

LSC Use Only No: LSC Action-Date: UWUCC USE Only No. *02-125a* UWUCC Action-Date: *App* **APR 25 2003** Senate Action Date: *App* **APR 29 2003**

Curriculum Proposal Cover Sheet - University-Wide Undergraduate Curriculum Committee

Contact Person Dr. Andrew Browe	Email Address acbrowe@iup.edu
Proposing Department/Unit Natural Science/Pre-Dental	Phone 724-357-2191

Check all appropriate lines and complete information as requested. Use a separate cover sheet for each course proposal and for each program proposal.

- 1. Course Proposals (check all that apply)**
- New Course Course Prefix Change Course Deletion
 Course Revision Course Number and/or Title Change Catalog Description Change

Current Course prefix, number and full title *Proposed* course prefix, number and full title, if changing

- 2. Additional Course Designations: check if appropriate**
- This course is also proposed as a Liberal Studies Course. Other: (e.g., Women's Studies, Pan-African)
 This course is also proposed as an Honors College Course.

- 3. Program Proposals**
- New Degree Program Program Title Change Program Revision
 New Minor Program New Track Other
 Catalog Description Change

Current program name *Proposed* program name, if changing

4. Approvals		Date
Department Curriculum Committee Chair(s)	<i>Andrew C. Browe</i>	<i>04/21/03</i>
Department Chair(s)	<i>Andrew C. Browe</i>	<i>04/21/03</i>
College Curriculum Committee Chair	<i>[Signature]</i>	<i>04/21/03</i>
College Dean	<i>[Signature]</i>	
Director of Liberal Studies *		
Director of Honors College *		
Provost *		
Additional signatures as appropriate: (include title)		
UWUCC Co-Chairs	<i>Gail Schuist</i>	<i>4/25/03</i>

* where applicable

APR 22 2003

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**PROPOSED CHANGES IN BACHELOR OF SCIENCE IN NATURAL SCIENCE/PRE-DENTISTRY
TRACK CURRICULUM COMPARING OLD AND NEW DEGREE REQUIREMENTS**

Current Program

**Bachelor of Science –
Natural Science/Pre-Dentistry**

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

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
Synthesis: one course

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

Major 31sh

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

Other Requirements: 4-8sh
 Foreign Language Intermediate Level 4-6sh
 Free Electives(1): 29-34sh

Total Degree Requirements: 131sh

Proposed Program

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

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: 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: 0-6sh
 Foreign Language Intermediate Level 0-6sh
 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 **30sh**
Total Degree Requirements: 120sh

(*) 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.