 120

- (1) MATH 123 can be substituted by taking both MATH 121 and 122. MATH 216 can be substituted by taking both MATH 214 and 417 or both MATH 217 and 417. The three credit minimum applies to students who take MATH 123 and 216. The nine-credit maximum applies to students who do not take MATH 123 and MATH 216 but choose alternatives in addition to MATH 219.
- (2) Credit for both COSC 304 and 344 may be counted toward the degree, but only one will be counted toward the major requirements.
- (3) Credit for both COSC 320 and 493 may be counted toward the degree, but only one will be counted toward the major requirements.
- (4) COSC 493 may be selected in either the second semester of the junior year or the first semester of the senior year. If COSC 493 is selected and approved, COSC 380 may be taken in the immediately preceding semester.
- (5) Select at least 3cr from the list of controlled elective and/or the list of upper-level electives.
- (6) COSC 316 cannot be counted for major credit if a student does an Information Assurance minor.
- (7) Select at least one additional course from list of upper

level electives.

Current Program:

Bachelor of Arts – Computer Science /Language and Systems Track

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: **54-58**

Mathematics: MATH 123 (or MATH 121 and 122)

Liberal Studies Electives: MATH 124, no courses with COSC prefix

Major: **42**

Required Courses:

COSC 105	Fundamentals of Computer Science	3sh
COSC 110	Problem Solving and Structured Programming	3sh
COSC 210	Object Oriented and GUI Programming	3sh
COSC 220	Applied Computer Programming	4sh
COSC 300	Assembly Language Programming	3sh
COSC 310	Data Structures and Algorithms	3sh
COSC 319	Software Engineering Concepts	3sh
COSC 341	Intro to Database Management Systems	3sh
COSC 380	Seminar on the Computer Profession	1sh
COSC 410	Processor Architecture and Microprogramming	3sh
COSC 420	Modern Programming Languages	3sh
COSC 432	Introduction to Operating Systems	3sh
COSC 480	Seminar on Technical Topics	1sh

Controlled Electives:

Select 6sh from the following: (1)

COSC 250	Introduction to Numerical Methods	3sh
COSC 304	Interactive Internet Programming with JAVA	3sh(2)
COSC 320	Software Engineering Practice	3sh(3)
COSC 344	Productivity Tools and Fourth Generation Languages	3sh(2)
COSC 345	Data Communications	3sh
COSC/IFMG 354	Testing and Controlling LANs	3sh
COSC 355	Computer Graphics	3sh
COSC 360	IBM Job Control Language	1sh
COSC 362	UNIX Systems	3sh
COSC 405	Artificial Intelligence	3sh
COSC 415	Internet Architecture and Programming	3sh
COSC 419	Software Development with ADA	3sh
COSC 424	Compiler Construction	3sh
COSC 430	Intro to Systems Programming	3sh
COSC 450	Applied Numerical Methods	3sh
COSC 451	Numerical Methods for Supercomputers	3sh
COSC 460	Theory of Computation	3sh
COSC 481	Special Topics in Computer Science (only sections approved for majors)	1-4sh
COSC 482	Independent Study	1-4sh
COSC 493	Internship in Computer Science	12sh(4)
IFMG 455	Data Warehousing & Mining	3sh

Other Requirements: **13-25**

Additional Writing:

ENGL 322	Technical Writing	3sh
	Foreign Language Intermediate Level	0-6sh(5)
	Mathematics: A minor in mathematics including the following courses	10-15sh
MATH 123	Calculus I for Physics, Chemistry and Mathematics (MATH 121 and 122 may be substituted)	(6)
MATH 124	Calculus II for Physics, Chemistry, and Mathematics	

Proposed Program:

Bachelor of Arts – Computer Science /Language and Systems Track

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: **50**

Mathematics: MATH 123 (1)

Liberal Studies Electives: 4cr, MATH 124

Major: **42**

Required Courses:

COSC 105	Fundamentals of Computer Science	3cr
COSC 110	Problem Solving and Structured Programming	3cr
COSC 210	Object Oriented and GUI Programming	3cr
COSC 220	Applied Computer Programming	4cr
COSC 300	Assembly Language Programming	3cr
COSC 310	Data Structures and Algorithms	3cr
COSC 319	Software Engineering Concepts	3cr
COSC 341	Intro to Database Management Systems	3cr
COSC 380	Seminar on the Computer Profession	1cr
COSC 480	Seminar on Technical Topics	1cr
Select 9cr from the following upper-level electives:		
COSC 405	Artificial Intelligence	3cr
COSC 410	Processor Architecture and Microprogramming	3cr
COSC 420	Modern Programming Languages	3cr
COSC 424	Compiler Construction	3cr
COSC 432	Introduction to Operating Systems	3cr
COSC 460	Theory of Computation	3cr

Controlled Electives:

Select 6cr from the following: (2)

COSC 250	Introduction to Numerical Methods	3cr
COSC 304	Interactive Internet Programming with JAVA	3cr(3)
COSC 316	Cybersecurity Basics	3cr(4)
COSC 320	Software Engineering Practice	3cr(5)
COSC 344	Productivity Tools and Fourth Generation Languages	3cr(3)
COSC 345	Data Communications	3cr
COSC/IFMG 354	Testing and Controlling LANs	3cr
COSC 355	Computer Graphics	3cr
COSC 356	Network Security	3cr
COSC 360	IBM Job Control Language	1cr
COSC 362	UNIX Systems	3cr
COSC 415	Internet Architecture and Programming	3cr
COSC 419	Software Development with ADA	3cr
COSC 427	Cryptography	3cr
COSC 430	Intro to Systems Programming	3cr
COSC 450	Applied Numerical Methods	3cr
COSC 451	Numerical Methods for Supercomputers	3cr
COSC 481	Special Topics in Computer Science (only sections approved for majors)	1-4cr
COSC 482	Independent Study	1-4cr
COSC 493	Internship in Computer Science	12cr(5,6)
IFMG 455	Data Warehousing & Mining	3cr

Other Requirements: **13-19**

Additional Writing:

ENGL 322	Technical Writing	3cr
	Foreign Language Intermediate Level	0-6cr
	Mathematics: A minor in mathematics including the following courses: (7)	10cr
MATH 123	Calculus I (MATH 121 and 122 may be substituted)	
MATH 124	Calculus II	
MATH 171	Introduction to Linear Algebra	
MATH 216	Probability and Statistics for Natural	

MATH 171 Introduction to Linear Algebra
 MATH 216 Probability and Statistics for Natural Sciences (MATH 363 and 364, MATH 214 and 417, or MATH 217 and 417 may be substituted)
 MATH 219 Discrete Mathematics

Sciences
 MATH 219 Discrete Mathematics

Free Electives:

0-15 Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements:

124

- (1) Select at least 6sh from the list of controlled electives. Note: Only 4sh of COSC 493 may be counted toward these 9sh.
- (2) Credit for both COSC 304 and 344 may be counted toward the degree, but only one will be counted toward the major requirements.
- (3) Credit for both COSC 320 and 493 may be counted toward the degree, but only one will be counted toward the major requirements.
- (4) COSC 493 may be selected in either the second semester of the junior year or the first semester of the senior year. If COSC 493 is selected and approved, COSC 380 may be taken in the immediately preceding semester.
- (5) Foreign Language intermediate-level courses are counted as Liberal Studies electives.
- (6) Credit for MATH 123 and 124 are counted in Liberal Studies.

Total Degree Requirements:

120

- (1) MATH 123 can be substituted by taking both MATH 121 and 122.
- (2) Select at least 6cr from the list of controlled electives. Note: Only 4cr of COSC 493 may be counted toward these 6cr.
- (3) Credit for both COSC 304 and 344 may be counted toward the degree, but only one will be counted toward the major requirements.
- (4) COSC 316 cannot be counted for major credit if a student does an Information Assurance minor.
- (5) Credit for both COSC 320 and 493 may be counted toward the degree, but only one will be counted toward the major requirements.
- (6) COSC 493 may be selected in either the second semester of the junior year or the first semester of the senior year. If COSC 493 is selected and approved, COSC 380 may be taken in the immediately preceding semester.
- (7) In addition to MATH 171, 216 and 219, MATH 123-124 (taken as Liberal Studies requirement) are also counted towards the minor.

Current Program:

Bachelor of Science- Computer Science/ Information Assurance Track

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: MATH 123 (or MATH 121 and 122)

Liberal Studies Electives: MATH 216 (or MATH 217 or 417), no courses with COSC prefix

Major:

56-58

Required Courses:

COSC 105	Fundamentals of Computer Science	3sh
COSC 110	Problem Solving and Structured Programming	3sh
COSC 210	Object Oriented and GUI Programming	3sh
COSC 220	Applied Computer Programming	4sh
COSC 300	Assembly Language Programming	3sh
COSC 310	Data Structures and Algorithms	3sh
COSC 319	Software Engineering Concepts	3sh
COSC 341	Intro to Database Management Systems	3sh
COSC 380	Seminar on the Computer Profession	1sh
COSC 480	Seminar on Technical Topics	1sh

Information Assurance Required Courses:

COSC 316	Cybersecurity Basics	3sh
COSC 356	Network Security	3sh
Select one of the following:		
COSC 320	Software Engineering Practice	3sh
COSC 493	Internship (Information Assurance)	12sh(1)

Controlled Electives: Select 3sh from the following:

COSC 345	Data Communications	3sh
COSC/IFMG 354	Testing and Controlling LANs	3sh
COSC 362	UNIX Systems	3sh
COSC 481	Special Topics in Computer Science (only sections approved for majors)	3sh
IFMG 382	Auditing for EDP Systems	3sh

Upper-Level Electives: Select 3sh from the following:

COSC 415	Internet Architecture and Programming	3sh
COSC 432	Operating Systems	3sh

Proposed Program:

Bachelor of Science- Computer Science/ Information Assurance Track

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Social Science: CRIM 101 (1)

Mathematics: MATH 123 (1)

Liberal Studies Electives: 4cr, MATH 216 (2)

Major:

50

Required Courses:

COSC 105	Fundamentals of Computer Science	3cr
COSC 110	Problem Solving and Structured Programming	3cr
COSC 210	Object Oriented and GUI Programming	3cr
COSC 220	Applied Computer Programming	4cr
COSC 300	Assembly Language Programming	3cr
COSC 310	Data Structures and Algorithms	3cr
COSC 319	Software Engineering Concepts	3cr
COSC 341	Intro to Database Management Systems	3cr
COSC 380	Seminar on the Computer Profession	1cr
COSC 480	Seminar on Technical Topics	1cr

Information Assurance Required Courses:

COSC 316	Cybersecurity Basics	3cr
COSC 356	Network Security	3cr
Select one of the following:		
COSC 320	Software Engineering Practice	3cr
COSC 493	Internship (Information Assurance)	12cr(3)

Controlled Electives: Select 3cr from the following:

COSC 345	Data Communications	3cr
COSC/IFMG 354	Testing and Controlling LANs	3cr
COSC 362	UNIX Systems	3cr
COSC 481	Special Topics in Computer Science (only sections approved for majors)	3cr
IFMG 382	Auditing for EDP Systems	3cr

Upper-Level Electives: Select 3cr from the following:

COSC 415	Internet Architecture and Programming	3cr
COSC 432	Operating Systems	3cr

COSC 427 Cryptography	3sh	COSC 427 Cryptography	3cr
COSC 482 Independent Study	3sh	COSC 482 Independent Study	3cr
COSC 400-level course with department approval	3sh	COSC 400-level course with department approval	3cr
Minor in Criminology	15	Minor in Criminology	15(1)
Other Requirements:	6-19	Other Requirements:	6-12
Additional Writing:		Additional Writing:	
ENGL 322 Technical Writing	3sh	ENGL 322 Technical Writing	3cr
Foreign Language Intermediate Level	0-6sh(2)	Foreign Language Intermediate Level	0-6cr
Additional Mathematics:	8-10sh	Additional Mathematics:	3cr(2)
MATH 123 (MATH 121 and 122 may be substituted)	(3)	MATH 219 Discrete Mathematics	
MATH 216 (MATH 217 and 417 may be substituted)			
MATH 219			
Free Electives:	0-5	Free Electives: enough credits beyond those listed above to total 120 credits.	
Total Degree Requirements:	124	Total Degree Requirements:	120
(1) Only 4sh of COSC 493 may be counted towards the major. COSC 493 may be selected in either the second semester of the junior year or the first semester of the senior year. If COSC 493 is selected and approved, COSC 380 may be taken in the immediately preceding semester.		(1) CRIM 101 (taken as part of the social science requirement) is counted as part of the 18cr Criminology minor. Fifteen (15) additional credits of CRIM are required.	
(2) Foreign language intermediate-level courses are counted as Liberal Studies electives.		(2) MATH 123 can be substituted by taking both MATH 121 and 122. MATH 216 can be substituted by taking both MATH 214 and 417 or both MATH 217 and 417. The three-credit minimum applies to students who take MATH 123 and 216. The nine-credit maximum applies to students who do not take MATH 123 and MATH 216 but choose alternatives in addition to MATH 219.	
(3) Any of the Mathematics options satisfy the Learning Skill requirement, and one course may be counted as a Liberal Studies elective. The 8sh minimum applies students who take the MATH 123 and 216. The 10sh maximum applies to students who take MATH 121-122 calculus option and MATH 217-417 statistics option only.		(3) Only 4cr of COSC 493 may be counted towards the major. COSC 493 may be selected in either the second semester of the junior year or the first semester of the senior year. If COSC 493 is selected and approved, COSC 380 may be taken in the immediately preceding semester.	

Rationale: Math 122 is deleted from the LS Math component of all tracks; if a student takes MATH 121, s/he must take MATH 122 for the computer science requirement (equivalent to MATH 123) but not as a liberal studies requirement. MATH 363 has been deleted from three of the tracks; our students take MATH 216, the prerequisite for the course, which by itself satisfies the statistics requirement for Computer Science Majors. MATH 364 is also deleted because the prerequisite for the course is MATH 363. Three courses from the Information Assurance track COSC 316, 356, and 427 were added variously to the other three tracks as controlled electives in response to student interest. The revision gives our students flexibility and brings the total degree requirement to BOG mandated 120 credits. Free electives will be 16-28 in the BA, 1-18 in the Applied Computer Science Track, 9-15 in the Language and Systems Track, and 1-12 in the Information Assurance Track

28. Department of Art—New Courses, Course Changes, Course Deletions, Program Revisions

TABLED

A. Eleven New Courses

ARHI 207 Renaissance through Modern Art

3c-01-3cr

Studies art from the Renaissance through the Modern periods in western Europe in light of historical events and in the broader context of political, philosophical, religious, and social developments, including women and underrepresented groups as subjects, creators, and patrons of the arts. Issues of exoticism, Orientalism, and colonialism will be discussed.

Rationale: This is a new course that combines two existing courses in the Art curriculum: ARHI 206 Renaissance to Baroque Art and ARHI 211 Modern Art in order to bring the curriculum into compliance with the 120 credit mandate.

ARHI 224 Introduction to Asian Art

3c-01-3cr

Surveys a selection of art and architectural forms from China, Japan, India, Korea and Southeast Asia. Students will be introduced to religious and secular sculpture, painting, and ceramics, as well as the philosophical, political and social forces that prompted their creation.

Rationale: The course would serve the needs of the Art Department, both under the current program and the revised program. It is to be listed as a Non-Western Cultures course and a Liberal Studies elective. The course would be among the foundation courses for those pursuing the Art History track of the BA in Art Degree, as well as a controlled elective for those in Art Ed. and Studio.

ARHI 410 Nineteenth-Century European Painting

3c-01-3cr

Prerequisite: Junior Standing or Consent of Instructor

Surveys the history of Western painting from the late eighteenth century to the turn of the twentieth. The styles and movements covered range from neo-classicism to romanticism, realism, the Pre-Raphaelite painters, impressionism, symbolism, and post-impressionism. French painting is most heavily represented. Activities will include lecture mixed with discussion of readings, debates about issues, practice in "reading" images, and others.

Rationale: The course will be an elective for students in all Art Department programs. In compliance with NASAD standards that dictate the inclusion of more upper level Art History courses in the curriculum, a program revision of the BA in Art-Art History Concentration will include this course among the controlled electives.

ARHI 411 Twentieth Century European Art

3c-01-3cr

Studies twentieth century painting, sculpture, photography and film in France, Germany, and Italy in light of historical events and in the broader context of political, philosophical, religious, and social developments, including women and underrepresented groups as subjects, creators, and patrons of the arts.

Rationale: This course is an elective for students in all areas of the Art Department (art education, studio art, and B.A. in art/art history track).

ARHI 417 Byzantine Art

3c-01-3cr

Prerequisite: ARHI 205 or Instructor permission

Investigates the art and architecture produced in the Byzantine Empire, with a concentration on the years between 324, the year Constantine founded Constantinople, and 1453, the date the Turks conquered the city. Consisting of lectures, discussions, videos, and field trips, the course emphasizes cross-cultural contacts between Byzantium, Islam and the West.

Rationale: This course is one of the controlled electives for students in the Bachelor of Arts (Art/Studio, Art/Art History), Bachelor of Fine Arts, and Bachelor of Science (Art Education) degrees. This course is intended to be a Liberal Studies course.

ARHI 418 African Art

3c-01-3cr

Explores the aesthetics and meanings of African Art through a historically- and culturally-based survey of art from selected African cultures. Examples of sculptures, masks and other ritual objects, tools and utilitarian objects, clothing, jewelry and adornment, painting and architecture from across the continent will be studied. Philosophical and religious beliefs, socio-economic, historical and political forces will be examined as to how they have impacted the creation of art in traditional and contemporary Africa. Connections between the visual arts and the other fine arts will be an integral part of the study as well.

Rationale: The African Art course is designed for students enrolled in Bachelor of Arts (Art/Studio, Art/Art History), and Bachelor of Science (Art Education) degrees. It is also designed as a Non-Western offering in the Liberal Studies Program and a Pan-African Studies elective.

ARHI 423 Art of Japan

3c-01-3cr

Introduces the history and aesthetics of Japanese art, from antiquity to the present. Lectures will focus on major works of painting, sculpture, architecture, prints, ceramics, and other works, from antiquity to the present. Close attention will be paid to their historical contexts and underlying themes. These include religious influences, the imperial court, the tea ceremony, and modern life. The interaction of Japan with its neighbors is also considered.

ARHI 425 Arts of China

3c-01-3cr

Surveys art selected from the five millennia of Chinese art and culture. The course will examine sculpture, architecture, and painting from the Neolithic period through the 20th century. Issues of religion, patronage, and popular culture are included.

Rationale: These two courses would serve the current needs of the Art Department and add to the offerings fulfilling the Liberal Studies requirements. It is to be listed as a Non-Western Cultures course, as well as a Liberal Studies elective. The course would be among the controlled electives for the Art History requirements of all undergraduate Art degrees.

ARED 320 Art Criticism and Aesthetics in K-12 Programs

3c-01-3sh

Prerequisites: Completion of ARED 315 (minimum C grade) and a major in art education.

The purpose of this course is to secure the knowledge and skills necessary to teach a program of comprehensive art that includes the discipline of art criticism. The course establishes theoretical frameworks for writing intelligently and talking about art with students from a critical perspective. It also provides opportunities for developing curricular and pedagogical materials appropriate for teaching art

ARED 321 Art History Inquiry for K-12 Art Programs

3c-01-3sh

Prerequisites: Completion of ARED 315 (minimum C grade) and a major in art education.

Explore methods, media, and activities that integrate art history content into the school art curriculum. Students will plan and execute lessons which are appropriate at various grade levels and which emphasize art history and knowledge of artistic diversity worldwide. Students will prepare one unit on a selected theme, in addition to other written or artistic assignments. Preparation of art history-related projects and instructional materials for classroom use are also components of the course.

ARED 322 Studio Inquiry for K-12 Programs

3c-01-3sh

Prerequisites: Completion of ARED 315 (minimum C grade) and a major in art education.

Art processes, media and techniques suitable for teaching art to elementary and secondary students will be examined and researched as modes of learning and creating. A major focus will be on developing curricula and pedagogical materials relating to the theory and practice of teaching art, as well as integrating studio experiences with art criticism, art history and aesthetics. Students will apply demonstrated techniques and processes to sample projects and combine these with research into a portfolio for teaching studio art within comprehensive art lessons.

Rationale: Whereas art education students are required to take at least 12 credits of art history and at least 24 credits of studio for graduation, art education majors need to learn how to simplify and apply concepts for younger students. Also, with the amount of information and concept development necessary in the elementary and secondary methods courses, it is not possible to allow students to adequately practice with these concepts within the framework of these two courses. Separate courses, therefore, should be available for art education majors to address the skills necessary to adequately teach comprehensive art curricula in the schools.

B. Course Deletions—Fall 2003

ARHI 206 Renaissance to Baroque

ARHI 211 Modern Art

ARED 330 Art for Special Education

Rationale: In the old program, an overview of Western Art was introduced in three separate courses: ARHI 205 Ancient to Medieval; ARHI 206 Renaissance to Baroque; and ARHI 211 Modern Art. In most major universities and colleges in the United States, the Western Survey is usually divided into two courses, Ancient to Medieval; and Renaissance to Modern. Following contemporary practices within the discipline, the above courses will be replaced by the new course ARHI 206. ARED 330 has not been taught in more than six years.

C. Catalog Description Change

Current Catalog Description:

The Department of Art provides both general and special courses in art, directed toward the development of the student's creative and expressive abilities. Degrees offered are the Bachelor of Arts with tracks in either Art History or Art Studio, the Bachelor of Fine Arts in Art Studio, and the Bachelor in Science in Education in Art Education. The degree in art education provides certification for teaching art in grades K-12 in the schools of Pennsylvania.

The department offers a cooperative program with the Art Institute of Pittsburgh. Students interested in commercial art, with departmental approval, may earn credit towards their major at the Art Institute.

All Art majors are obliged to fulfill the university requirements for Liberal Studies. Art Education Majors must maintain a 2.6 cumulative GPA, and this is a prerequisite to student teaching.

An exchange program exists between the IUP Department of Art and the National Art Academies of Slovenia and Croatia. Qualified and highly skilled juniors, first-semester seniors, and graduate students may gain participation through screening and professor nomination.

A minor in art is available, consisting of at least 18 semester hours in art courses approved by the chairperson of the department of Art.

Acceptance by the department of Art as a major requires the submission of a portfolio and approval by the portfolio committee. Detailed information will be sent to the applicant upon request

Proposed Catalog Description:

The Department of Art provides both general and special courses in art, directed toward the development of the student's creative and expressive abilities. Degrees offered are the Bachelor of Arts with tracks in either Art History or Art Studio, the Bachelor of Fine Arts in Art Studio, and the Bachelor in Science in Education in Art Education. Art Education is a professional degree program leading to certification to teach K-12 art in the Commonwealth of Pennsylvania. The program reflects contemporary theory and practice in art studio, art history, criticism, aesthetics, culture, and pedagogy. The program complies with all Pennsylvania standards needed for certification to teach art in the commonwealth.

The mission of the BA in Art/Art History degree is to provide art history majors with a solid foundation in the history of art, from ancient through modern times. The degree prepares students for graduate study leading to careers in museums, galleries, fine arts libraries, visual resources, teaching, and research. Specific goals, objectives and competencies related to this degree include the acquisition and demonstration of critical thinking, research and writing skills; knowledge of terminology, methodology, and competency with various approaches to art historical inquiry, and the ability to conduct art history research through independent investigations.

The department offers a cooperative program with the Art Institute of Pittsburgh. Students interested in commercial art, with departmental approval, may earn credit towards their major at the Art Institute.

All Art majors are obliged to fulfill the university requirements for Liberal Studies. Art Education Majors must maintain a 2.6 cumulative GPA, and this is a prerequisite to student teaching.

An exchange program exists between the IUP Department of Art and the National Art Academies of Slovenia and Croatia. Qualified and highly skilled juniors, first-semester seniors, and graduate students may gain participation through screening and professor nomination.

A minor in art is available, consisting of at least 18 semester hours in art courses approved by the chairperson of the department of Art.

Acceptance by the department of Art as a major requires the submission of a portfolio and approval by the portfolio committee. Detailed information will be sent to the applicant upon request

D. Program Revisions

Current Program:

Bachelor of Arts-Art/History Track

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Fine Arts: MUHI 101 or THTR 101

Liberal Studies Electives: no courses with ARHI prefix

Major:

Foundation Required:

ART 100	Arts of the 20 th Century	3sh
ART 111	Figure Drawing	3sh
ART 112	Fundamentals of Drawing	3sh
ART 113	Three-Dimensional Design	3sh
ART 114	Color and Two-Dimensional design	3sh

Art History Required:

ARHI 205	Ancient to Medieval Art	3sh
ARHI 206	Renaissance to Baroque Art	3sh
ARHI 211	Modern Art	3sh
ARHI 222	Art in America	3sh
ARHI 407	Medieval Art	3sh
ARHI 408	Italian Renaissance Art	3sh
ARHI 409	Baroque and Rococo Art	3sh
ARHI 412	Classical Art	3sh
ARHI 413	Senior Seminar (to be taken during Senior year)	3sh
ARHI 416	Northern Renaissance Art	3sh

Free Electives: (1)

ARHI 406	Ancient Migratory Art	3sh
ARHI 424	Art of the East	3sh
ARHI 426	pre-Columbian Art	3sh
ARHI 493	Internship	3-12sh

Proposed Program:

Bachelor of Arts-Art/History Track

Liberal Studies: As outlined in the Liberal Studies section with the following specifications:

Mathematics: 3cr

Liberal Studies Electives: 6cr, no courses with ARHI prefix

Major:

Foundation Required:

ART 112	Fundamentals of Drawing	3cr
ART 114	Color and 2-Dimensional design	3cr
ARHI 205	Ancient to Medieval	3cr
ARHI 207	Renaissance to Modern	3cr
ARHI 224	Introduction to Asian Art	3cr
ARHI 413	Senior Seminar (to be taken during Senior year)	3cr

Controlled Electives:

Choose from the following list:		
Up to 6cr (2 courses) of Art Studio, prefix ART		
ARHI 100	Arts of the 20 th Century	3cr
ARHI 222	Art in America	3cr
ARHI 300	Native American Art	3cr
ARHI 407	Medieval Art	3cr
ARHI 408	Italian Renaissance Art	3cr
ARHI 409	Baroque and Rococo Art	3cr
ARHI 410	19 th Century European Painting	3cr
ARHI 411	20 th Century European Art	3cr
ARHI 412	Classical Art	3cr
ARHI 416	Northern Renaissance	3cr
ARHI 417	Byzantine Art	3cr
ARHI 418	African Art	3cr
ARHI 423	Arts of Japan	3cr
ARHI 425	Arts of China	3cr
ARHI 493	Internship	3cr

Foreign Language Required:

Foreign Language Intermediate Level (1) **12**

Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements:

124 Total Degree Requirements:

120

- (1) It is recommended that the student of art history make judicious choices of elective courses in consultation with the major advisor. Students may consider additional foundation or advanced studio electives, advanced art history, and related academic electives. Course selection in a foreign language is strongly recommended.

- (1) Intermediate-level Foreign Language may be included in Liberal Studies electives.

Rationale: A primary reason for the changes are to bring our program in compliance with the 120 mandate. Another primary reason for the requested revisions is to bring our program into compliance with the guidelines for accreditation by the National Association of Schools of Art and Design (NASAD). To this end, the following steps have been taken: 1) The 12 credit requirement for 4 semesters in a foreign language has been added, as required by NASAD. 2) The number of required Art and Art History courses will more closely correspond with similar programs at other major institutions. 3) More upper division offerings have been added to facilitate students' completion of the requisite number of courses in four years of academic endeavor. 4) The added courses exploit the area specialties of current Art History faculty, as suggested by NASAD. Free electives will now be 13 credits.

Current Program:

Bachelor of Science in Education–Art Education (*)

Liberal Studies: As outlined in the Liberal Studies 50-52 (1) section with the following specifications:

Fine Arts: Fulfilled by Art History counted in major

Social Science: PSYC 101

Liberal Studies Electives: ARHI 206, no courses with ART prefix

College:

Professional Education Sequence: (2) 24

COMM 103	Digital Instructional Technology	3sh
EDSP 102	Educational Psychology	3sh
EDUC 242	Pre-student Teaching Clinical EXP I	1sh
EDUC 342	Pre-student Teaching Clinical EXP II	1sh
EDUC 421	Student Teaching Elementary	6sh
EDUC 441	Student Teaching Secondary	6sh
EDUC 442	School Law	1sh
FDED 102	American Education in Theory and Practice	3sh

Major: 15

Foundation Required:

ART 100	Arts of the 20 th Century	3sh
ART 111	Figure Drawing	3sh
ART 112	Fundamentals of Drawing	3sh
ART 113	Three-Dimensional Design	3sh
ART 114	Color and Two-Dimensional Design	3sh

Foundation Electives: (Select 5 of the following 8 courses) 15

ART 211	Painting	3sh
ART 213	Woodworking: Function and Form	3sh
ART 214	Ceramics	3sh
ART 215	Sculpture	3sh
ART 216	Basic Metals	3sh
ART 217	Printmaking	3sh
ART 218	Graphic Design	3sh
ART 219	Fibers	3sh

Art Education Required: 9

ARED 315	Survey of Art Education	3sh
ARED 317	Art Education Methodology at the Elementary Level	3sh
ARED 318	Art Education Methodology at the Secondary Level	3sh

Art History Required: 9

ARHI 205	Ancient to Medieval Art	3sh (3)
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Proposed Program:

Bachelor of Science in Education–Art Education (*)

Liberal Studies: As outlined in the Liberal Studies 48 section with the following specifications:

Fine Arts: Fulfilled by ARHI 205

Mathematics: 6cr

Social Science: PSYC 101

Liberal Studies Electives: 0cr

College: 23

Professional Education:

COMM 103	Digital Instructional Technology	3cr
EDSP 102	Educational Psychology	3cr
EDUC 242	Pre-student Teaching Clinical Exp I	1cr
EDUC 342	Pre-student Teaching Clinical Exp II	1cr
EDUC 421	Student Teaching Elementary	6cr
EDUC 441	Student Teaching Secondary	6cr
EDUC 442	School Law	1cr
EDEX 301	Education of Students With Disabilities in Inclusive Secondary Settings	2cr

Major: 24

Required Courses

ART 112	Fundamentals of Drawing	3cr
ART 113	Three-Dimensional Design	3cr
ART 114	Color and Two Dimensional Design	3cr
ARHI 207	Renaissance to Modern	3cr
ARED 315	Issues of Art in K-12 Programs	3cr
ARED 317	Art in K-6 Programs	3cr
ARED 318	Art in 7-12 Programs	3cr
ARED 320	Art Criticism/Aesthetics in K-12 Programs	3cr

Controlled Electives: 30

Select 15cr from the following courses: ART 100, 111, 211, 213, 214, 215, 216, 217, 218, 219
 Select 12cr from any ARHI or ART prefix
 Select 3cr from any ARED prefix

ARHI 206	Renaissance to Baroque Art	*sh (4)
ARHI 211	Modern Art	3sh (5)
ARHI 413	Senior Seminar	3sh

Controlled Electives: **12**

Additional courses from the followings: (6)
 Advanced Studio: ART 421, 451, 452, 453, 454, 455, 457,459,460

Advanced Art History: ARHI 219, 222, 406, 408, 409, 412, 416, 424, 426

Art Education Elective: ARED 330

Free Electives: **0**

(#) Total Degree Requirements: 124 (#) Total Degree Requirements: 125

(*) See requirements leading to teacher certification, titled "Admission to Teacher Education," in the College of Education and Educational Technology section of this catalog.

(1) Program revision in process-3 additional sh of math will be required by the Pennsylvania Department of Education.

(2) Special Education Competency Requirement: Revision pending will eliminate exam option and will require EDEX 301 (2sh)

(3) Semester hours counted in Liberal Studies Fine Arts requirement

(4) Semester hours counted under Liberal Studies electives.

(5) ARHI 222 may be substituted for ARHI 211

(6) Courses can only be taken following successful completion of the foundation prerequisite course.

(#) See advisory paragraph "Timely Completion of Degree Requirements" in the section on Requirements for Graduation

(*) See requirements leading to teacher certification, titled "Admission to Teacher Education," in the College of Education

(#) See advisory paragraph "Timely Completion of Degree Requirements" in the section on Requirements for Graduation.

Rationale: The program is revised to meet new standards and requirements of the National Art Education Standards for Teacher Preparation in Art, the Pennsylvania Standards for Arts and Humanities, NASAD Accreditation Board, and to accommodate the Board of Governor’s recent mandate that all programs be reduced to 120 semester hours. Regarding the latter, all Art Education programs have been provided with an exemption until 2005 and are permitted to exceed the 120 credits by six credit hours. There are no free electives.

The art education program has reduced the Liberal Studies to 48 credit hours, as approved by the Senate, and added the additional mandated math course to the program as well as an art course required for accreditation. Elimination of FDED 102 American Education in Theory and Practice was recommended by TECC and passed in Senate. Material from FDED 102 was and will continue to be covered in the discipline specific ARED 315 course. We added EDEX 301 to the professional studies sequence, as this course is required for certification.

The four “required” categories of the old program have been collapsed into one “required” category for the purpose of simplicity and clarity of understanding. ART 100 Arts of the 20th Century, ART 111 Figure Drawing, ARHI 211 Modern Art, and ARHI 413 Senior Seminar were dropped from the required listings and placed in the Controlled Elective category to encourage flexibility and choice within the major. The 126 cr mandate forced us to reduce the total number of required courses in the major.

Program Revisions for the BFA—Studio and BA—Studio, plus a list of 5 new courses, and two course revisions were presented on overheads because they were unavailable electronically.

29. Department of Music—New Courses, Course Changes

A. Four New Courses

APMU 122 Applied Jury A

0c-01-0cr

PASSED

Prerequisites: APMU Applied Music (Major Area) – All required levels

This course adjudicates the performance of students in their respective major performance area (on a “Pass” or “Fail” basis) as partial fulfillment of the graduation requirements in the B.S. in Music Education and BFA in

Music degrees. Students are expected to attain a professional level of performance on all of their required major area juries in order to receive a passing grade in this course.

APMU 123 Applied Jury B

0c-01-0cr

Prerequisites: APMU Applied Music (Major Area) – All required levels

This course adjudicates the performance of students in their respective major performance area (on a “Pass” or “Fail” basis) as partial fulfillment of the graduation requirements in the B.S. in Music Education degree. Students are expected to attain a functional level of performance on all of their required minor area juries in order to receive a passing grade in this course.

APMU 124 Applied Jury C

0c-01-0cr

Prerequisites: MUSC Class Piano I & II or APMU Applied Music (Minor) I & II

This course adjudicates the performance of students in their respective major performance area (on a “Pass” or “Fail” basis) as partial fulfillment of the graduation requirements in the B.S. in Music Education degree program. Students are expected to attain a fundamental level of proficiency on piano as indicated by passing the Piano C Jury.

Rationale: This course will provide transcript verification of passing jury requirements.

MUHI 102 Survey of Music Literature

3c-01-3cr

Prerequisite: Music Majors or Permission from instructor

Surveys a broad spectrum of music literature and analysis. It is intended to introduce music students to a listening knowledge of a select body of music for diverse performing media, representing the historical time period of western art music as well as many non western musical traditions including jazz and world music. It is designed for music majors and others who have a substantial knowledge of music.

Rationale: This new course proposal replaces the section of MUHI 101, Introduction to Music, specially designed for music majors as a Liberal Studies course in the Fine Arts area, with an expanded scope to include a study of world music and jazz.

B. Course Changes

1) Course Revision

Current Catalog Description:

Music majors and minors who successfully pass an audition take private instruction in their respective major areas of performance in instrument or voice for up to eight semesters. Half-hour lessons are given each week (2 sh) for students enrolled in the B.S. and B.A. degree programs. A one-hour lesson (4 sh) is scheduled by students enrolled in the B.F.A. degree program only.

APMU 101, 151, 201, 251, 301, 351, 401, 451	Piano I-VIII
APMU 102, 152, 202, 252, 302, 352, 402, 452	Organ I-VIII
APMU 103, 153, 203, 253, 303, 353, 403, 453	Harpsichord I-VIII
APMU 104, 154, 204, 254, 304, 354, 404, 454	Harp I-VIII
APMU 105, 155, 205, 255, 305, 355, 405, 455	Voice I-VIII
APMU 106, 156, 206, 256, 306, 356, 406, 456	Violin I-VIII
APMU 107, 157, 207, 257, 307, 357, 407, 457	Viola I-VIII
APMU 108, 158, 208, 258, 308, 358, 408, 458	Cello I-VIII
APMU 109, 159, 209, 259, 309, 359, 409, 459	String Bass I-VIII
APMU 110, 160, 210, 260, 310, 360, 410, 460	Flute I-VIII
APMU 111, 161, 211, 261, 311, 361, 411, 461	Clarinet I-VIII
APMU 112, 162, 212, 262, 312, 362, 412, 462	Oboe I-VIII
APMU 113, 163, 213, 263, 313, 363, 413, 463	Bassoon I-VIII

APMU 114, 164, 214, 264, 314, 364, 414, 464	Saxophone I-VIII
APMU 115, 165, 215, 265, 315, 365, 415, 465	Trumpet I-VIII
APMU 116, 166, 216, 266, 316, 366, 416, 466	French Horn I-VIII
APMU 117, 167, 217, 267, 317, 367, 417, 467	Trombone I-VIII
APMU 118, 168, 218, 268, 318, 368, 418, 468	Baritone Horn I-VIII
APMU 119, 169, 219, 269, 319, 369, 419, 469	Tuba I-VIII
APMU 120, 170, 220, 270, 320, 370, 420, 470	Percussion I-VIII
APMU 121, 171, 221, 271, 321, 371, 421, 471	Guitar I-VIII

Proposed Catalog Description:

APMU Applied Music (Major Area) Instrument/Voice I-VIII var 2 or 4 cr

Prerequisite for initial semester of study: audition and acceptance to the area of concentration.

Prerequisite for subsequent semesters: grade of C or better in the previous semester of study

Private instrumental or vocal instruction for music majors in their primary area of concentration for up to eight semesters. Includes technical studies, musical repertoire, and performance experiences at the professional level. Weekly half-hour lessons are given (2 cr) for students enrolled in the B.S. and B.A. degree programs. Weekly one-hour lessons (4 cr) are given for students enrolled in the B.F.A. degree program only.

APMU 101, 151, 201, 251, 301, 351, 401, 451	Piano I-VIII
APMU 102, 152, 202, 252, 302, 352, 402, 452	Organ I-VIII
APMU 103, 153, 203, 253, 303, 353, 403, 453	Harpsichord I-VIII
APMU 104, 154, 204, 254, 304, 354, 404, 454	Harp I-VIII
APMU 105, 155, 205, 255, 305, 355, 405, 455	Voice I-VIII
APMU 106, 156, 206, 256, 306, 356, 406, 456	Violin I-VIII
APMU 107, 157, 207, 257, 307, 357, 407, 457	Viola I-VIII
APMU 108, 158, 208, 258, 308, 358, 408, 458	Cello I-VIII
APMU 109, 159, 209, 259, 309, 359, 409, 459	String Bass I-VIII
APMU 110, 160, 210, 260, 310, 360, 410, 460	Flute I-VIII
APMU 111, 161, 211, 261, 311, 361, 411, 461	Clarinet I-VIII
APMU 112, 162, 212, 262, 312, 362, 412, 462	Oboe I-VIII
APMU 113, 163, 213, 263, 313, 363, 413, 463	Bassoon I-VIII
APMU 114, 164, 214, 264, 314, 364, 414, 464	Saxophone I-VIII
APMU 115, 165, 215, 265, 315, 365, 415, 465	Trumpet I-VIII
APMU 116, 166, 216, 266, 316, 366, 416, 466	French Horn I-VIII
APMU 117, 167, 217, 267, 317, 367, 417, 467	Trombone I-VIII
APMU 118, 168, 218, 268, 318, 368, 418, 468	Baritone Horn I-VIII
APMU 119, 169, 219, 269, 319, 369, 419, 469	Tuba I-VIII
APMU 120, 170, 220, 270, 320, 370, 420, 470	Percussion I-VIII
APMU 121, 171, 221, 271, 321, 371, 421, 471	Guitar I-VIII

2) Course Revision

Current Catalog Description:

MUSC 111 Theory Skills I

0c-3l-2sh

Develops aural skills through dictation and interpretation of written music by sight-singing. Taken in conjunction with Theory I.

Proposed Course Description:

MUSC 111 Theory Skills I

0c-3l-2cr

Develops aural skills through dictation and interpretation of written music by sight-singing. Taken in conjunction with Theory I.

3) Course Revision and Catalog Change**Current Catalog Description:****MUSC 112 Theory Skills II****0c-3l-2sh****Prerequisite:** MUSC 111

Continuing development aural skills and introduction of keyboard skills. Taken in conjunction with Theory II

Proposed Course Description:**MUSC 112 Theory Skills II****0c-3l-2cr****Prerequisite:** MUSC 111, with a grade of C or better or Satisfactory

Continues development of aural skills through dictation, sight-singing, keyboard skills, and improvisation. Taken in conjunction with Theory II.

4) Course Revision and Catalog Description Change**Current Catalog Description:****MUSC 211 Theory Skills III****0c-3l-2sh****Prerequisites:** MUSC 111, 112

Further development of aural and keyboard skills. Taken in conjunction with Theory III.

Proposed Course Description:**MUSC 211 Theory Skills III****0c-3l-2cr****Prerequisite:** MUSC 112, with a grade of C or better or Satisfactory.

Further development of aural skills through dictation, sight singing, keyboard skills, and improvisation. Taken in conjunction with Theory III.

5) Course Revision and Catalog Description Change**Current Catalog Description:****MUSC 212 Theory Skills IV****0c-3l-2sh****Prerequisites:** MUSC 111, 112, 211

Culmination of the development of aural and keyboard skills. Taken in conjunction with Theory IV.

Proposed Course Description:**MUSC 212 Theory Skills IV****0c-3l-2cr****Prerequisites:** MUSC 211 and MUSC 154 or APMU 151, with a grade of C or better or Satisfactory.

Culmination of the development of aural and keyboard skills including sight-reading, performance, and improvisation. Taken in conjunction with Theory IV.

Rationale: The revised courses will include improvisation in the development of aural skills. A recent 10-year review of the Department of Music by the National Accreditation of Schools of Music (NASM) resulted in the recommendation of the inclusion of improvisation skills throughout the B.S., B.A., and B.F.A. music degree programs.

6) Course Revision and Catalog Description Change

Current Catalog Description:**MUSC 240 Technology in the Music Classroom****2c-11-2sh****Prerequisites:** Sophomore standing, BEDU/COSC/IFMG 101

Introduces the student to the technology resources available for use in the music classroom and with instructional technologies appropriate to their application in K-12 settings. Students will be exposed to a variety of media and will have the opportunity to gain familiarity in their use. The emphasis will be placed on the use of the computer in the classroom, computer-based instruction, and Musical Instrument Digital Interface (MIDI).

Proposed Course Description:**MUSC 240 Technology in the Music Classroom****2c-11-2cr**

Introduces the student to the technology resources available for use in the music classroom and with instructional technologies appropriate to their application in K-12 settings. Students will be exposed to a variety of media and will have the opportunity to gain familiarity in their use. The emphasis will be placed on the use of the computer in the classroom, computer-based instrument, and Musical Instrument Digital Interface (MIDI).

Rationale: The prerequisite is removed. The new 3-Step Program for Teacher Education requires that students complete the communications media course before moving on to Step 2. Therefore COMM 301 changed to COMM 103 so that it could be completed before Step 2, and it carries no prerequisite. MUSC 240 is a substitute for COMM 103 for music majors only, and as such must also be completed during the first 4 semesters.

7) Course Revision and Catalog Description Change**Current Catalog Description:****MUSC 331 Elementary Methods****3c-01-3sh**

Includes analytical study of texts, recordings, equipment, instruments, and other materials suitable to musical development of elementary pupils; proper treatment of child voice; selection, use, and teaching of rote songs; rhythmic activities and development; music reading; part singing; planning and organization; guided observations; and evaluation techniques.

Proposed Course Description:**MUSC 331 Elementary Methods****2c-11-2sh****Prerequisite:** MUSC 212

Familiarizes students with contemporary music education methods for the elementary general music classroom. Includes teaching and learning strategies for developing singing, moving, listening, creating, and playing classroom percussion, recorders, and guitar. Specific focus on child development, characteristics of special learners, curriculum planning, and diverse musical materials. Includes three classroom observations in the field.

8) Course Revision and Catalog Description Change**Current Catalog Description:****MUSC 333 Instrumental Methods****3c-01-3sh**

Includes General Music Class, choral organizations, changing voice, techniques of instruction, including

team teaching and programmed learning, high school theory courses, high school music literature courses, scheduling, administrative problems, curriculum development, evaluation of materials and equipment, evaluative techniques, and guided observation. Extra laboratory sessions are required.

Proposed Course Description:

MUSC 333 Instrumental Methods

2c-11-2cr

Prerequisite: MUSC 212

Familiarizes students with the instrumental music teaching process including: traditional and innovative methodology; development of beliefs and values; communication, motivation and reinforcement; curriculum development, planning, modeling, sequencing, and assessment; recruiting and retention; teaching techniques for rehearsals for the art of lesson giving and for confronting the main issues of rhythm and intonation; development of aural/visual discrimination skills; improvisation; aptitude tests and testing; classroom control; literature; and equipment.

Rationale: The course revision for all three of the music methods courses MUSC 331, 333, and 337 have been reduced from 3 to 2 semester hours by reassigning the distribution of hours from 3 class to 2 class hours and 1 lab hour per week. This redistribution will allow students to demonstrate their teaching skills once a week to their peers during a lab hour class meeting. A recent 10-year review of the Department of Music by the National Accreditation of Schools of Music (NASM) resulted in the recommendation that all three methods courses should be required in the B.S. in Music Education degree program in order to offer a comprehensive core in music pedagogy. In the past only two methods courses were required for Music Education majors (MUSC 331 and 333; 337 remained an elective). In order to require all three courses without increasing the program credit load, the existing courses have been revised to reflect the content of 2-credit courses. Therefore, the total credit hours for methods courses still equals six.

9) Course Revision and Title Change

Current Catalog Description:

MUSC 335 Music for the Exceptional Student

2c-01-2sh

Develops music education skills, techniques, and materials for the emotionally, mentally, physically, or neurologically handicapped student and the gifted. Designed for students in music education, special education, and elementary education.

Proposed Catalog Description:

MUSC 335 Music for Students with Disabilities in Inclusive Settings

1c-11-1cr

Prerequisites: Admission to teacher certification

Corequisite: EDUC 242, Section 52

Develops music education skills, techniques, and materials for students with disabilities and special needs within the music classroom setting. Legal rights of students with special needs are stressed with regard to opportunities to participate in music activities and ensembles. This course must be elected concurrently with EDUC 242. Includes field experiences in the music classroom during the EDUC 242 observation period.

Rationale: This course substitutes for EDEX 301 Education of Students with Disabilities in Inclusive Secondary Settings. Therefore, the title change of the course reflects an effort to more closely align a course for music majors to the generic course taught across the curriculum.

10) Course Revision and Catalog Description Change

Current Catalog Description:**MUSC 337 General Music in Middle Schools****3c-01-3sh****Prerequisite:** MUSC 331

Provides general practices and pedagogy related to recent standards for a comprehensive, sequential middle school general music curriculum. Specific focus on curriculum development, lesson planning, instructional strategies, adolescent behavioral characteristics, as well as diverse materials and resources.

Proposed Catalog Description:**MUSC 337 General/Choral Methods****2c-11-2cr****Prerequisite:** MUSC 212

A pedagogical overview of music methods related to general and choral music curricula for the middle school, junior high, and high school. Emphasizes the complex factors of adolescent behavior and physiology, administrative issues, performance expectations and conceptual based learning which influence music teaching at this level.

11) Course Revision and Catalog Description Change**Current Catalog Description:****MUSC 351 Italian Diction and Literature****2c-01-2sh**

For first-semester voice majors. Meets for two hours per week. The emphasis is on pronunciation the International Phonetic Alphabet and for the stage. Italian solo song literature, and operatic repertoire are also studied.

Proposed Catalog Description:**MUSC 351 Italian Diction and Literature****1c-11-1cr**

A laboratory course in Italian diction for first-semester voice majors. Meets for two hours per week. The emphasis is on pronunciation for the stage and the International Phonetic Alphabet. Students will demonstrate skills by singing Italian solo song literature and operatic repertoire of 17th and 18th centuries.

12) Course Revision and Catalog Description Change**Current Catalog Description:****MUSC 353 French Diction and Literature****2c-01-2sh**

For third- or fourth-semester voice majors. Meets for two hours per week. The emphasis is on pronunciation the International Phonetic Alphabet and for the stage. French solo song literature and operatic repertoire are also studied.

Proposed Catalog Description:**MUSC 353 French Diction and Literature****1c-11-1cr**

A laboratory course in French diction for third-or fourth-semester voice majors. Meets for two hours per week. The emphasis is on pronunciation for the stage and the International Phonetic Alphabet. Students will demonstrate skills by singing French solo song literature and operatic repertoire.

13) Course Revision and Catalog Description Change

Current Catalog Description:

MUSC 354 German Diction and Literature

2c-0l-1sh

For second-semester voice majors. Meets for two hours per week. The emphasis is on pronunciation for the stage. German solo song and the International Phonetic Alphabet are studied.

Proposed Catalog Description:

MUSC 354 German Diction and Literature

1c-1l-1cr

A laboratory course in German diction for second-semester voice majors. Meets for two hours per week. The emphasis is on pronunciation for the stage and the International Phonetic Alphabet. Students will demonstrate skills by singing German solo and song literature and operatic repertoire.

Rationale: Voice majors need to have a stronger lab component in the diction classes in order to give them adequate experience in vocal pedagogy since they will be teaching voice as future music educators or professional singers. In making this change, the diction courses will be consistent with the other class instrument courses (i.e. MUSC 155 Class Strings, etc.), which are also taught for one semester hour and meet for two hours (1 class hour and 1 lab hour) per week.

C. Program Revisions

Current Program:

Bachelor of Arts—Music/History and Literature Track

Liberal Studies: As outlined in Liberal Studies section with the following specifications:
Mathematics: MATH 101 recommended
Fine Arts: MUHI 101
Liberal Studies Electives: HIST 305, no courses with MUHI prefix

Major:

Required Courses:

MUHI 301	Music History I	3sh
MUHI 302	Music History II	3sh
MUSC 111	Theory Skills I	2sh
MUSC 112	Theory Skills II	2sh
MUSC 115	Theory I	3sh
MUSC 116	Theory II	3sh
MUSC 211	Theory Skills III	2sh
MUSC 212	Theory Skills IV	2sh
MUSC 215	Theory III	3sh
MUSC 216	Theory IV	15sh

Controlled Electives:

Five courses from the following: MUHI 320, 321, 322, 323, 324, 325, 326, 420, 421

Other Requirements:

Music Ensembles (MUSC 120-136) 8sh
 Music Electives 7sh
 Jury Clearance in piano C 0sh
 Attendance at 8 recitals and all departmental meetings and recitals per semester (MUSC 475, S grade)

Free Electives:

Total Degree Requirements:

53-55

41

15

13-15

124

Proposed Program:

Bachelor of Arts—Music/History and Literature Track

Liberal Studies: As outlined in Liberal Studies section with the following specifications: **50**
Mathematics: MATH 101 or other approved L.S.
Fine Arts: MUHI 102
Natural Science: Option II recommended, PHYS 105
Social Science: PSYC 101
Liberal Studies Electives: 6cr, MUHI 301, no courses with MUHI prefix

Major:

Required Courses*

APMU 124	(Major) Applied Piano Jury C	0cr
MUHI 302	Music History II	3cr
MUSC 111	Theory Skills I	2cr
MUSC 112	Theory Skills II	2cr
MUSC 115	Theory I	3cr
MUSC 116	Theory II	3cr
MUSC 120-136	8 semesters of Music Ensembles	8cr
MUSC 211	Theory Skills III	2cr
MUSC 212	Theory Skills IV	2cr
MUSC 215	Theory III	3cr
MUSC 216	Theory IV	3cr
MUSC 311	Fundamentals of Conducting	2cr
MUSC 475	8 semesters of Recital Attendance	0cr

Five courses from the list below: 15cr
 MUHI 322, 323, 324, 325, 420, 421
Controlled Electives: 9
 Music electives (with advisor approval)

Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements:

120

(*) Students may satisfy any Theory Class by:
 Passing the final exam prior to or at the beginning of any given semester and then enrolling in Section 011 of the course for 0cr; the student's grade would be recorded as

Current Program:

Bachelor of Arts—Music/Music Performance Track

Liberal Studies: As outlined in Liberal Studies section with the following specifications: **53-55**

Mathematics: MATH 101 recommended

Fine Arts: MUHI 101

Liberal Studies Electives: HIST 305, MUHI 301, no courses with MUSC prefix

Major:

Required Courses: **42**

MUSC 111	Theory Skills I	2sh
MUSC 112	Theory Skills II	2sh
MUSC 115	Theory I	3sh
MUSC 116	Theory II	3sh
MUSC 211	Theory Skills III	2sh
MUSC 212	Theory Skills IV	2sh
MUSC 215	Theory III	3sh
MUSC 216	Theory IV	3sh

Controlled Electives:

Applied Music I through VIII: private lessons in performance area—2sh each of eight semesters **16sh**

Major related:

MUHI 103	Perspectives in Jazz	3sh
MUHI 302	Music History II	3sh

Other Requirements: **14**

Music ensembles (MUSC 120-136)	8sh
Music electives, with advisor approval	6sh
Jury clearance in major instrument, minor instrument (if any), and piano (if not major or minor instrument)	0sh
Attendance at 8 recitals and all departmental meetings and recitals per semester (MUSC 475, S grade)	0sh

Free Electives:

Total Degree Requirements: **124**

Current Program:

Bachelor of Arts—Music/Theory and Composition Track

Liberal Studies: As outlined in Liberal Studies section with the following specifications: **53-55**

Mathematics: MATH 101 recommended

Fine Arts: MUHI 101

Liberal Studies Electives: HIST 305, MUHI 301, no courses with MUSC prefix

Major:

Required Courses: **54**

MUSC 111	Theory Skills I	2sh
MUSC 112	Theory Skills II	2sh
MUSC 115	Theory I	3sh
MUSC 116	Theory II	3sh
MUSC 211	Theory Skills III	2sh
MUSC 212	Theory Skills IV	2sh
MUSC 215	Theory III	3sh
MUSC 216	Theory IV	3sh
MUSC 217	Keyboard Harmony I	1sh
MUSC 218	Keyboard Harmony II	1sh
MUSC 306	Counterpoint I	2sh

Proposed Program:

Bachelor of Arts—Music/General Studies Track

Mathematics: MATH 101 or other approved L.S. **50**

Fine Arts: MUHI 102

Natural Science: Option II recommended, PHYS 105

Social Science: PSYC 101

Liberal Studies Electives: 6cr, MUHI 301, no courses with MUSC prefix

Major:

Required Courses*: **49**

APMU (Major)	Applied Music I-VIII (2cr ea)	16cr
APMU 122	(Major) Applied Jury A	0cr
MUHI 302	Music History II	3cr
MUSC 111	Theory Skills I	2cr
MUSC 112	Theory Skills II	2cr
MUSC 115	Theory I	3cr
MUSC 116	Theory II	3cr
MUSC 120-136	8 semesters of Music Ensembles	8cr
MUSC 211	Theory Skills III	2cr
MUSC 212	Theory Skills IV	2cr
MUSC 215	Theory III	3cr
MUSC 216	Theory IV	3cr
MUSC 311	Fundamentals of Conducting	2cr
MUSC 475	8 semesters of Recital Attendance	0cr

Controlled Electives: **5**

Music Electives (with advisor approval, or as indicated below):	
MUSC 217/218 Keyboard Harmony (required for piano & organ majors only)	2cr
MUSC 351/3/4 Diction Classes (required for voice majors only)	3cr

Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements: **120**

(*) Students may satisfy any Theory Class by:
 Passing the final exam prior to or at the beginning of any given semester and then enrolling in Section 011 of the course for 0cr; the student's grade would be recorded as "Satisfactory" on the transcript.

Proposed Program:

Bachelor of Arts—Music/Theory and Composition Track

Liberal Studies: As outlined in Liberal Studies section with the following specifications: **50**

Mathematics: MATH 101 or other approved L.S.

Fine Arts: MUHI 102

Natural Science: Option II recommended, PHYS 105

Social Science: PSYC 101

Liberal Studies Electives: 6cr, MUHI 301, no courses with MUSC prefix

Major:

Required Courses*: **60**

APMU	Applied Piano I-VII	14cr
MUHI 302	Music History II	3cr
MUSC 111	Theory Skills I	2cr
MUSC 112	Theory Skills II	2cr
MUSC 115	Theory I	3cr
MUSC 116	Theory II	3cr
MUSC 120-136	4 semesters of Music Ensembles	4cr
MUSC 211	Theory Skills III	2cr
MUSC 212	Theory Skills IV	2cr
MUSC 215	Theory III	3cr
MUSC 216	Theory IV	3cr

MUSC 315	Theory V	3sh
MUSC 411	Composition I	2sh
MUSC 412	Composition II	2sh
MUSC 413	Composition III	2sh
MUSC 414	Composition IV	2sh

MUSC 217/218	Keyboard Harmony I/II	2cr
MUSC 306	Counterpoint I	2cr
MUSC 304	Form and Analysis or	
MUSC 309	Orchestration I	2cr
MUSC 311	Fundamentals of Conducting	2cr
MUSC 315	Theory V	3cr
MUSC 411-414	Composition I-IV	8cr
MUSC 475	8 semesters of Recital Attendance	0cr

Controlled Electives:

One from list: MUSC 304, 306, 309 2sh
 Applied Music I-VII: Private lessons in performance area—2sh each of 7 semesters 14sh
 Major related: MUHI 302 3sh

Other Requirements:

Music ensembles (MUSC 120-136) 8sh 8
 Jury clearance in major instrument, minor instrument (if any), and piano B 0sh
 Attendance at 8 recitals and all departmental meetings and recitals per semester (MUSC 475, S grade) 0sh

Free Electives:

7-9 Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements:

124

Controlled Electives:

Music electives (with advisor approval) **4**

Total Degree Requirements:

120

(*) Students may satisfy any Theory Class by: Passing the final exam prior to or at the beginning of any given semester and then enrolling in Section 011 of the course for 0cr; the student's grade would be recorded as "Satisfactory" on the transcript.

Current Program:

Bachelor of Fine Arts—Music/Music Performance

Liberal Studies: As outlined in Liberal Studies section with the following specifications: **53-55**
Mathematics: MATH 101 recommended
Fine Arts: MUHI 101
Liberal Studies Electives: HIST 305, MUHI 301, no courses with MUSC prefix

Major:

Required Courses:		55
MUSC 111	Theory Skills I	2sh
MUSC 112	Theory Skills II	2sh
MUSC 115	Theory I	3sh
MUSC 116	Theory II	3sh
MUSC 211	Theory Skills III	2sh
MUSC 212	Theory Skills IV	2sh
MUSC 215	Theory III	3sh
MUSC 216	Theory IV	3sh

Controlled Electives:

Applied Music I through VIII: private lessons in performance area—4sh each of eight semesters 32sh
 Major related: MUHI 302 3sh

Other Requirements:

Music ensembles (MUSC 120-136) 8sh
 Music electives 12sh(1)
 Jury clearance in major instrument, minor instrument (if any), and piano C (unless major or minor) 0sh
 Attendance at 8 recitals and all departmental meetings and recitals per semester (MUSC 475, S grade) 0sh
 Junior and Senior Recitals 0sh

Free Electives:

0 Free Electives: enough credits beyond those listed above to total 120 credits.

(#)Total Degree Requirements:

128-130

(1) Majors with piano or organ performance specialization must elect MUSC 217 and 218, 1sh each.

Proposed Program:

Bachelor of Fine Arts—Music/Music Performance

Liberal Studies: As outlined in Liberal Studies section with the following specifications: **50**
Mathematics: MATH 101 or other approved L.S.
Fine Arts: MUHI 102
Natural Science: Option II recommended, PHYS 105
Social Science: PSYC 101
Liberal Studies Electives: 6cr, MUHI 301

Major:

Required Courses*		65
APMU (Major)	Applied Music I-VIII (4cr ea)	32cr
APMU 122	(Major)Applied Jury A	0cr
MUHI 302	Music History II	3cr
MUSC 111	Theory Skills I	2cr
MUSC 112	Theory Skills II	2cr
MUSC 115	Theory I	3cr
MUSC 116	Theory II	3cr
MUSC 120-136	8 semesters of Music Ensembles	8cr
MUSC 211	Theory Skills III	2cr
MUSC 212	Theory Skills IV	2cr
MUSC 215	Theory III	3cr
MUSC 216	Theory IV	3cr
MUSC 311	Fundamentals of Conducting	2cr
MUSC 475	8 semesters of Recital Attendance	0cr

Controlled Electives:

Music Electives (with advisor approval, or as indicated below): **5**
 MUSC 217/218 Keyboard Harmony (required for piano & organ majors only) 2cr
 MUSC 351/3/4 Diction Classes (required for voice majors only) 3cr

0 Free Electives: enough credits beyond those listed above to total 120 credits.

Total Degree Requirements:

120

(*) Students may satisfy any Theory Class by: Passing the final exam prior to or at the beginning of any given semester and

(#) See advisory paragraph "Timely Completion of Degree Requirements" in the section on Requirements for Graduation.

then enrolling in Section 011 of the course for 0cr; the student's grade would be recorded as "Satisfactory" on the transcript.

Current Program:

BS in Education—Music Education (*)

Liberal Studies: As outlined in Liberal Studies section with the following specifications:

Mathematics: MATH 101 recommended

Fine Arts: MUHI 101

Social Science: PSYC 101

Liberal Studies Electives: BEDU/COSC/IFMG 101, HIST 305, MUHI 301, no courses with MUSC prefix

Professional Education Sequence:

EDEX 301 Ed. Student w/Disabilities	2sh
EDSP 102 Educational Psychology	3sh
EDUC 242 Pre-student Teaching I	1sh
EDUC 342 Pre-student Teaching II	1sh
EDUC 421 Student Teaching Elementary Level	6sh
EDUC 441 Student Teaching Secondary Level	6sh
EDUC 442 School Law	1sh
FDED 202 Amer. Ed. Th. & Prac.	3sh
MUSC 240 Technology in the Music Classroom	2sh
MUSC 331 Elementary Methods	2sh
MUSC 333 Secondary Methods	2sh

Major:

Required Courses:

MUSC 111 Theory Skills I	2sh
MUSC 112 Theory Skills II	2sh
MUSC 115 Theory I	3sh
MUSC 116 Theory II	3sh
MUSC 151 Class Voice I	1sh (2)
MUSC 152 Class Voice II	1sh (2)
MUSC 153 Class Piano I	1sh (3)
MUSC 154 Class Piano II	1sh (3)
MUSC 155 Class Strings I	1sh
MUSC 157 Class Percussion I	1sh
MUSC 159 Class Brass I	1sh
MUSC 161 Class Woodwinds I	1sh
MUSC 211 Theory Skills III	2sh
MUSC 212 Theory Skills IV	2sh
MUSC 215 Theory III	3sh
MUSC 216 Theory IV	3sh
MUSC 311 Fundamentals of Conducting	2sh

Controlled Electives:

One from list: MUSC 312 or 313	2sh
Applied Music I through VII: private lessons in performance area—2sh each of 7 semesters	14sh
Major related: MUHI 302	3sh

Other Requirements:

Music ensembles (MUSC 120-136)	7sh
Jury clearance in major instrument, minor instrument (if any), and piano C (unless major or minor)	0sh
Attendance at 8 recitals and all departmental meetings and recitals per semester (MUSC 475, S grade)	0sh

Proposed Program:

BS in Education—Music Education (*)

Liberal Studies: As outlined in Liberal Studies section with the following specifications:

Mathematics: 6cr, MATH 101 or 110; MATH 217

Humanities: HIST 195 (section for music majors) MUHI 102 (music education majors only)

Fine Arts: fulfilled by courses in the major

Natural Science: Option I recommended

Social Science: PSYC 101

Liberal Studies Electives: 3cr, MUHI 301, no courses with MUSC prefix

31 Professional Education Sequence:

EDSP 102 Educational Psychology	3sh
EDUC 242 Pre-student Teaching I	1cr
EDUC 342 Pre-student Teaching II	1cr
EDUC 421 Student Teaching Elementary Level	6cr
EDUC 441 Student Teaching Secondary Level	6cr
EDUC 442 School Law	1cr
MUSC 240 Technology in the Music Classroom	2cr
MUSC 331 Elementary Methods	2cr
MUSC 333 Instrumental Methods	2cr
MUSC 335 Music for Students with Disabilities in Inclusive Settings	1cr
MUSC 337 General/Choral Methods	2cr

49 Major: ()**

Required Courses

APMU (Major) Applied Music I-VII	14cr
APMU 122 (Major) Applied Jury A	0cr
MUHI 302 Music History II	3cr
MUSC 111 Theory Skills I	2cr
MUSC 112 Theory Skills II	2cr
MUSC 115 Theory I	3cr
MUSC 116 Theory II	3cr
MUSC 120-136 7 semesters of Music Ensembles	0cr
MUSC 211 Theory Skills III	2cr
MUSC 212 Theory Skills IV	2cr
MUSC 215 Theory III	3cr
MUSC 216 Theory IV	3cr
MUSC 311 Fundamentals of Conducting	2cr
MUSC 475 7 semesters of Recital Attendance	0cr

Concentration area courses: (select one concentration)

Vocal Concentration

APMU Piano (minor) I-IV	4cr
APMU 123 Applied Piano Jury B	0cr
Choose two of the following Class Instrument courses:	
MUSC 155,157,159,161	2cr
MUSC 351/3/4 Diction Classes	3cr

Instrumental Concentration

MUSC 151-2 Class Voice I & II	2cr
MUSC 153-4 Class Piano I & II	2cr
APMU 124 Applied Piano Jury C	0cr
MUSC 155, 157, 159, 161 Class Instrument I	4cr

7 Controlled Electives: (choose electives from the following to create a total of 51cr)

APMU Instrument (minor) I-IV (1cr each)	1cr
MUSC 120 Music Ensembles (0-1cr each)	1cr
MUSC 155-162 Class Instruments II (1cr each)	1cr
MUSC 163 Class Guitar	2cr
MUSC 224 Jazz Improvisation	2cr
MUSC 306 Counterpoint	2cr
MUSC 309 Orchestration	2cr

MUSC 312 /313	Choral/Instrumental Conducting	3cr
MUSC 315	Theory V	2cr
MUSC 340	Instrument Repair	2cr
MUSC 411	Composition	1cr
MUSC 493	Music Internship	1cr

Free Electives: **0**

(#)Total Degree Requirements: **140-142**

- (*) Also see requirements leading to teacher certification, titled "Admission to Teacher Education" in College of Education and Education Technology in this catalog.
- (1) Program revision in process - 3 additional sh of math will be required by the PA Department of Education.
- (2) For majors with voice as performance specialization, any three of the following may be substituted: MUSC 351, 353, 354, 406
- (3) Private Piano I and II (APMU 101, 151) may be substituted for Class Piano with permission of instructor.
- (#) Red advisory paragraph "Timely Completion of Degree Requirements" in the section on Requirements for Graduation.

Total Degree Requirements: **126**

- (*) See requirements leading to teacher certification in the catalog section on Academic Policies, "Admission to Teacher Education."
- (**) Students may satisfy any Theory Class or Class Instrument/Minor Instrument requirement by:
 1. Theory – Passing the final exam prior to or at the beginning of any given semester and then enrolling in Section 011 of the course for 0cr; the student's grade would be recorded as "Satisfactory" on the transcript.
 2. Class instrument or minor applied area – Passing the B or C required jury (0cr) before enrolling in class instruments or a minor applied course; the student's grade would be recorded as "Satisfactory" on the transcript.

[NOTES: ***The current catalog's total in the Major area does not reflect the present requirements for voice majors included in the notes (2) and (3) above.

****The current catalog's total, 140-142sh, is inaccurate.]

Rationale: A primary reason for the changes are to bring our programs in compliance with the 120 (126 in Music Education) maximum credits required by the BOG. Implementing this revision will create an opportunity for us to offer more to students in less credit hours. It will also allow us to re-establish three methods courses and to incorporate NASM recommendations by adding improvisation and multiculturalism to the music curriculum. But, succeeding with less requires more interrelationships among courses across the B.S. in Music Education program. This can be accomplished by synthesizing a wider range of courses in the Liberal Studies package and across all areas of the B.S. in Music Education degree program. MUHI 102 Survey of Music Literature will be a substitute for ENGL 121 for one year (03-04) for music education majors only, as the two departments (English and Music) continue to collaborate on this course. Free electives will be 12 in History and Literature Track; 6 in Theory and Composition Track; 16 in General Studies Track; 2 in the BFA Performance Track; and 0 in Music Education.