

LSC Use Only No:	LSC Action-Date:	UWUCC USE Only No.	UWUCC Action-Date:	Senate Action Date:
		02-59	App 2/18/03	App 4/1/03

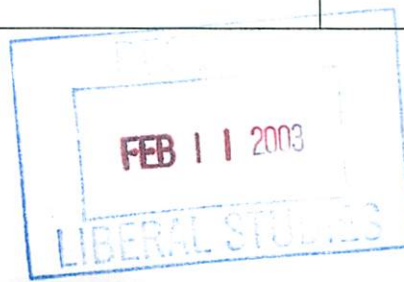
Curriculum Proposal Cover Sheet - University-Wide Undergraduate Curriculum Committee

Contact Person Darlene S. Richardson	Email Address drchrdsn@iup.edu
Proposing Department/Unit Geoscience Department	Phone 7-2379

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		
<u>Current Course prefix, number and full title</u>		<u>Proposed course prefix, number and full title, if changing</u>
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		
<u>BS Geology/Environmental Track</u>		
<u>Current program name</u>		<u>Proposed program name, if changing</u>
4. Approvals		Date
Department Curriculum Committee Chair(s)	Darlene Richardson	1/24/03
Department Chair(s)	Darlene Richardson	1/24/03
College Curriculum Committee Chair	<i>[Signature]</i>	02/11/03
College Dean	<i>[Signature]</i>	02/11/03
Director of Liberal Studies *		
Director of Honors College *		
Provost *		
Additional signatures as appropriate: (include title)		
UWUCC Co-Chairs	Gail S. Schuist	2/18/03

* where applicable



Bachelor of Science: Geology/Environmental Track

The proposed changes (124 sh to 120 sh) are limited to changes in Liberal Studies electives and free electives only.

Current Program:

Liberal Studies:	56
As outlined in the Liberal Studies section with the following specifications:	
Mathematics: MATH 121 or 123	
Natural Sciences: CHEM 111-112 or CHEM 113-114	
Liberal Studies Electives:	
MATH 122 or 124, PHYS 111,	
no courses with GEOS prefix	
Major. Required courses:	29
Environmental Track	25-26
Other requirements: intermediate level foreign language	0-6
Free Electives:	7-14
Total credits:	124

Proposed Program:

Liberal Studies	53
As outlined in the Liberal Studies section with the following specifications:	
Mathematics: MATH 121 or 123	
Natural Sciences: CHEM 111-112 or CHEM 113-114	
Liberal Studies Electives:	
MATH 122 or 124, PHYS 111	
Major: Required courses:	29
Environmental Track	25-26
Other requirements: intermediate level foreign language	0-6
Free electives:	6-13
Total credits:	120

Note: The current program has a footnote (current footnote 5) that should be eliminated for the new program. This footnote states:

(2) Intermediate-level Foreign Language may be applied to Liberal Studies electives.

Current

Bachelor of Science - Geology/Environmental Track

Liberal Studies: As outlined in Liberal Studies section **56**

With the following specifications:

Mathematics: MATH 121 or 123

Natural Science: CHEM 111-112 or 113-114

Liberal Studies Electives: MATH 122 or 124, PHYS 111, no courses with GEOS prefix

Major: **29**

Geoscience Core

GEOS 121 Physical Geology	3 sh
GEOS 122 Physical Geology Lab	1 sh
GEOS 131 Historical Geology	3 sh
GEOS 132 Historical Geology Lab	1 sh
GEOS 220 Mineralogy	3 sh
GEOS 320 Igneous and Metamorphic Petrology	3 sh
GEOS 325 Structural Geology	3 sh
GEOS 326 Field Geology	2 sh
GEOS 380 Research Techniques in Geoscience	2 sh
GEOS 411 Sedimentary Petrology	3 sh
GEOS 412 Stratigraphy or GS 327 Geomorphology	3 sh
GEOS 480 Geoscience Seminar	1 sh

Environmental Track: **25 – 26**

BIOL 111 Principles of Biology I	4 sh
GEOS 310 Environmental Geology	3 sh
GEOS 331 Hydrogeology	3 sh
GEOS 332 Geochemistry	3 sh
PHYS 121 Physics I Laboratory	1 sh

Controlled Electives: (1) (2) **8 - 9 sh**

Select three courses from the following: (3)

Biology Electives: BIOL 112, 250, 321, 322,3 62,

Chemistry Electives: CHEM 231, 232, 322,3 23, 341,

Allied Fields: GEOS courses 300 or above (4),

COSC 250, GEOG 316, 415 ,MATH 216,

PHYS 112-122, SAFE 101

Other Requirements: **0 – 6**

Foreign Language Intermediate Level (5) (6) **0 – 6 sh**

Free Electives **7 – 14**

Total Degree Requirements **124**

- (1) Some courses have prerequisites that may be taken as free electives.
- (2) Students who plan to pursue graduate-level studies are encouraged to take PHYS 112-122.
- (3) Select one each from the Biology and Chemistry electives lists, and a third from any of the three elective lists.
- (4) Up to 3 sh of a summer field camp, internship or independent study, all of which must be approved by the department, may be applied to controlled electives.
- (5) Intermediate-level foreign language may be included in Liberal Studies electives (3sh).
- (6) 6 sh of computer language may substitute for the foreign language requirement: COSC 110 and 310 (recommended), other higher-level COSC courses with department permission in consultation with the Computer Science Department.

Proposed

Bachelor of Science - Geology/Environmental Track

Liberal Studies: As outlined in Liberal Studies section **53**

With the following specifications:

Mathematics: MATH 121 or 123

Natural Science: CHEM 111-112 or 113-114

Liberal Studies Electives: MATH 122 or 124, PHYS 111

Major: **29**

Geoscience Core

GEOS 121 Physical Geology	3 sh
GEOS 122 Physical Geology Lab	1 sh
GEOS 131 Historical Geology	3 sh
GEOS 132 Historical Geology Lab	1 sh
GEOS 220 Mineralogy	3 sh
GEOS 320 Igneous and Metamorphic Petrology	3 sh
GEOS 325 Structural Geology	3 sh
GEOS 326 Field Geology	2 sh
GEOS 380 Research Techniques in Geoscience	2 sh
GEOS 411 Sedimentary Petrology	3 sh
GEOS 412 Stratigraphy or GS 327 Geomorphology	3 sh
GEOS 480 Geoscience Seminar	1 sh

Environmental Track: **25 – 26**

BIOL 111 Principles of Biology I	4 sh
GEOS 310 Environmental Geology	3 sh
GEOS 331 Hydrogeology	3 sh
GEOS 332 Geochemistry	3 sh
PHYS 121 Physics I Laboratory	1 sh

Controlled Electives: (1) (2) **8 - 9 sh**

Select three courses from the following: (3)

Biology Electives: BIOL 112, 250, 321, 322,3 62,

Chemistry Electives: CHEM 231, 232, 322,3 23, 341,

Allied Fields: GEOS courses 300 or above (4),

COSC 250, GEOG 316, 415 ,MATH 216,

PHYS 112-122, SAFE 101

Other Requirements: **0 – 6**

Foreign Language Intermediate Level (5) **0 – 6 sh**

Free Electives **6 – 13**

Total Degree Requirements **120**

- (1) Some courses have prerequisites that may be taken as free electives.
- (2) Students who plan to pursue graduate-level studies are encouraged to take PHYS 112-122.
- (3) Select one each from the Biology and Chemistry electives lists, and a third from any of the three elective lists.
- (4) Up to 3 sh of a summer field camp, internship or independent study, all of which must be approved by the department, may be applied to controlled electives.
- (5) 6 sh of computer language may substitute for the foreign language requirement: COSC 110 and 310 (recommended), other higher-level COSC courses with department permission in consultation with the Computer Science Department.