

**Institute Undergraduate Curriculum Committee
Appeals and Academic Matters (Full Committee)
Tuesday, October 2, 2012**

Present: Hollengreen (ARCH), Pikowsky (REG), Senf (LCC), Smith (ME), Walker (PSYC), Berry (PUBP), Economou (ARCH), Goodisman (BIOL), Mayor (ME), Sankar (AE), Yaszek (LCC), Tyson (Executive Board Liaison)

Visitors: Laros (REG), Howson (REG), Merkousko (REG), Spieler (PSYC), Jacobs (CoE), Zhou (ISyE), Ferri (ME), Hoffmann (PUBP), Potts (VPUE), Wheaton (AP), Ammons (ISyE)

Note: All action items in these minutes require approval by the Academic Senate. In some instances, items may require further approval by the Board of Regents or the University System of Georgia. If the Regents' approval is required, the change is not official until notification is received from the Board to that effect. Academic units should take no action on these items until USG and/or BOR approval is secured. In addition, units should take no action on any of the items below until these minutes have been approved by the Academic Senate or the Executive Board.

Academic Matters

1. A motion was made to approve a request from the School of Applied Physiology for a new course. The motion was seconded and approved.

NEW COURSE: (Approved)

APPH 4400 -Human Neuroanatomy

3-0-3

A graduate version of this course will be also proposed to the GCC as jointly listed APPH 6400.

2. A motion was made to approve a request from the School of Public Policy for a minor modification, a certificate modification, and to acknowledge a prerequisite modification. The motion was seconded and approved.

MINOR MODIFICATION: (Approved)

Minor in Philosophy of Science and Technology

Name change to Minor in Philosophy

Request to change, in the "Approved Program of Study for Undergraduate Minors" form, the prefix of the two required courses from PST to PHIL according to the change of course names which has been approved by the IUCC in the spring of 2011. That is, "PST 3103, 3115" needs to be changed to "**PHIL 3103, 3115.**" Reason: Requirements need to be consistent with classes offered.

The current list of electives needs to be changed based on the same reason. We request to change the list of electives from "PST 1101, INTA 2030, PST 2050, 2068, 3102, 3103, 3105, 3109, 3113, 4110, 4112, 4752, 4174, 4176, 4801-2-3" to "**PHIL 2010**, INTA 2030, **2025**, **PHIL 3050**, 3102, 3105, 3109, 3113, 4110, 4752, 4174, 4176, 4801-2-3." Reason: Change of pre-fixes, and the need to represent the following changes approved by IUCC in the spring of 2011:

PHIL 2010 replaces PST 1101
PHIL 2025 replaces PST 2068
PHIL 3050 replaces PST 2050
PST 4112 has been deactivated without replacement
PHIL 3013 replaces PST 3103 and has been removed from this list of electives because it is a required class

Change the name of the minor from "Minor in Philosophy of Science and Technology" into "Minor in Philosophy." Reason: Consistency with the changed pre-fixes.

Add to the list of electives **PHIL 3127**. Reason: Even though this class--PHIL 3127 Science, Technology, and Human Values--is the only one that is not exclusively taught by philosophers, the philosophers at GT agree that the way it is taught matches the standards that we set for ourselves.

CERTIFICATE MODIFICATION: (Approved)
Certificate in Philosophy of Science and Technology
Name change to Certificate in Philosophy

For the Philosophy Certificate: remove PST 3115 and 3103 as a requirement, stipulate the requirement of four PHIL courses, and change the name of the Certificate to "Certificate in Philosophy. The four required classes can be freely chosen among the following:

INTA 2030, PHIL 2010, 2025, 3050, 3102, 3103, 3105, 3109, 3113, 3115, 4110,
4752, 4174, 4176, 4801-2-3

PREREQUISITE MODIFICATION: (Acknowledged without Concern)
PUBP 4010 – Policy Task Force I
Delete PUBP 3020 as a prerequisite

Current Prerequisites for Course –
[PUBP 3020](#) Minimum Grade of D and
[PUBP 3030](#) Minimum Grade of D and
[PUBP 3130](#) Minimum Grade of D and

(Undergraduate Semester level [PUBP 3120](#) Minimum Grade of D
or Undergraduate Semester level [MGT 2250](#) Minimum Grade of D)

The School of Public Policy requests that PUBP 3020, Applied Political Economy, be dropped as a prerequisite for PUBP 4010, Policy Task Force I. At its August 30, 2012 meeting, the School of Public Policy Undergraduate Committee unanimously approved this proposal based on a recommendation from the instructors in PUBP 4010, who noted that their experience has revealed that the client-based projects that comprise this senior capstone course (which is the first semester of the two-semester capstone project) do not require the specific topics or methods of analysis taught in PUBP 3020. All other prerequisites for PUBP 4010 will be preserved.

3. A motion was made to approve a request from the School of Mechanical Engineering for a modification to the change of major process. The motion was seconded and approved with one abstention.

CHANGE OF MAJOR MODIFICATION: (Approved)
Bachelor of Science in Mechanical Engineering

The current Change-of-Major (COM) policy for ME is summarized as follows:

- For students who started at Georgia Tech as freshman and who have less than 60 hours of accumulated credit (including AP and transfer credit), and have not changed major before, there is no restriction on changing their major to ME. This is sometimes referred to as the *one “free” or one unrestricted change of major policy*. All that is needed is a Change of Major form, signed by the student’s current major and by an ME Academic Advisor. [ME also requires that the student cannot currently be on drop status.]
- Students who have more than 60 credit hours or have previously changed their major at Georgia Tech must have a Georgia Tech GPA greater than 2.6 to transfer into ME.
- Students who started at Georgia Tech as transfer students must have a Georgia Tech GPA ≥ 2.6 to change majors into ME.

The current Change-of-Major policy of the School of Mechanical Engineering conforms with the policy detailed in the GT Rules and Regulations, Section VI. Scholastic Regulations, F. Change of Major:

Undergraduate students, by filing the required form, will be permitted one unrestricted transfer between majors (including undecided) until they have accumulated credit for sixty hours. After sixty hours or upon subsequent request for transfer, the transfer will be permitted at the discretion of the school that the student is seeking to enter. Students who

transfer from another institution to pursue a degree at Georgia Tech will be permitted to change their major only at the discretion of the school that the student is seeking to enter. Transfer students are not eligible for the one unrestricted change of major. (Note: Certain majors, because of high enrollment, have been granted a waiver of the one unrestricted transfer regulation. Students should consult with the individual school concerning its current transfer policy.)

The School of Mechanical Engineering requests that the policy for a student to change their major to ME be changed as follows:

Proposed Modification to Change-of-Major (COM) Policy. (Numbers in brackets refer to Notes below.)

- A student who started at Georgia Tech as a Freshman and has not yet changed majors can change their major to ME within their first 2 semesters in residence. The COM request must be received prior to completion of their second semester. [1]
- All other students (including students who started at GT as transfer students) who wish to change their major to ME, must meet the following requirements:
- Students must have completed at least 12 credit hours of coursework for letter grade while in residence at Georgia Tech. [2]
- Students must have completed the following classes: CHEM 1310 (or CHEM 1211K), PHYS 2211, MATH 1501, and MATH 1502. [3,4]
- Students must have a Georgia Tech GPA ≥ 3.0 [5]

Notes:

1. For students that began at Georgia Tech in the *Freshman Summer Session*, the COM form must be received prior to completion of their 3rd semester.
2. The 12 credit hours must be for “in-class” coursework and cannot include AP or similar, nor can it include courses satisfied by exam, for example, an Advanced Standing exam.
3. Students may satisfy CHEM 1310 (or CHEM 1211K), PHYS 2211, MATH 1501, and MATH 1502 using AP credit.
4. Note that PHYS 2211, MATH 1501, and MATH 1502 are three of the classes in which the School of ME requires a C-or-better.
5. In the case of students who ask for Grade Replacement, the “replaced grade” is not included in the calculation of the GT GPA.

NOTE: The discussion included the concern that this change may or may not have the desired effect. Specifically, the following questions were raised:

1. Would this change actually improve the faculty-student ratio in ME and limit transfers in to students who are likely to complete the major?

2. Does this change unfairly target one population of students?
3. How easy is it to predict later student success based on the specific required courses listed?
4. What will be the effect on other majors, both within COE and in other colleges?

The Committee requested that data be collected and provided in 2014 to demonstrate what impact this change had on changes of major and enrollment in this program. Depending upon what the data show, further action might be required.

4. A motion was made to approve a request from the School of Industrial and Systems Engineering for modification to the change of major process. The motion was seconded and approved with one abstention.

CHANGE OF MAJOR MODIFICATION: (Approved)

Bachelor of Science in Industrial and Systems Engineering

All students, whether they have accumulated 60 hours or not, wishing to change their major to ISyE must meet the following requirements:

- All students must enroll in and attend an information session about transferring into ISyE.
- Students started as freshman in Georgia Tech Atlanta campus can change their major to ISyE within their first two semesters in residence, not including Summer Freshman sessions, provided they attend the information session and file the Change of Major Form prior to dead week of the student's second semester in residence. After that time, students need to meet the requirements in below:
 - Students who have already changed majors at least once or who have transferred to Georgia Tech without initially selecting ISyE as their major must meet the following additional requirements: Take the following four GT courses: (1) ENGL 1102 English Composition II, (2) CS 1301 Introduction to Computing, (3) Math 2602 Linear and Discrete Math (4-credit), and (4) ISyE 2027 Probability with Applications. If a student receives credit for any of these courses without taking the course at GT, ISyE will select a suitable substitute course. For ENGL 1102, ISyE will select a communication heavy course to be indicated on the Change of Major Form. For CS 1301, the substitute is CS 2316. If a student takes neither CS 1301 nor 2316 at GT, CS 4400 will be the substitute. Furthermore, in each of the four courses, the student needs to receive a C or better and the average of the four grades, weighting all grades equally, must be a 3.0 or better. If any of the four courses is repeated, the most recent grade will be used in meeting these requirements. Finally, the overall GPA from Georgia Tech must be a 3.0 or better.

NOTE: Some of the same concerns that were reflected in the discussion about the ME proposal were also voiced during the review of this proposal. The Committee appreciated the fact that ISyE included in its presentation data tracking student performance in the major, which provided a documented factual basis for their proposal. There was still some concern as to whether this change will have the desired effect.

The Committee requested that data be collected and provided in 2014 to demonstrate what impact this change had on changes of major and enrollment in this program. Depending upon what the data show, further action might be required.

5. A motion was made to approve a request from the School of Psychology for change to the admission prerequisites and a degree modification. The motion was seconded and approved with one abstention.

PREREQUISITE MODIFICATION (ADMISSION REQUIREMENT): (Acknowledged without Concern)

PSYC 2020 – Psychological Statistics
Delete ISYE 2027 as a prerequisite

Psychology proposes to remove ISyE 2027 (Probability) as a pre-requisite for our undergraduate statistics course (Psyc 2020). We believe that we can supply the key probability concepts from ISyE 2027 within our current Psyc 2020 course and that we can better tailor them to the needs of our students.

Current Prerequisites For Psyc 2020 (statistics) -
(Undergraduate Semester level [MATH 1502](#) Minimum Grade of D or Undergraduate Semester level [MATH 1512](#) Minimum Grade of D) or
(Undergraduate Semester level [MATH 15X2](#) Minimum Grade of D and Undergraduate Semester level [MATH 1522](#) Minimum Grade of D)
and Undergraduate Semester level [PSYC 2015](#) Minimum Grade of D
and Undergraduate Semester level [ISYE 2027](#) Minimum Grade of D

DEGREE MODIFICATION: (Approved)

Psychology proposes to remove ISyE 2027 (Probability) from the list of required courses for psychology majors. We believe that we can supply the key probability concepts from ISyE 2027 within our current course offerings. A good deal of ISyE 2027 was not relevant for our majors and we believe their education can be better served by having flexibility to take other courses.

The curriculum changes for the degree:

- Remove ISyE 2027 from the psychology major curriculum Area F.
- Move Psyc 2210 (Social Psychology) from the list of required major courses into Area F. (Area F must be 18 hours of 1000/2000 level courses)
- Add three additional free elective hours to our curriculum. Current free is 25 hours, so this would increase the free to 28 hours.
- Degree total remains 122 required.

6. The Committee also briefly discussed the Coursera project and agreed that more discussion would be very helpful in identifying and understanding what are likely to be the larger issues for the Institute as this project continues to develop.

To that end, the Chair of the Committee will invite some of the key players to attend the next academic matters meeting so that committee members can be better informed about the larger vision of the project, what the expected next phases will be, and what role the IUCC is likely to have in the future if the courses are offered for academic credit.

The Chair will follow up with the Committee when this meeting is arranged.

Adjourned,

Reta Pikowsky
Registrar