

GENERAL POLICY REPORT #60

March 11, 2015

The items listed below (approved by Faculty Senate) will be considered to have the necessary faculty approval unless a petition requesting further consideration of these items is signed by five faculty members and submitted to the chair of the Faculty Senate by March 25, 2015. If none are received, the report will be submitted to the president for approval and transmittal to the regents, if regents' action is required. If a petition is received, the report will be referred to the Faculty Senate. On referred items, Faculty Senate may: (1) affirm the action and report it to a meeting of the university faculty, (2) amend the action and report it to a meeting of the university faculty, or (3) rescind the action.

The following catalog changes will be presented in the policy report that begins immediately below:

- **FS-15-041** (UCC-15-067): Science: Pre-Health Professions Studies
- **FS-15-048** (UCC-15-076a): Biological Engineering (B.S.) remove option
- **FS-15-050** (UCC-15-072): Change to Regulation J-9

***FSH 1540 C-3.** Actions of the University Curriculum Committee and of the Faculty Senate that are circulated in general curriculum-policy reports (C-1 and C-2) are considered to have the necessary faculty approvals unless a petition requesting further consideration of specific items is signed by five faculty members and submitted to the chair of the Faculty Senate within 14 calendar days after the date of circulation. If no petition is received within 14 days, the entire report is submitted to the president for approval and transmittal to the regents, if regents' action is required.

DATE: 10/16/14

TO: Dr. Katherine G. Aiken
Interim Provost and Executive Vice President

FROM: Liz Bryant, Pre-Health Advisor; Andrew Brewick, Director, Academic Advising

SUBJECT: Minor Change Notification Request

Attached to this letter please find the NWCCU Change Application Form(s) for the below listed program(s)/change(s). The University of Idaho is writing to notify both the Northwest Commission on Colleges and Universities (NWCCU) per the Substantive Change Policy (revised 2013) and the Idaho State Board of Education per Board Policy Section III.G.3.c.ii of the change(s) which we believe is minor.

- Pre-Health Professions Studies, creation of an academic minor

The following information is being provided to ensure both agencies have the necessary information to ensure the minor, non-substantive change(s) is in align with our institutional responsibilities and accreditation.

Mission and Core Themes:

Development of a Pre-Health Professions Minor will enable the University of Idaho to better support the academic and professional development of our pre-health students through more accurate and efficient identification and outreach. Furthermore, it will help us to focus our teaching and learning in a pre-professional context for our pre-health professions students.

Authorization:

The change(s) was approved through the College of Science Curriculum Committee, University Curriculum Committee, Faculty Senate, and by the University Faculty during the 2014-15 academic year. The University of Idaho is providing notification to NWCCU and OSBE as required by the policy of each agency prior to making the change(s). The change(s) will be made effective beginning Summer 2015.

Educational Offerings:

The proposed Pre-Health Professions minor will be academically housed in the College of Science. Most health professions schools do not require a specific degree for admission. Instead, students are encouraged to select a major in an area that reflects their interests and aptitude, and then simultaneously complete prerequisite coursework for admission to their school(s) of choice. The proposed Pre-Health Professions minor includes curriculum that most health professions schools will expect applicants to have completed prior to admission, and involves no change to current course offerings at the University of Idaho.

Planning:

The current system is not sufficient for accurately and efficiently identifying the population of pre-health students enrolled at the University of Idaho. Development of a Pre-Health Professions academic minor will enable students to formally self-identify as a pre-health professions student, regardless of their chosen major. This process will allow the pre-health advisor to perform a higher level of outreach to these students, and will provide them with a

more structured pathway to satisfy their professional school prerequisites. This solution was developed, in consultation with the Registrar's office and pertinent academic departments, following a review of the current processes used and challenges faced at both the University of Idaho and other institutions.

Development of this program would entail removal of Pre-Health Studies language (Pre-Med, Pre-Dental, Pre-Physical Therapy) from within Biological Sciences in the University Catalog, and placement of the proposed academic minor within Colleges and Other Units.

Budget:

No projected change.

Student Services:

Development of the proposed Pre-Health Professions minor has negligible potential for negative impact, and high potential for positive impact. Students will be able to self-identify through the declaration of the proposed minor. The proposed minor incorporates multiple options, allowing students to customize their course of study to meet the needs of their specific programs of choice. The declaration of the proposed Pre-Health Minor will enable the Pre-Health Advisor and other Academic Advisors to accurately identify students' pre-health intentions, regardless of academic major.

Physical Facilities:

None.

Library and Information Resources:

No additional resources required.

Faculty:

No additional faculty or staff required for the development of the Pre-Health Professions academic minor.

Attachments: NWCCU Change Form (#)
Appendix A: Pre-Health Professions Minor Curriculum

University of Idaho: Pre-Health Professions Minor

Most health professions schools do not require a specific degree for admission. Instead, students are encouraged to select a major in an area that reflects their interests and aptitude, and then simultaneously complete prerequisite coursework for admission to their school(s) of choice. The Pre-Health Professions minor includes coursework that most health professions schools will expect applicants to have completed prior to admission. *Requirements do vary between programs; therefore, students should be certain to check specific requirements at their schools of most interest.*

Required Courses:

Chem 101	Introduction to Chemistry	4 cr
Or		
Chem 111*	Principles of Chemistry I	4 cr
Psych 101	Intro to Psychology	3 cr
Stat 251	Statistical Methods	3 cr

Choose at least 10 credits from the following:

Biol 115	Cells and the Evolution of Life	4 cr
Biol 116	Organisms and Environments	4 cr
Biol 120	Human Anatomy	4 cr
Biol 121	Human Physiology	4 cr
Chem 112	Principles of Chemistry II	4 cr
Chem 277	Organic Chemistry I	3 cr
Chem 278	Organic Chemistry I Lab	1 cr
Engl 317	Technical Writing	3 cr
Physics 111	General Physics I	3 cr
Physics 111L	General Physics I Lab	1 cr
Or		
Physics 211	Engineering Physics I	3 cr
Physics 211L	Engineering Physics I Lab	1 cr

**Chem 111 strongly encouraged as most health professions schools require general chemistry for science majors*

Courses to total 20 credits for this minor

DATE: February 6, 2015

TO: Dr. Katherine G. Aiken
Interim Provost and Executive Vice President

FROM: Jon Van Gerpen
Acting Head, Biological and Agricultural Engineering

SUBJECT: Minor Change Notification Request

The University of Idaho is writing to notify the Idaho State Board of Education per Board Policy Section III.G.3.c.ii of the change(s) which we believe is minor. The change(s) will be made effective beginning summer 2015.

- **Biological Engineering (B.S.), Eliminate degree “options.”**

The following information is being provided to to ensure the minor, non-substantive change(s) is in align with our institutional responsibilities and accreditation.

Mission and Core Themes:

The BAE curriculum has provided B.S. students with 5 different degree options for the past 11 years: Biological Systems Engineering, Bioenergy Engineering, Ecohydrological Engineering, Environmental Engineering, and Agricultural Engineering. Most of the students select 3 of the options; two of the options have very few students. These options represent specialty areas for the students and are defined by approximately 30-32 credits of course-work. There is considerable overlap in the course-work requirements for some of the options. Recent ABET reviewers have criticized the options approach, saying that such a small department cannot adequately support so many option areas. The program agrees. We propose to eliminate the options and replace them with the addition of 16 credits of course-work to the program core (BAE 461, Biol 250/255, Biol 380, Chem 277, Chem 278) plus 18 credits of technical electives (list of courses is attached). This change will make the BAE curriculum more similar to other engineering curricula. Three of the options can be completed under the new curriculum by proper selection of technical electives. The other two curricula will require that the student takes 1 or 2 extra classes. The change will greatly simplify the BAE program curriculum and minimize the challenge for advising students in the different options as well as needing to provide mentoring and support in 5 different areas.

Educational Offerings:

At this time, there are no plans to teach additional courses or to eliminate any courses. If they desire, students will still be able to select courses to acquire the degree of specialization offered by the options. However, students will have flexibility to choose technical elective courses that more closely match their interests. The program will have the ability to identify low-enrollment classes for elimination later. The level of administrative and advising oversight will be much less. The current 5 options require tracking of student progress in such a diverse set of programs that mistakes are frequent.

Planning:

Eliminating the option areas was motivated by a recommendation from our ABET accreditors. Their opinion was that a faculty of 7 could not adequately support 5 different option areas. Eliminating the options will provide students with a solid core curriculum while providing an appropriate level of elective courses to produce a specialization. No other organizations within UI are expected to be affected by this change. Teachout for the options will be made according to university policy in the general catalog "... when an instructional program is to be withdrawn, UI will make every reasonable effort to ensure that students who are within two years of completing graduation requirements, and who are making normal progress toward completion of those requirements, will have the opportunity to complete the program that is to be withdrawn."

Budget:

This change will have no financial impact.

Student Services:

This change provides more flexibility to students while still allowing them to pursue a specialization, if they desire. Advising requirements will be greatly reduced because the curriculum will be much simpler.

Physical Facilities:

No effect on physical facilities.

Library and Information Resources:

No effect on library and information resources.

Faculty:

No effect on faculty.

Proposed New BAE Curriculum

Departmental Core

BAE 142	Engineering for Living Systems (2 cr)
BAE 242	Engineering Analysis and Design (2 cr)
BAE 441	Instrumentation and Measurements (3 cr)
BAE 462	Electric Power and Controls (3 cr)
BAE 478	Engineering Design I (3 cr)
BAE 479	Engineering Design II (3 cr)
BAE 491	Senior Seminar (1 cr)
Biol 115	Cells and the Evolution of Life (4 cr)
Chem 111	Principles of Chemistry (4 cr)
Chem 112	Principles of Chemistry (5 cr)
Engr 105	Engineering Graphics (2 cr)
Engr 210	Engineering Statics (3 cr)
Engr 240	Introduction to Electrical Circuits (3 cr)
Engr 320	Engng Thermodynamics and Heat Transfer (3 cr)
Engr 335	Engineering Fluid Mechanics (3 cr)
Engr 350	Engineering Mechanics of Materials (3 cr)
Engr 360	Engineering Economy (2 cr)
Math 170	Analytic Geometry and Calculus I (4 cr)
Math 175	Analytic Geometry and Calculus II (4 cr)
Math 275	Analytic Geometry and Calculus III (3 cr)
Math 310	Ordinary Differential Equations (3 cr)
Phys 211	Engineering Physics w/lab (4 cr)
Phys 212	Engineering Physics (3 cr)
Stat 301	Probability and Statistics (3 cr)
Comm 101	Fund. Public Speaking (2 cr)
Engl 102	College Writing and Rhetoric (3 cr)
ISEM 101	Integrated Seminar (3 cr)
ISEM 301	Integrated Seminar (1 cr)
Humanities & Social Science (12 cr)	
Total: 94 credits	

Proposed additions to departmental core:

BAE 461	Bioprocess Engineering (3 cr)
Biol 250/255	General Microbiology & lab (5 cr)
Biol 380	Biochemistry (4 cr)
Chem 277	Organic Chemistry I (3 cr)
Chem 278	Organic Chemistry I lab (1 cr)
Total: 16 credits	

Technical Electives: 18 credits

Total curriculum: 128 credits

TO: University Curriculum Committee
FROM: Associate Deans Group
RE: Change to the graduation requirements for Graduate students
DATE: January 30th, 2015

J-9. Academic Minors.

J-9-a. An academic minor is a prescribed course of study consisting of 18 or more credits which supplements an undergraduate major at the University of Idaho. For descriptions of minor curricula, see the programs of the degree-granting units in the individual departmental section. In the following paragraphs of J-9, "minor" denotes "academic minor," which is to be distinguished from "teaching minor"; for information on the latter, see the [Department of Curriculum and Instruction section](#).

J-9-b. A student may pursue one or more minors in addition to a major by filing with the registrar a declaration of intention to do so. Completion of a minor is required only if specified by the degree-granting unit, but any minor completed is recorded on the student's academic record.

J-9-c. Transfer credits may be applied to a minor ~~with the approval of the department offering the minor; however, the last nine credits applied to completion of the minor must be earned in UI courses, through study abroad, or through student exchange programs, and may not include credits earned through correspondence study; at least 9 credits of those completing the minor's requirements must be in UI courses. Similar to the residency requirements for a baccalaureate degree in J-2, no credits awarded for independent study, bypassed courses (see I-2-d), credit by examination (see I-1-a, I-1-c, or I-2-a), College Level Examination Program (CLEP – see I-2-b), or experiential learning (see I-2-b) can be counted among these 9 UI credits. Study abroad and student exchange credits may be counted toward this requirement with prior approval by the student's academic department and dean.~~

J-9-d. A student may complete an undergraduate minor even though he or she has already earned a baccalaureate degree at the University of Idaho. If the sole objective is to complete an undergraduate minor, the student should declare a "Minor-Only" curriculum in the department offering the minor. Students who declare a minor-only curriculum are not eligible for financial aid funds (see the [Student Financial Aid Services section](#)).