

## Report of the Undergraduate Studies Committee 2.23.2017

In the 1.24.17 UGSC meeting, the following items were presented and are forwarded to the University Faculty Council for consideration as information items:

*BS in Applied Mathematics; Change to the CS course sequence:* The Math Department has revised the CS course sequence so students do not get credit for CS 104 + CS 105 + 115, because the content is too similar. Instead students should take a sequence of courses.

Current Sequences:	Revised Sequences:
CS 115 & CS 116 (4 credits total), or	CS 115 & CS 116 (4 credits total), or
CS 104 & CS 115 (4 credits total), or	CS 104 & CS 201 (6 credits total), or
CS 105 & CS 201 (6 credits total)	CS 105 & CS 201 (6 credits total)

This change has been applied to the BS in Applied Math. It does not change the credit hours. Details and justification are linked from the UGSC Minutes.

*Premedical Studies Minor:* BME450 Animal Physiology is an option in this minor. BME has replaced BME 450 with BME453 Quantitative Physiology, changing this minor option.

In the 1.24.17 UGSC meeting, the following items were discussed:

*New Bachelor of Science degrees in Chemistry:* The Chemistry Department presented the final draft of the *BS in Computational Chemistry and Biochemistry* which was voted on at the next meeting of the UGSC. This degree has been significantly revised with input from CS, ITM, and Biology. Two additional computer science courses and 1 biochemistry course have been added to the degree, with possible additional electives from ITM. Discussion noted that 1) CS 110 was not a prerequisite for CS 201 and therefore could not be used interchangeably with CS 105 and 2) that CS 331 is 3 credit hour course (not 2 credit hour). All documents are linked from the UGSC Minutes.

*Proposal to change undergraduate high honors criteria:* The following proposal was made by Greg Pulliam of Humanities: "To be eligible for the high honors designation at graduation, undergraduate students must have completed at least 100 hours at IIT." The existing policy can be found here: <http://bulletin.iit.edu/undergraduate/academic-policiesprocedures/graduation/graduation-with-honors/>. Pulliam will form an ad hoc committee to discuss the honors policy. Anyone interested in discussing possible revisions to the honors policy criteria should contact him.

*Discussion of transfer credit for courses without necessary prerequisites:* Question: What is the policy for transfer of a course if student does not have the IIT prerequisite? UGAA responded that courses requiring IIT prerequisites may be transferred, but they will not get credit for the higher level course until the prerequisite is completed. If the student does not take the prerequisite, the student will not get transfer credit, unless the department the course resides in waives the prerequisite.

In the 2.14.17 UGSC meeting, the following item was approved and is forwarded to the University Faculty Council for approval as a Curriculum Change:

*New Bachelor of Science degree in Chemistry:* The final version of the proposed BS in Computational Chemistry and Biochemistry was presented for a vote and was approved unanimously. Details and justification are linked from the UGSC Minutes.

In addition, finalized versions of the drafts of these previously approved degrees were posted to the UGSC document directory and are linked from the UGSC Minutes:

BS in Bioanalytical Chemistry

BS in Environmental Chemistry

BS in Forensic Chemistry

BS in Medicinal Chemistry

In the 2.14.17 UGSC meeting, the following items were presented and are forwarded to the University Faculty Council for consideration as information items:

*Bioinformatics Minor:* This new minor, created in cooperation with the Computer Science Department, is presented as an informational item. This interdisciplinary minor is constructed in such a way that it may also be completed by Computer Science and Biology majors. Details are linked from the UGSC Minutes.

*Modifications to the Bachelor of Information Technology and Management:*

- a. Expand ITM 100 Introduction to Information Technology as a Profession from 2 credit hours to 3 credit hours and move it to the third semester for students entering the degree as first-year students. This allows inclusion of expanded material and allows key accreditation requirements more in line with ITP outcomes to be moved to this course from our Senior Capstone course, ITMT 430. This modification also reduces required natural science/engineering credit hours from 11 to 10 as is allowed by the current Core Curriculum when 6 hours of mathematics are required. This offsets the additional hour added to the ITM course requirements by changing a two-hour course to a three-hour course, resulting in no change to the hours required to complete the degree. This course will no longer be waived for transfer students. This is presented as an information item. Details and justification are linked from the UGSC Minutes.
- b. ITMM 482 Business Innovation is added as a required course in the IT Entrepreneurship and Management specialization. Specializations are optional so this is not a change to degree requirements. This is presented as an information item. Details and justification are linked from the UGSC Minutes.
- c. ITMO 446 Telecommunications Over Data Networks is added as a required course in the Networking and Communications specialization. Specializations are optional so this is not a change to degree requirements. This is presented as an information item. Details and justification are linked from the UGSC Minutes.
- d. The sample curriculum for Information Technology and Management transfer students displayed in the Undergraduate Bulletin is reformatted to reflect the addition of ITMT 330 as a required course and to present a curriculum for full-time instead of part-time students. This is presented as an information item. Details are linked from the UGSC Minutes.

*Modifications to the Bachelor of Science in Social and Economic Development Policy:*

- a. Add SSCI 389 Urban Planning Analysis and SSCI 390 Methods of Economic Impact Analysis to the research methods options.
- b. Add PS 232 Democracy, Dictatorship and Development to the degree to replace an existing free elective.
- c. Add SSCI 376 Global Migration and SSCI 318 Global Health as either/or options with SSCI 380 International Development, which is infrequently taught.

- d. Add the following statement to Program Requirements in the Undergraduate Bulletin: “Other minors can be substituted with program director approval.” Economics will remain the standard required minor.
- e. Replace SSCI 100 (3 credit hours) with LCHS 100 (2 credit hours). Add the extra credit hour to electives.
- f. The goal of these modifications is to increase flexibility and choice for students. This is presented as an information item.

In the 2.14.17 UGSC meeting, the following items were presented for a vote at the 2.28.17 UGSC meeting; if these items are approved, they will be forwarded to the University Faculty Council for approval as Curriculum Changes:

*Change to the Bachelor of Science in Psychology:*

- a. The CIP code has been changed to reflect a science-orientated degree program.
- b. As a result of the new CIP code, the degree program name has been changed to *Psychological Science*.
- c. The number of math credits is now aligned with the core curriculum requirement set forth by IIT.
- d. The number of psychology major hours has increased by 3 credit hours.
- e. Students have the option of taking either PSYC 100 or LCHS 100 (ITP for undecided Lewis College students.)
- f. The behavioral health specialization has been created to eliminate the overlap between the clinical and behavioral health specializations. This change has been made in consultation with the clinical program.
- g. Psychology will consult with the Math department to ensure its requirements align with the Bulletin descriptions.

Due to the change in program title and CIP, this change would seem to require approval as a new degree although the content of the program is consistent with the existing BS in Psychology. It has been presented as a new degree. Details and justification are linked from the UGSC Minutes.

*Modifications to programs offered by the Biology Department:*

- a. *Modification to the Bachelor of Science in Bioinformatics:* This change removes CS 105 as a requirement of the degree, due to an identified redundancy with CS 115. This reduces the total credit hours in the degree from a range of 129-130 to 127-128 depending on track options. This is a major change. Details and justification are linked from the UGSC Minutes.
- b. *Modification to the Bachelor of Science in Biochemistry:* The replaces the physical chemistry course requirement from CHEM 344 Physical Chemistry II to (CHEM 344 or CHEM 438 Physical Biochemistry) due to a change in prerequisites to CHEM 344. This reduces the total credit hours in the degree from a range of 127-128 to 126-127 depending on the physical chemistry elective selected. This is a major change. Details and justification are linked from the UGSC Minutes.

In the 2.14.17 UGSC meeting, the following committee actions were taken:

*UGSC IIT Core Curriculum Assessment Subcommittee:* Rebecca Steffenson agreed to chair this committee. Phil Troyk will join the existing committee (Greg Pulliam and Xiaofan Li) to represent Armour College.

*UGSC Subcommittee on Curriculum Modification:* Discussion stemming from informational items has raised questions about minor versus major curriculum changes. Phil Troyk and Nick Menhart are forming a subcommittee to evaluate the role of the UGSC in reviewing major versus minor curriculum changes (Appendix B and Appendix P of the faculty handbook). Currently, degree programs that do not change credit hours have been treated as minor changes (informational items).

Full minutes of all UGSC meetings are available at <http://www.iit.edu/~ugsc/>