

30. Natural Science**PASSED****Program Revision (120)****Current Program****Bachelor of Science – Natural Science**

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

43-44sh

Mathematics: Included in major

Natural Science: included in major

Liberal Studies Electives: No courses with SCI prefix

Synthesis: Not required for three-year students who transfer to a professional school with an articulation agreement

Writing Intensive: One course required for three-year students who transfer to a professional school with an articulation agreement

Major: **44-46sh**

Controlled Electives

BIOL courses 8sh

Controlled Electives

CHEM courses 8sh

Controlled Electives

PHYS courses 8sh

Controlled Electives

MATH courses 7-8sh

Controlled Electives

Computer Science and/or advanced courses
In Biology, Chemistry, Mathematics
or Physics 13-14sh

Other Requirements:**0-9sh**

Foreign Language Intermediate Level 0-6sh

COSC 101 Microbased Computer Literacy 0-3sh

Free Electives**25-37sh****Total Degree Requirements:****124sh****Proposed Program****Bachelor of Science – Natural Science**

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

49sh

Mathematics: MATH 121

Natural Sciences: CHEM 111-112

Social Sciences : PSYC 101

Liberal Studies Electives: BTED, COSC, or IFMG 101; No courses with SCI prefix

Synthesis: Not required for three-year students who transfer to a professional school with an articulation agreement

Writing Intensive: Majors writing intensive course only required for three-year students who transfer to a professional school with an articulation agreement

Major: **41sh**

Required Courses: (BIOLOGY)

BIOL 111 Principles of Biology I 4sh

BIOL 112 Principles of Biology II 4sh

BIOL 150 Human Anatomy 3sh

BIOL 151 Human Physiology 4sh

BIOL 241 General Microbiology 3sh

BIOL 263 Genetics 3sh

Required Courses: (CHEMISTRY)

CHEM 231 Organic Chemistry I 4sh

CHEM 232 Organic Chemistry II or

CHEM 351 Biochemistry 4sh

Required Courses: (PHYSICS)

PHYS 111 General Physics I 3sh

PHYS 121 General Physics I Lab 1sh

PHYS 112 General Physics II 3sh

PHYS 122 General Physics II Lab 1sh

Required Course: (MATHEMATICS)

MATH 216 Probability & Statistics 4sh

Other Requirements:**0-6sh**

Foreign Language Intermediate Level 0-6sh

Free Electives**24-30sh****Total Degree Requirements:****120sh****Current Program****Bachelor of Science –****Natural Science/Pre-Chiropractic(*)**

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

52-55**Proposed Program****Bachelor of Science –****Natural Science/Pre-Chiropractic(*)**

Liberal Studies: As outlined in Liberal Studies section with following

49

Specifications:

Mathematics: MATH 121**Natural Science :** CHEM 111-112**Social Sciences :** PSYC 101**Liberal Studies Electives:** COSC 101, MATH 217,

No courses with SCI prefix

Synthesis: Not required for three-year students who transfer to a professional school with an articulation agreement

Writing Intensive: One course required for three-year students who transfer to a professional school with an articulation agreement

Major: 37sh**Required Courses:**

BIOL 111	Principles of Biology 1	4sh
BIOL 112	Principles of Biology II	4sh
BIOL 150	Human Anatomy	3sh
BIOL 151	Human Physiology	4sh
BIOL 241	General Microbiology	3sh

CHEM 231	Organic Chemistry I	4sh
CHEM 232	Organic Chemistry II	4sh

PHYS 111	General Physics I	3sh
PHYS 121	General Physics I Lab	1sh
PHYS 112	General Physics II	3sh
PHYS 122	General Physics II Lab	1sh
PSYC 101	General Psychology	3sh

Other Requirements: 4-6

Foreign Language Intermediate Level 4-6sh

Free Electives:

Electives to meet the minimum of 90 IUP sh and Minimum of 24 sh in Humanities and Social Sciences for admission to New York Chiropractic College (NYCC)

Maximum credits for work at NYCC 34**Total Degree Requirements: 131**

(*) Accelerated three-year New York Chiropractic College (NYCC) program: student are admitted to the NYCC accelerated program Only as incoming freshmen. A maximum of 35sh of work may be transferred after the first year at NYCC. Upon completion of the first year of studies at NYCC, a transcript from NYCC is to be sent by the student to the dean of the College of Natural Science and Mathematics with a note requesting application materials For graduation

(1)3 or 4 sh of Intermediate-level Foreign Language may be included in Liberal Studies electives

Current Program
Bachelor of Science –
Natural Science/Pre-Dentistry

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

Mathematics: MATH 121**Natural Science:** CHEM 111-112**Social Sciences:** PSYC 101, non-Western course**Liberal Studies Electives:** COSC 101, MATH 216 or 217, PHYS 111**52-55**

specifications:

Mathematics: 4cr. MATH 121**Natural Sciences :** CHEM 111-112**Social Sciences :** PSYC 101**Liberal Studies Electives:** COSC 101,

No courses with SCI prefix.

Synthesis: Not required for three-year students who transfer to a professional school with an articulation agreement

Writing Intensive: Majors writing intensive course only required for three-year students who transfer to a professional school with an articulation agreement

Major 41sh**Required Courses:**

BIOL 111	Principles of Biology I	4sh
BIOL 112	Principles of Biology II	4sh
BIOL 150	Human Anatomy	3sh
BIOL 151	Human Physiology	4sh
BIOL 241	General Microbiology	3sh
BIOL 263	Genetics	3sh

CHEM 231	Organic Chemistry I	4sh
CHEM 232	Organic Chemistry II or	

CHEM 351	Biochemistry	4sh
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PHYS 111	General Physics I	3sh
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PHYS 121	General Physics I Lab	1sh
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PHYS 112	General Physics II	3sh
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PHYS 122	General Physics II Lab	1sh
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MATH 216	Probability & Statistics	4sh
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Other Requirements: 0-6sh

Foreign Language Intermediate Level 0-6sh

Free Electives(1): 0-30

Electives to meet minimum of 90 IUP sh and Minimum of 24sh in Humanities and Social Sciences for admission to affiliated chiropractic colleges after 3 years.

Maximum credits for work at affiliated chiropractic school 30**Total Degree Requirements: 120**

(*) Accelerated three-year New York Chiropractic College (NYCC) and Logan Chiropractic College (LCC) programs. A maximum of 30sh of work may be transferred after the first year at NYCC or LCC. Upon completion of the first year of studies at NYCC or LCC, a transcript from NYCC or LCC is to be sent by the student to the dean of the College of Natural Sciences and Mathematics with a note requesting application materials for graduation.

(1) Student is to work with his/her advisor to select appropriate free electives for professional school. Additional courses in Biology and HPED 315 or 345 are recommended

Proposed Program
Bachelor of Science –
Natural Science/Pre-Dentistry(*)

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

Mathematics: MATH 121**Natural Sciences:** CHEM 111-112**Social Sciences:** PSYC 101**Liberal Studies Electives:** COSC 101, No courses with SCI prefix.**49**

Synthesis: one course

Writing Intensive: two courses, at least one in the Sciences and Mathematics

Synthesis: Not required for three-year students who transfer to a professional school with an articulation agreement

Writing Intensive: Majors writing intensive course only required for three-year students who transfer to a professional school with an articulation agreement

Major			31	Major			41
Required Courses				Required Courses			
BIOL 111	Principles of Biology I	4sh		BIOL 111	Principles of Biology I	4sh	
BIOL 112	Principles of Biology II	4sh		BIOL 112	Principles of Biology II	4sh	
BIOL 150	Human Anatomy	3sh		BIOL 150	Human Anatomy	3sh	
BIOL 151	Human Physiology	4sh		BIOL 151	Human Physiology	4sh	
BIOL 241	General Microbiology	3sh		BIOL 241	General Microbiology	3sh	
				BIOL 263	Genetics	3sh	
CHEM 231	Organic Chemistry I	4sh		CHEM 231	Organic Chemistry I	4sh	
CHEM 232	Organic Chemistry II	4sh		CHEM 232	Organic Chemistry II or		
				CHEM 351	Biochemistry	4sh	
				PHYS 111	General Physics I	3sh	
PHYS 121	General Physics I Lab	1sh		PHYS 121	General Physics I Lab	1sh	
PHYS 112	General Physics II	3sh		PHYS 112	General Physics II	3sh	
PHYS 122	General Physics II Lab	1sh		PHYS 122	General Physics II Lab	1sh	
				MATH 216	Probability & Statistics	4sh	
Other Requirements:			4-8	Other Requirements:			0-6
Foreign Language Intermediate Level			4-6sh	Foreign Language Intermediate Level			0-6sh
Free Electives(1):			29-34sh	Free Electives(1):			0-30sh
				Electives to meet minimum of 90 IUP sh and minimum of 24 sh in Humanities and Social Sciences for admission to affiliated dental school after 3 years.			
				Maximum credits for work at affiliated dental school			<u>30</u>
Total Degree Requirements:			131	Total Degree Requirements:			120

(*) Accelerated three-year Temple University School of Dentistry program. A maximum of 30sh may be transferred after the first year at Temple University School of Dentistry. Upon completion of the first year of studies at Temple University School of Dentistry, a transcript from Temple University is to be sent by the student to the dean of the College of Natural Sciences and Mathematics at IUP with A note requesting application material for graduation.

1) Student is to work with his/her advisor to select appropriate free electives for professional school. Biochemistry and Ceramics are highly recommended courses

1) Student is to work with his/her advisor to select appropriate Free electives for professional school. Ceramics and additional courses in Biology are highly recommended.

Current Program
Bachelor of Science –
Natural Science/Pre-Physical Therapy Track

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

Mathematics: MATH 121

Natural Science: CHEM 111-112

52-55sh

Proposed Program
Bachelor of Science –
Natural Science/Pre-Physical Therapy Track
(*)

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

Mathematics: MATH 121

Natural Sciences: CHEM 111-112

49sh

Social Sciences: PSYC 101, non-Western course
Liberal Studies Electives: COSC 101, MATH 217, no courses with SCI prefix
Synthesis: one course

Writing Intensive: two courses, at least one in College of Natural Sciences and Mathematics with an articulation agreement

Major 34sh

Required Courses

BIOL 111 Principles of Biology I 4sh
 BIOL 112 Principles of Biology II 4sh
 BIOL 150 Human Anatomy 3sh
 BIOL 151 Human Physiology 4sh

CHEM 231 Organic Chemistry I 4sh

CHEM 351 Biochemistry 4sh
 PHYS 111 General Physics I 3sh
 PHYS 121 General Physics I Lab 1sh
 PHYS 112 General Physics II 3sh
 PHYS 122 General Physics II Lab 1sh
 PSYC 101 General Psychology 3sh

Other Requirements: 4-8

Foreign Language Intermediate Level

Free Electives: 32-37

Total Degree Requirements: 124

Social Sciences: PSYC 101
Liberal Studies Electives: COSC 101, no courses with SCI prefix.
Synthesis: Not required for three-year students who transfer to a professional school with an articulation agreement

Writing Intensive: Majors writing intensive course only required for three-year students who transfer to a professional school with an articulation agreement

Major 41sh

Required Courses

BIOL 111 Principles of Biology I 4sh
 BIOL 112 Principles of Biology II 4sh
 BIOL 150 Human Anatomy 3sh
 BIOL 151 Human Physiology 4sh
 BIOL 241 General Microbiology 3sh
 BIOL 263 Genetics 3sh
 CHEM 231 Organic Chemistry I 4sh
 CHEM 232 Organic Chemistry II or CHEM 351 Biochemistry 4sh
 PHYS 111 General Physics I 3sh
 PHYS 121 General Physics I Lab 1sh
 PHYS 112 General Physics II 3sh
 PHYS 122 General Physics II Lab 1sh
 MATH 216 Probability & Statistics 4sh

Other Requirements: 0-6

Foreign Language Intermediate Level 0-6sh

Free Electives(1) 0-30

Electives to meet minimum of 90 IUP sh and a minimum of 24 sh in Humanities and Social Sciences for admission to affiliated physical therapy school after 3 years at IUP.

Maximum credits for work at affiliated physical therapy school 30

Total Degree Requirements: 120

(*) Accelerated three-year Gannon University School of Physical Therapy program. A maximum of 30sh of work may be transferred after the first year at Gannon University School of Physical Therapy. Upon the completion of the first year of studies at Gannon University School of Physical Therapy, a transcript from Gannon University is to be sent by the student to the dean of the College of Natural Sciences and Mathematics with a note requesting application materials for graduation

(1) Student is to work with his/her advisor to select appropriate free electives for professional school. Neurobiology, Biomechanics and Athletic Training are highly recommended.

Current Program
Bachelor of Science –
Natural Science/Pre-Pharmacy Track (*)

Liberal Studies: As outlined in the Liberal

Proposed Program
Bachelor of Science –
Natural Science/ Pre-Pharmacy Track(*)

Liberal Studies: As outlined in Liberal

Studies section with the following specifications 52-55

Mathematics: MATH 121

Natural Science: CHEM 111-112

Social Sciences: ECON 101, PSYC 101,

Non-Western course

Liberal Studies Electives: COSC 101, MATH 216 or 217, no course with SCI prefix

Synthesis: Not required for three-year students who transfer to a professional school with an Articulation agreement

Writing Intensive: one course required for three-year students who transfer to a professional school with an articulation agreement

Major 37

Required Courses

BIOL 111 Principles of Biology I 4sh

BIOL 112 Principles of Biology II 4sh

BIOL 150 Human Anatomy 3sh

BIOL 151 Human Physiology 4sh

BIOL 241 General Microbiology 3sh

CHEM 231 Organic Chemistry I 4sh

CHEM 232 Organic Chemistry II 4sh

PHYS 111 General Physics I 3sh

PHYS 121 General Physics I Lab 1sh

PHYS 112 General Physics II 3sh

PHYS 122 General Physics II Lab 1sh

PSYC 101 General Psychology 3sh

Other Requirements: 4-6

Foreign Language Intermediate Level (1)

Free Electives(2): 29-39

Electives to meet a minimum of 90 IUP sh
And a minimum of 24sh of Humanities and
Social Sciences for admission to Shenandoah
University School of Pharmacy.

Maximum credits for work at Shenandoah

University School of Pharmacy : 34

Total Degree Requirements: 124

(*) Accelerated three-year Shenandoah University School of Pharmacy program: Students are admitted to Shenandoah University School of Pharmacy accelerated Program only as incoming freshmen. A maximum of 34sh Of work may be transferred after the first year at Shenandoah University School of Pharmacy. Upon completion of the first Of studies at Shenandoah University, a transcript from Shenandoah University is to be sent to the dean of the College Of Natural Sciences and Mathematics at IUP with a note Requesting application materials for graduation.

(1) 3 or 4 sh of Intermediate-level Foreign Language may be included in Liberal Studies electives

Studies section with following specifications. 49

Mathematics: MATH 121

Natural Sciences: CHEM 111-112

Social Sciences: PSYC 101, ECON 101

Liberal Studies Electives: COSC 101,

No courses with SCI prefix.

Synthesis: Not required for three-year students who transfer to a professional school with an articulation agreement

Writing Intensive: Majors writing intensive course only required for three-year students who transfer to a professional school with an articulation agreement

Major 41

Required Courses

BIOL 111 Principles of Biology I 4sh

BIOL 112 Principles of Biology II 4sh

BIOL 150 Human Anatomy 3sh

BIOL 151 Human Physiology 4sh

BIOL 241 General Microbiology 3sh

BIOL 263 Genetics 3sh

CHEM 231 Organic Chemistry I 4sh

CHEM 232 Organic Chemistry II or

CHEM 351 Biochemistry 4sh

PHYS 111 General Physics I 3sh

PHYS 121 General Physics I Lab 1sh

PHYS 112 General Physics II 3sh

PHYS 122 General Physics II Lab 1sh

MATH 216 Probability & Statistics 4sh

Other Requirements: 0-6

Foreign Language Intermediate Level 0-6sh

Free Electives(1): 0-30

Electives to meet minimum of 90 IUP sh and a
minimum of 24 sh in Humanities and Social
Sciences for admission to affiliated pharmacy
School after 3 years at IUP

Maximum credits for work at affiliated

pharmacy school 30

Total Degree Requirements: 120

(*) Accelerated three-year Shenandoah University School of Pharmacy (SUSP) or Lake Erie College of Osteopathic Medicine School of Pharmacy (LECOMP) program. A maximum of 30sh may be transferred after first year at SUSP or LECOMP. Upon completion of the first year of studies at either SUSP or LECOMP, a transcript from SUSP or LECOMP is to be sent by the student to the dean of the College of Natural Science and Mathematics at IUP with a note requesting application materials for graduation

(1) Student is to work with his/her advisor to select appropriate free electives for professional school. Additional courses in

chemistry and COMM 101 are recommended.

90 ENGL 262 is a recommended course

Current Program

Bachelor of Science – Natural Science/Pre-Podiatry Track

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

52-55

Mathematics: MATH 121

Natural Science: CHEM 111-112

Social Sciences: PSYC 101, non-Western course

Liberal Studies Electives: COSC 101, MATH 217, PHYS 111

Synthesis: Not required for three-year students who transfer to a professional school with an Articulation agreement

Writing Intensive: one course required for three-year students who transfer to a professional school with an articulation agreement

Major

31-34

Required Courses:

BIOL 111 Principles of Biology I 4sh
BIOL 112 Principles of Biology II 4sh

BIOL 263 Genetics 3sh
CHEM 231 Organic Chemistry I 4sh
CHEM 232 Organic Chemistry II 4sh
CHEM 351 Biochemistry 4sh

PHYS 121 General Physics I Lab 1sh
PHYS 112 General Physics II 3sh
PHYS 122 General Physics II Lab 1sh
PSYC 101 General Psychology 3sh

Controlled Electives:

Biology electives 3-6sh

Other Requirements:

Foreign Language Intermediate Level

Free Electives:

Electives to meet a minimum of 90 IUP sh

Credits from work at Temple University
School of Podiatry :

34

Total Degree Requirements:

124

Proposed Program

Bachelor of Science – Natural Science/ Pre-Podiatry Track(*)

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

49

Mathematics: MATH 121

Natural Sciences: CHEM 111-112

Social Sciences: PSYC 101

Liberal Studies Electives: COSC 101,
no courses with SCI prefix.

Synthesis: Not required for three-year students who transfer to a professional school with an articulation agreement

Writing Intensive: Majors writing intensive course only required for three-year students who transfer to a professional school with an articulation agreement

Major

41

Required Courses:

BIOL 111 Principles of Biology I 4sh
BIOL 112 Principles of Biology II 4sh
BIOL 150 Human Anatomy 3sh
BIOL 151 Human Physiology 4sh
BIOL 241 General Microbiology 3sh
BIOL 263 Genetics 3sh
CHEM 231 Organic Chemistry I 4sh
CHEM 232 Organic Chemistry II or
CHEM 351 Biochemistry 4sh
PHYS 111 General Physics I 3sh
PHYS 121 General Physics I Lab 1sh
PHYS 112 General Physics II 3sh
PHYS 122 General Physics II Lab 1sh
MATH 216 Probability & Statistics 4sh

Other Requirements:

Foreign Language Intermediate Level 0-6sh

Free Electives(1):

0-30

Electives to meet minimum of 90 IUP sh and a minimum of 24 sh in Humanities and Social Sciences for admission to affiliated podiatry school after 3 years at IUP

Maximum credits for work at affiliated
podiatry school

30

Total Degree Requirements:

120

(*) Accelerated three-year Temple University School

of Podiatry program. A maximum of 30sh may be transferred after the first at Temple University School of Podiatry. Upon completion of the first year of studies at Temple University School of Podiatry, a transcript from Temple University is to be sent by the student to the dean of the College of Natural Science and Mathematics at IUP with a note requesting application materials for graduation

90 Student is to work with his/her advisor to select appropriate free electives for professional school. Additional courses in Biology are recommended.

Current Program

Bachelor of Science – Natural Science/Pre-Optometry Track(*)

Liberal Studies: As outlined in the Liberal Studies section with the following specifications 52-55

Mathematics: MATH 121

Natural Science: CHEM 111-112

Social Sciences: PSYC 101, ECON 101, Non-Western course

Liberal Studies Electives: COSC 101, MATH 216 or 217, no courses with SCI prefix

Synthesis: Not required for three-year students who transfer to a professional school with an articulation agreement

Writing Intensive: One course required for three-year students who transfer to a professional school with an articulation agreement

Major 34

Required Courses

BIOL 111 Principles of Biology I 4sh
BIOL 112 Principles of Biology II 4sh
BIOL 150 Human Anatomy 3sh
BIOL 151 Human Physiology 4sh

CHEM 231 Organic Chemistry I 4sh

CHEM 351 Biochemistry 4sh
PHYS 111 General Physics I 3sh
PHYS 121 General Physics I Lab 1sh
PHYS 112 General Physics II 3sh
PHYS 122 General Physics II Lab 1sh
PSYC 101 General Psychology 3sh

Other Requirements: 0-7

Foreign Language Intermediate Level(1)
MATH 122 Calculus II 4sh(2)

Free Electives: 29-39

Electives to meet a minimum of 90 IUP sh
0-3sh(3)

Proposed Program

Bachelor of Science – Natural Science/Pre-Optometry Track(*)

Liberal Studies: As outlined in Liberal Studies section with following specifications. 49

Mathematics: MATH 121

Natural Sciences: CHEM 111-112

Social Sciences: PSYC 101, ECON 101

Liberal Studies Electives: COSC 101, no courses with SCI prefix.

Synthesis: Not required for three-year students who transfer to a professional school with an articulation agreement

Writing Intensive: Majors writing intensive course only required for three-year students who transfer to a professional school with an articulation agreement

Major 41

Required Courses

BIOL 111 Principles of Biology I 4sh
BIOL 112 Principles of Biology II 4sh
BIOL 150 Human Anatomy 3sh
BIOL 151 Human Physiology 4sh
BIOL 241 General Microbiology 3sh
BIOL 263 Genetics 3sh
CHEM 231 Organic Chemistry I 4sh
CHEM 232 Organic Chemistry II or
CHEM 351 Biochemistry 4sh
PHYS 111 General Physics I 3sh
PHYS 121 General Physics I Lab 1sh
PHYS 112 General Physics II 3sh
PHYS 122 General Physics II Lab 1sh
MATH 216 Probability & Statistics 4sh

Other Requirements: 0-6

Foreign Language Intermediate Level 0-6sh

Free ElectivesⓈ1) 0-30

Electives to meet minimum of 90 IUP sh and a minimum of 24 sh in Humanities and Social

Credits from work at Pennsylvania College of Optometry 34sh

Total Degree Requirements:

124sh

(*) Accelerated three-year Pennsylvania College of Optometry (PCO) program: students are admitted to the PCO accelerated program only as incoming freshman. A maximum of 34sh of work may be transferred after the first year at PCO. Upon completion of the first year of studies at PCO, a transcript from PCO is to be sent by the student to the Dean of the College of Natural Sciences and Mathematics with a note requesting application materials for Graduation

(1) 3 or 4 sh of Intermediate-level Foreign Language may be included in Liberal Studies electives

(2) Required for many school of optometry: recommended for PCO

(3) Additional electives if needed to meet the minimum of 90 IUP should be selected from the following suggestions: BIOL 112 and 263.

Sciences for admission to affiliated optometry school after 3 years at IUP.

Maximum credits for work at affiliated optometry school

30sh

Total Degree Requirements:

120sh

(*) Accelerated three-year Pennsylvania College of Optometry (PCO) program: A Maximum of 30sh of work may be transferred after the first year at PCO

Upon completion of the first year of studies at PCO, a transcript from PCO is to be sent by the student to the Dean of the College of Natural Sciences and Mathematics with a note requesting application materials for graduation.

(1) Student is to work with his/her advisor to select appropriate free electives for professional school. Neurobiology and Optics are highly recommended courses.

**APPENDIX D:
University-Wide Graduate Committee
(Chairpersons LaPorte and Chambers)**

FOR ACTION:

MOTION PASSED WITH THREE FRIENDLY AMENDMENTS:

(1) That faculty from the Economics Department be added to the “Eligible and Interested Faculty” table; (2) that language to the paragraph regarding admission indicating that prospective students must meet some minimum score on the GMAT); and (3) that a signature line for the Graduate Dean be added.

Variability in Program Delivery

Proposal for Delivery of FLEX MBA Program in Bangalore, Indiana University of PA

Introduction

The Flex MBA Program was approved in 1993. It provides for delivery of IUP’s MBA Program in a foreign market. It was originally approved for delivery to a corporate campus in Madras, India. The corporation was a spin-off from Lucent Technologies (an American company). Virtually all of the company’s employees were engineers and computer scientists. When the company lost a large contract with Lucent, plans for delivery of the Flex MBA were terminated. The UWGC later approved the program for delivery in Belize, but a satisfactory cohort could not be developed. The current proposal involves a partnership with PES School of Management in Bangalore, India.

Dr. Prashanth Bharadwaj, chair of IUP’s Management Department, attended engineering school with the current president of PES. The demand in India for an accredited MBA program from an American institution is substantial. As a consequence of the high demand and the long term relationship between Jawahar Doeswamy, President of PES, and Prashanth Bharadwaj, PES has proposed the partnership with IUP’s Eberly College.

Under the partnership with PES, IUP would deliver the graduate coursework for the MBA on the PES campus in Bangalore. PES would be responsible for recruiting a qualified cohort of students, with each student having completed all undergraduate prerequisite coursework. PES would be responsible for delivery of two graduate elective courses for transfer into the program (as permitted under the rules of IUP’s Graduate School). (Please see Appendix A).

The agreement for delivery of the program would be between the Eberly College and PES School of Management. PES would collect tuition and pay it to IUP in advance of delivery of the coursework. Students would be required to meet the regular admission standards applicable to the MBA Program at IUP and would have to fulfill all graduate degree requirements in order to receive the degree which would be issued at IUP.

Method of Delivery

Faculty: IUP’s graduate offering in Bangalore would be delivered entirely by tenure track faculty who meet the criteria for teaching at the graduate level at IUP. Over two dozen faculty have already indicated an interest in teaching onsite in Bangalore. (Please see Appendix A). Faculty would be compensated using CBA Article 27.

Facilities/Location: The program would be delivered entirely on site at PES School of Management in Bangalore, India. PES has a regular college campus. In addition, it has recently completed construction of a five-story facility which houses an MBA Program offered by PES and also provide space for the proposed MBA offering by the Eberly College. The instructional facilities are comparable to those which currently exist in the Eberly Complex on IUP’s campus. PES School of Management has a strong commitment to information technology. (In fact, large numbers of their recent graduates are employed at leading firms in Bangalore’s equivalent of our “Silicon Valley.”) Each classroom will be

equipped with a computerized teaching station. In addition, PES has its own local network and Web connections. The latest software applications utilized on IUP's campus would be available onsite.

Learning Resources/Equipment: *No additional learning resources or equipment are required.* PES is a full-fledged university with state-of-the-art computing and library facilities. They have been offering a reputed MBA program for several years and the students have had access to all the needed library and computing resources. The Dean and a faculty member of the Eberly College were very impressed with the resources during a recent visit to PES facilities.

Outcomes Assessment: Many of the traditional tools used for outcomes assessment on campus will be used in this program for comparison purposes:

- AACSB/EBI annual survey will be conducted at the point of graduation to assess the student's satisfaction of their learning experience. The survey results will be compared with survey results from the traditional MBA/EMBA programs at IUP and the survey results from the independent PES program in Bangalore, India.
- Exit interviews of 20% random sample of graduating students from the program as per AACSB guidelines.
- Survey of employers of graduates, one year after graduation.
- Survey of alumni, three years after graduation to assess the strengths and weaknesses of the program based on the graduates' assessment of relevancy of skills learned in the program and the delivery method.
- AACSB/EBI MBA core subject area competency test administration (on a voluntary basis) to a sample of students who have completed the core.

Course Schedule: Courses will be taught onsite for three weeks at a time (14 class periods at 2 ½ hours each, plus a final). Faculty will travel to Bangalore in pairs and offer two courses onsite three times per year (essentially a trimester).

Statement of Compliance

The Flex MBA Program to be delivered at PES School of Management in Bangalore, India will comply with all relevant guidelines contained in the Collective Bargaining Agreement, Meet and Discuss Agreements, and the Graduate Curriculum Handbook. Program delivery will also be consistent with both the Pennsylvania State System of Higher Education and IUP Mission Statements.

Impact of Program

India is a country of over 1 billion people with an urban population close to the entire population of the United States. The city of Bangalore itself has a population of over 5 million with dozens of colleges in all areas including science, arts, commerce/business, medicine, law, engineering, etc. In India, the goal of every urban family is to provide undergraduate education to their children. In addition, higher education is considered to be a stepping stone to embarking on a promising career. Until recently, graduate education (and to a certain extent, the undergraduate education) in India was primarily focused on science, technology and engineering. That is the reason that India has emerged as a global leader in the area of Information Technology over the last 15 years. More recently, however, the establishment of literally hundreds of multinational companies in India and the emergence of thousands of Indian manufacturing and IT companies have elevated the importance of an MBA degree for managers at all levels.

There are over 10,000 MBAs graduating from India every year according to several estimates. The degrees are awarded from three major segments of educational institutions: a) The top 30 MBA granting institutions in the country are comparable to the world class MBA programs in the U.S. [The Indian Institutes of Management (IIMs) are the most prominent.] b) several established state universities, and c) numerous private universities and institutes. The IIMs and other major schools are not able to meet the increasing demand for graduate level management training. Many of the universities and institutions in categories B and C are not producing graduates who have been well accepted by employers in India. PES, on the other hand, has been able to gain a strong reputation among employers because of its excellent infrastructure, dedicated faculty, U.S. educated management, and financing/advising by a group of highly successful entrepreneurs and professionals in the U.S. By teaming up with IUP, which offers an accredited American MBA, PES

will be able to attract the same quality of students currently enrolled in the premier MBA granting institutions in India such as the IIMs.

Graduate education from U.S. universities is highly regarded in India as evidenced by the huge number of Indian graduate students in U.S. universities. Indian students are willing to pay over a 100 percent premium for a U.S. education. In the last few years, the demand for MBAs from U.S. universities has increased. However, the ability of Indian students and professionals to travel to the U.S. to get their MBAs has decreased due to two reasons: a) visa restrictions and difficulties after September 11 and b) the high level of employability of Indian undergraduates and their subsequent inflexibility to take a leave of absence for extended time. This has created an extremely large market for MBAs from U.S. universities offered onsite in India. Also, obtaining U.S. degrees in India is ideal for Indian students since it eliminates travel and living expenses. Already two universities (Universities in the Ohio and California State systems) have established their MBA programs in association with private colleges in Bangalore. This is just the beginning and there will be a flood of universities scrambling to tap into the huge market in the near future. PES institute offers one of the most highly reputed and sought after MBA programs from a private university in all of South India. Every year, they turn down highly qualified applicants. Eberly College's accreditation by AACSB (Association to Advance Collegiate Schools of Business--International) will enable IUP to compete for the top students in India.

It is worth noting also that in 2005 World Trade Organization guidelines require all member countries to open up their higher education markets to foreign competition. This means any U.S. or European university will be eligible to offer their program in India. With this proposal, IUP would have successfully graduated one cohort group and established our reputation by 2005. Initiation of program delivery by IUP, at this time, will give IUP visibility and allow it to develop a strong reputation before other entries into the market. Furthermore, the Indian government enforces a limit on the number of students that can be admitted to each local university every year while a similar limit is not currently enforced on degrees offered by accredited foreign universities

India's most reputed English language newspaper, Hindu reports (November 11, 2002) that "students are scrambling to get hold of an MBA degree." The report also talks about the tally of B-schools in India crossing 1,000 compared to 50 or 60 two decades ago while the large majority of these high numbers of institutions lack the reputation among employers. IUP's degree will figure among the top 10 percent just based on faculty credentials, performance in the classroom, and our partner's ability to recruit highly qualified students and place them successfully.

Demand: As noted above, this program will be delivered under contract with PES School of Management. They will be responsible for recruiting the cohort. Payment will be made in advance for course delivery, so there will be no financial risk to the institution. As also noted, the demand for accredited MBA's offered by American institutions far exceeds the supply of seats available through existing partnerships with American institutions.

Impact on Existing Programs: This program will be delivered onsite in three-week blocks in December, January, May, and August. It will not conflict with any scheduled instruction on the IUP campus. Faculty will be recruited on a voluntary basis. Because this program will be connected to a broader partnership involving both student and faculty exchanges, it will increase enrollment on campus and also enhance opportunities for cross-cultural development on the part of the faculty. Finally, it will enhance the reputation of the Eberly College and expand opportunities for additional cross-cultural program delivery in other countries.

APPENDIX A (to UWGC report)

Recommended Sequence for Courses and Interested Faculty

Trimester	Courses	Eligible and Interested Faculty
I	All necessary pre-requisites taught by PES	
II	- QBUS 602 Data Analysis and Decision Making—3 credits - ACCT 607 Managerial Accounting—3	Albohali, Pierce Kline, Joseph, Rahman
III	- MGMT 613 Organizational Analysis—3 - IFMG 640 Information Systems—3	Falcone, Osborne, Orife, Ali, Wisnieski, Ashmalla, Gibbs, Bharadwaj, Soni Rodger, Burky, Pierce, Wibowo
IV	- MKTG 603 Marketing Management—3 - FIN 630 Financial Management—3	Batra, Bebko, Garg, Krishnan, Sharma, Affaneh, Boldin, Chaudry, Eastman, Gart
V	- MGMT 695 Business Policy—3 - Elective—3	Falcone, Osborne, Orife, Ali, Wisnieski, Ashmalla, Gibbs, Bharadwaj, Soni Several ECOBIT faculty, including those listed above, have expressed interest in participating in this program.
VI	- Elective—3 - Elective—3	Several ECOBIT faculty, including those listed above, have expressed interest in participating in this program.

* 3-6 credits of transferable graduate courses will be delivered by PES in one of the trimesters.

Memorandum of Understanding Between The Eberly College of Business and Information Technology At Indiana University of Pennsylvania And People's Educational Society-School of Management Bangalore, India

Introduction

The agreement outlined below between the Eberly College of Business and Information Technology at Indiana University of Pennsylvania (IUP) and the People's Educational Society-School of Management (PES) in Bangalore, India constitutes an educational partnership. The primary purpose of this agreement is to facilitate the delivery of the Masters in Business Administration degree (MBA) onsite at the PES campus in Bangalore, India. In addition, this agreement is intended to facilitate graduate student and faculty exchanges between the two institutions. Specific provisions regarding delivery of the MBA and graduate student and faculty exchanges are outlined below.

Provisions Related to Delivery of the MBA

Under this agreement, IUP will be responsible for admissions, onsite program delivery in Bangalore, India, and awarding of degrees to qualified candidates. PES will be responsible for recruitment of qualified graduate students, collection and

advance payment of contracted tuition for each cohort of students recruited, onsite facilitation of course delivery, and follow-up facilitation regarding program assessment.

Accreditation

IUP agrees to deliver an AACSB-International accredited MBA program onsite at PES in Bangalore, India.

Admissions

IUP agrees to admit students to the MBA program using the same criteria which would be applied for admission to the MBA program which is delivered on campus at IUP. To be considered for admission, students will need to submit an admissions application, official transcripts, and scores for the Graduate Management Admissions Test (GMAT) and the TOEFL.

Delivery

IUP's graduate offering at PES will be delivered entirely by tenure track faculty who meet the criteria for teaching at the graduate level at IUP. IUP will compensate the faculty and pay for travel to and from the PES campus in Bangalore, India. PES agrees to provide housing, local transportation, and two meals per day onsite during each onsite instructional period.

IUP coursework will be delivered in a compressed format with intensive instruction over three-week periods three times per year (December-January, May, and August). Timing of course delivery can be altered by mutual agreement between IUP and PES but cannot overlap with instructional obligations on campus. It is anticipated that the full cycle of graduate coursework offered by both IUP and PES will be delivered over six trimesters (with the first trimester being solely offered by PES for pre-requisite coverage).

Coursework Requirements

The coursework requirements for the MBA offered by IUP are listed in the University catalog. Requirements imposed on graduate students enrolled in the program in Bangalore, India will be consistent with those in effect on campus as listed in the current catalog. At the present time, a substantial block of undergraduate coursework is required as prerequisites. In addition, 33 graduate credit hours are required for graduation. Pending approval by the University-Wide Graduate Committee and the University Senate, MBA course requirements may increase to 36 credits. In any event, IUP is committed to delivery of ten 3-credit courses on the PES campus. It is expected that three to six additional graduate credits will be transferred by each student based on satisfactory completion of acceptable graduate coursework at PES or elsewhere.

Facilities and Location

PES agrees to provide appropriate facilities including classroom accommodations with electronic teaching stations. In addition, PES will provide suitable computing facilities and connections and library holdings consistent with the modern study of management education. PES will provide lodging to visiting IUP faculty.

Promotion and Recruitment

PES accepts responsibility for onsite promotion and recruitment. PES agrees that all promotional materials will be consistent with degree requirements as spelled out in IUP's catalog and with the provisions in this agreement related to coursework timing and delivery. PES agrees that IUP's graduate business coordinator, working in conjunction with IUP's Publications Office, will have final approval for all printed and electronic promotional materials. PES will recruit a minimum of 40 graduate students in order to ensure financial viability of the program. Each group of students will complete all prescribed coursework together over a five-trimester cycle.

Tuition Charges

PES agrees to pay IUP \$198,000 in lieu of all tuition and fees for complete program delivery of 30 graduate credit hours of coursework on the PES campus as outlined above. In addition, PES agrees to pay \$4,950 per student for any students admitted and enrolled beyond 40 for a given cohort. The funds noted above will be escrowed at least 60 days in advance

in an FDIC insured American bank account. In each of the five trimesters in which IUP is offering coursework, twenty percent of the funds will be released to IUP at least 45 days in advance of the commencement of onsite delivery of six graduate credits. (PES will be offering pre-requisites in the first of the six trimesters). Interest on the escrowed funds shall be payable to PES at the end of the completed cycle of course delivery to each cohort of students. IUP will allow students from each cohort at PES to take coursework onsite in Indiana, PA. The PES students will be allowed a maximum of one semester at six credits without having to pay any additional tuition or fees. If any desire additional credits, they will be charged the instate rate (which is lower than out-of-state) plus on campus fees.

Provisions Related to Graduate Student Exchanges

Exchange students entering from PES will be restricted to coursework in the Eberly College of Business and Information Technology. Exchanges will be financed on the basis of reciprocity, with each of the parties to the agreement responsible for the expenses incurred as outlined below. Financial items included in the agreement are illustrative of the reciprocity of this agreement. Fluctuations in the rate of exchange will not change the reciprocal obligations of either party to this agreement.

Reciprocity

IUP and PES agree to base their exchanges on the principle of reciprocity. The contributions of each of the parties may be periodically reviewed by IUP and PES on the basis of both feasibility and past experience. Changes based on the findings of this review must be agreed upon by both parties in writing and may be appended to the original agreement.

Exchanges will take place on a one-for-one basis (one semester for one semester). The length of student exchanges may be one semester (fall or spring) or two (2) semesters (fall and spring). Should students wish to remain at either institution for the duration of their studies, and not just for the terms of their original exchange, they may do so. It will be at the individual student's expense and will **not** be part of the one-for-one arrangement. For example, a PES student wishing to remain at IUP for any sessions beyond the initial exchange period will do so at his/her own expense for all in-state tuition, fees, and living expenses.

Likewise, an IUP student wishing to remain at PES for longer than two semesters will be responsible for any and all expenses, charges and fees.

The maximum "banked" semesters owed to either participating university is three (3) semesters. For example, if IUP sends three students (six semesters) to PES, and PES sends six students (12 semesters) to IUP, there is a six-semester bank owed to IUP. In this case, no further students will be accepted from PES until IUP sends at least two students (four semesters) to PES, resulting in a two-semester bank owed to IUP. However, it would be below the three-semester limit and one additional student from PES could attend IUP.

An end of the year report of the student exchange activity will be provided by IUP to PES. This report will be completed after the end of the spring term each year and sent to PES for verification on or before June 1. This report will serve as the basis for arranging exchanges during the following academic year.

Both PES and IUP exchange students will have an appointed advisor at the exchange institution to assist with problems that may arise during the exchange.

Tuition and Fees

PES students will be responsible to pay the following fees and expenses:

- a) Expenses related to excursions (elective) and personal expenses;
- b) Exchange students attending IUP will have appropriate medical coverage, including health insurance and life insurance. Proof of insurance will be required of each student from PES attending IUP;
- c) Airfare and transportation costs to and from the airport.

IUP exchange students will be responsible to pay the following fees and expenses:

- a) Exchange fee as set by IUP;
- b) Expenses related to excursions (elective) and personal expenses;
- c) Exchange students attending PES will have appropriate medical coverage, including health insurance and life insurance. Proof of insurance will be required of each student from IUP attending PES;
- d) Airfare and transportation costs to and from the airport.

Admissions

PES exchange students will be accepted at IUP provided the exchange students meet existing admissions requirements, especially at the graduate level. Further, PES exchange students will be accepted by IUP at the level of their qualifications. PES students will take IUP courses and appropriate exams, which will be evaluated for the degree of quality. PES students satisfactorily completing IUP coursework will be accepted by PES at the level of the student's qualifications. IUP exchange students will take courses offered by PES with appropriate examinations to determine the level of their qualifications.

Consultation

Parties of this agreement may consult about issues arising under this agreement, and understanding reached through these consultations may be appended to this agreement as a memorandum of understanding.

Duration of Agreement

This agreement is valid for a period of three (3) years from the date of signing and may be renewed in writing at the end of each three (3) year period. At any time during the duration of this agreement, either party may terminate this agreement with a 90-day written notification sent by certified mail. In such case, the programs in progress at the time of termination will continue until the end of the academic program of any given cohort. Additional PES students are welcome to attend IUP if they pay full in-state tuition and fees. These PES exchange students will not be counted in the one-for-one arrangement, but will still be considered participants of this exchange agreement.

Statement of Commitment

Each IUP and PES exchange student will complete and sign a Statement of Commitment. An example of the Statement of Commitment is included as **Attachment A** to this agreement.

Exchange of Faculty and Administrators

Upon a mutually acceptable proposal and on the basis of balanced reciprocity, this agreement provides for the exchange of faculty and administrative personnel between IUP and PES.

A) Faculty Exchange

- 1. The nature of the exchange can be for research and/or teaching.
- 2. Exchange professors from PES and IUP shall be provided an appropriate office while working at the host institutions.
- 3. Teaching course loads and working hours and conditions shall be in accordance with established rules and practices of the host institution, although course loads and working hours may be modified downward at the discretion of the host institution.
- 4. Exchange is to be limited to no longer than one semester.
- 5. While each exchange professor is responsible for his/her own transportation, hospital, medical expenses and all personal expenses, lodging and boarding will be paid by that particular college faculty or office within the host institution that initiated and is party to the exchange.

B) Exchange of Administrators

- 1. Purpose of exchange of administrative personnel is to learn from each other's administrative systems and/or for broadening the scope of the agreement between IUP and PES.

2. The exchange visit will normally be limited to a period of approximately two weeks.
3. While each individual participant in an exchange is responsible for his/her own transportation, hospital, medical expenses and personal expenses, lodging and boarding will be paid by that particular college, faculty or office within the host institution that initiated and is party to the exchange.
4. Nothing in the above-listed articles shall be construed to imply a prior financial obligation by either party. Any financial commitment by either party to this agreement must result from, in each case, a specific written accord detailing such commitments.

The host institution will approve, in writing, three months prior to the exchange, the responsibilities of the exchange participant, the period of the exchange, and any other conditions governing the term of the exchange.

Financial arrangements will be as follows:

- a) The home university or the participant will cover the cost of travel to and from the host university.
- b) The home university will pay the participant his/her usual salary during the period of the exchange.

APPROVALS

IUP DIRECTOR OF INTERNATIONAL AFFAIRS	DATE
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IUP PROGRAM COORDINATOR	DATE
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IUP PRESIDENT	DATE
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PES PROGRAM COORDINATOR	DATE
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PES PRESIDENT	DATE
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ATTACHMENT A
STATEMENT OF COMMITMENT

I, _____, accept the conditions of the IUP/PES exchange agreement for the academic year _____, as well as financial responsibilities as outlined in the exchange agreement. I understand that, while every precaution will be taken by IUP and PES, neither institution (nor agents thereof) can be held legally liable for any mishaps which may occur. In particular, I recognize that there are risks associated with air, rail, and automobile travel (whether public or private).

I understand that I must have appropriate health, life, and property insurance, and if such insurance policies lapse, I recognize that no liability rests with either institution, its agents, or servants.

STUDENT SIGNATURE

DATE

I recognize that in Pennsylvania, an individual is considered a minor until the age of 18. Since both India and Pennsylvania laws apply to this agreement, this document is signed by myself (parent or legal guardian) and student, and is binding upon both of us.

PARENT OR LEGAL GUARDIAN SIGNATURE

DATE

In Witness Hereof:

INSTITUTIONAL REPRESENTATIVE SIGNATURE

DATE

FOR ACTION:

Cross Listing Course

TABLED

**LIBR 600 and
MUSC 600 Bibliography of Music**

3c-01-3 s.h.

Proposal to cross list MUSC 600 "Bibliography of Music" as a Library Course.

The Music Department and the Libraries at IUP propose cross listing MUSC 600 "Bibliography of Music" with a library graduate course number (LIBR 600). The reason is to increase flexibility in the teaching of this course, which is required

for all music graduate students. It is an interdisciplinary course that combines elements from music and librarianship. Cross listing would make it possible for this course to be taught by either a music or a library faculty member, depending on load and availability for any given semester. The course description and content would remain the same as in the current catalog.

This proposal has been approved by the Music Department Graduate Curriculum Committee, the Libraries Curriculum Committee, the two department Chairs, the Dean of the College of Fine Arts, and the Dean of Libraries.

FOR ACTION:

PASSED

Department of Nursing and Allied Health Professions (NAHP)

M.S. in Nursing

Start Term: Fall 2003

The NAHP department proposes to continue the off campus offerings at IUP's Monroeville site of the Graduate Nursing Program. The approved initial offering of the nursing administration track began in the fall of 2002. Twenty-nine full-time students are enrolled in that cohort with 100% retention. It is proposed, therefore, that we continue to use the Monroeville site for the Masters in Nursing. The next cohort will begin in Fall, 2003. These students will graduate in December 2004. No changes to the graduate program are proposed. The Masters in Nursing will continue to be offered on main campus also.

Rationale: The response for the off-campus offering from the nursing community from central and southwestern Pennsylvania for this program has continued to be strong. The School of Continuing Education has received over 120 inquiries regarding graduate nursing education at the Monroeville site. Several completed applications have already been submitted in anticipation that there might be additional offerings. Ten students who applied for the initial cohort, but for a variety of reasons could not start in the fall, are waiting to hear about new offerings. The main campus program enrollment was not compromised with the program at Monroeville. In fact, enrollment at the main campus went up this academic year. We attribute this partially to the recruitment efforts that were made for the cohort at Monroeville. There is still no other graduate nursing program offered in the Monroeville area. This method of delivery is competitive and responsive to the needs of professional nurses in the community.

It is proposed that nursing administration track courses will be offered on Fridays (5:30 p.m.-8:00 p.m.) and Saturdays (9:00 a.m.-11:30 a.m.; 12:30 p.m.-3:00 p.m.). The following course schedule is proposed:

Fall 2003

NURS 614	Health Care Organizations and Policy	3cr
NURS 619	Leadership Strategies for Nursing	3cr
NURS 620	Theoretical Foundations of Nursing	3cr

Spring 2004

NURS 622	The Practice of Nursing Research I	3cr
NURS 729	Nursing Administration	3cr
*Controlled Elective		3cr

Summer Session

NURS 610	Health Promotion and Social Issues	3cr
NURS 730	Financial Management in Health Care	3cr
*Controlled Elective		3cr

Fall 2004

NURS 731	Nursing Administration Practicum	6cr
NURS 623	The Practice of Nursing Research II	3cr

*Students will choose from a list of controlled electives

FOR ACTION:**PASSED****Level III Minor Program Revision****Summary of Proposed Changes to Master of Arts in Teaching English Program**

The MA/TE Coordinator and faculty propose a minor program revision in response to: 1] NCATE recommendations, 2] suggestions of MA/TE alumni, and 3] curricular changes in the College of Education and Educational Technology (COE/ET).

With the approval of this proposed minor program revision, students will be able to select one of four appropriate courses to meet their educational psychology certification requirement. As one of the electives in the Teaching, Learning, and Schools Category, ENGL 690: Writing as a Way of Learning replaces ED 644: Recent Trends in Language Arts, which is no longer offered by the COE/ET. The creation of a dual level course in assessment (EDSP 477/577: Assessment of Student Learning) has allowed us to offer students a more appropriate course than EP 618: Interpretation of Tests, which is no longer offered by the COE/ET. In response to changing demographics of school populations and forthcoming changes in PA certification requirements, ENGL 526: ESL Methods and Materials replaces ENGL 694: Observation in Teaching English. Students seeking initial certification in the program have appropriate opportunities for immersion in classrooms in their requisite field experiences.

a. Side-by-side Comparison of Current vs. Proposed Program:**Current Program***M.A. Teaching English Course Requirements*

A. Core Courses:	18 s.h.
ENGL 630 Research on the Teaching of Literacy and Literature	3 s.h.
ENGL 676 Critical Approaches to Literature	3 s.h.
ENGL 692 American English Grammar	3 s.h.
ENGL 693 Teaching English in the Secondary School	3 s.h.
ENGL 730 Teaching Writing	3 s.h.

And one additional course from the following, approved by the Director of Graduate Studies in Composition and TESOL:

ENGL 762 Topics in American Literature Since 1870	3 s.h.
ENGL 763 Topics in British Literature Before 1660	3 s.h.
ENGL 772 Topics in Women's Literature	3 s.h.
ENGL 773 Topics in American or British Minority Literature*	3 s.h.

* Students seeking initial certification should take ENGL 773 to assist them in preparing for the Pennsylvania Department of Education Certification Examination.

B. Electives in Teaching, Learning and Schools **6 s.h.**
Two courses from among the following:

Proposed Program*M.A. Teaching English Courses Requirements*

A. Core Courses:	15 s.h.
ENGL 630 Research in Teaching Literature and Literacy	
ENGL 676 Critical Approaches to Literature	
ENGL 692 American English Grammar	
ENGL 693 Teaching English in Secondary School	
ENGL 730 Teaching Writing	

And one additional course from the following, approved by the Director of Graduate Studies in Composition & TESOL or designate: **3 s.h.**

ENGL 762 Topics in American Literature since 1870
ENGL 763 Topics in British Literature before 1660: Shakespeare
ENGL 772 Topics in Women's Literature
*ENGL 773 Topics in American or British Minority Literature

* Recommended for students seeking initial certification.

B. Electives in Teaching, Learning and Schools: **6 s.h.**
ENGL 690 Writing as a Way of Learning

ELED 644 Recent Trends in Language Arts 3 s.h.
 EDSP 604 Advanced Educational Psychology 3 s.h.
 EDSP 618 Interpretation of Educational and
 Psychological Tests 3 s.h.
 EDEX 524 Language Disabilities and the
 Language Processes 3 s.h.

EDEX 650 Exceptional Children and Youth 3 s.h.
 FDED 611 Historical Foundations of Education 3 s.h.
 FDED 612 Philosophical Foundations of
 Education 3 s.h.
 FDED 613 Social Foundations of Education 3 s.h.

Note: Students seeking initial certification as a secondary English teacher must take EDEX 650, EDSP 604, EDSP 618, and FDED 611, FDED 612, OR FDED 613 to satisfy Pennsylvania Department of Education certification standards. Since this list constitutes 12 semester hours, no professional electives will remain for these students.

C. Professional Electives: 6 s.h.
 Six semester hours to be chosen from graduate courses in the English Department or the College of Education and Educational Technology approved by the director of Graduate Studies in Composition and TESOL after discussion with the student's advisor.
Note: Students who have not had an undergraduate or graduate course in Adolescent Literature are advised to take ENGL 518, Adolescent Literature.

D. Professional Practice: 6 s.h.
 EN 694 Observation in Teaching English 3 s.h.
 EN 698 Internship 3 s.h.
Note: Students seeking initial certification as secondary English teachers must also student teach as required by the Pennsylvania Department of Education before the director of Graduate Studies in Composition and TESOL will recommend approval for certification to the certifying officer at IUP, the dean of the College of Education and Educational Technology.

Total Credit Hours 36 s.h.
Total Credit Hours with Initial Certification 42 s.h.

**EDSP 604 Advanced Educational Psychology
 or EDSP 675 Learning and Instruction
 or EDSP 677 Advanced Psychology of Adolescent Education
 or EDSP 679 Advanced Studies in Behavior Problems
 EDSP 577 Assessment of Student Learning
 EDEX 650 Exceptional Children and Youth**

Note: Students seeking initial certification as secondary teachers must take EDEX 650; EDSP 577; and EDSP 573, EDSP 578, OR EDSP 604, to satisfy PA Dept. of Education certification req. One of the above will count as a Professional Elective.

C. Professional Electives: 6 s.h.
 Six semester hours to be chosen from graduate courses in the English Dept. or the College of Education -- approved by the **Director of Graduate Studies in Composition & TESOL** or designate.

Note: Students who have not had an undergraduate or graduate course in Adolescent Literature must take ENGL 518 Adolescent Literature to meet a certification requirement.

D. Professional Practice: 6 s.h.
ENGL 526 ESL Methods and Materials
 ENGL 698 Internship
Note: Students seeking initial certification as secondary teachers must also student teach, as required by the PA Department of Education.
 (Additional 6 s.h.)

Total Credit Hours -- MA/TE 36 s.h.
Total Credit Hours with Initial Certification 42 s.h.

FOR ACTION:

New Dual Level Course

ENGL 526: ESL Methods and Materials

3c-01-3 s.h.

Catalog Description:

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.

Rationale:

PASSED

This course provides an introduction to the field of Teaching English to Speakers of Other Languages (TESOL) with an emphasis on teaching English as a Second Language (ESL) to K-12 students. Based on an understanding of professional standards set by International TESOL.

FOR ACTION:

PASSED

Major Course Revision

COUN 755 Field Experience

3 s.h.

Current Catalog Description:

Provides a supervised field placement for students in the counselor education programs. The plan and scope of the field experience will be determined by the student and supervising faculty on an individual basis.

Prerequisite: Certification, core courses, and specialty required courses.

Revised Catalog Description:

COUN 755 Field Experience

3 s.h.

Provides a supervised field placement for students in the Counseling programs. The plan and scope of the field experience will be determined by the student and supervising faculty on an individual basis. May be repeated for a maximum of 6 credits.

Prerequisite: Core and population-specific courses.

Rationale for change:

This course, the terminal learning experience in both the M.A. in Community Counseling and the M.Ed. in School Counseling programs, can only be taken when all other required degree courses have been completed. Typically this occurs in a student's last semester. The course is a field-based experience where students engage in direct service delivery to mental health clients under the conjoint supervision of a site supervisor and an IUP faculty supervisor. The revision will allow those students desiring a 600-hour field experience a mechanism to enroll for and document additional hours of training. The recently approved PA counselor licensing bill require a 600-hour field experience. Those students wishing to become licensed counselors would thus be able to meet this state requirement.

APPENDIX E:
Library and Educational Services Committee
(Chair Johnson)

FOR INFORMATION:

- The laser printing cost recovery system report was reviewed. The cost of laser printing was increased from \$.03/page to \$.04/page beginning July 1, 2002. This cost increase was needed to eliminate an operating budget deficit. For the period of April 1, 2002 through March 31, 2003, a surplus of \$983.20 was realized from the \$40,698.44 in revenues. The current laser printing costs of \$.04/page provides sufficient support for the current cost of operations for the system.
- Decisions on the projects and classrooms that will benefit from the Technology Fee have been made. College Deans have this information.
- By the beginning of the fall semester 2003, IUP students will no longer have a 4-character e-mail, as they currently do. All IUP students, faculty, and staff will receive an e-mail alias that replaces their current e-mail address. An example of the new format is: r.m.johnson@iup.edu. Another user with the same initials and last name would have this e-mail alias: r.m.johnson1@iup.edu. Names up to 45 characters will be permitted. Students, faculty, and staff should watch for announcements about this change prior to the start of the fall semester.
- Based on budget cuts, the library is decreasing expenditures in book, media, and print serials (journals and magazines). Department library representatives were asked to review serial (journal and magazine) titles and make recommendations for cancellations prior to the close of the academic year.