

**Institute Graduate Curriculum Committee
Minutes
November 5, 2015**

Present: Breedveld (CHBE), Balch (CoC-Executive Liaison), Ceccagnoli (CoB), Chow (CoC-CSE), Gable (GCC Student Representative), Jagoda (AE), Neitzel (ME), Omiecinski (CoC-CS), Sluss (CoB), Smith (AE)

Visitors: Hodges (Registrar), Laros (Registrar), Mitra (CoB), Jacobs (COE), Riley (ECE), Rinehart (COA), Jordan (CoB), Williams (ECE)

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. It may also be that approval of the Southern Association of Colleges and Schools is also required.

Academic Matters

1. A motion was made to *approve* a request from the College of Architecture to be granted an exception to the academic calendar, with the amendment that the exemption will only be for the Spring 2016 term and that a follow-up will be presented to the Committee in June 2016. This amended motion was seconded and approved.

Academic Calendar Exception – Approved

(Note: The amendment was made to enable the Committee to reconsider after the Spring 2016 term if this exception should be granted for future terms).

Summary

Design studios in architecture, industrial design, and city and regional planning require students to present their final studio projects to a jury comprised of practitioners, the general public, and/or other faculty in a public setting. These studio reviews are in lieu of a final exam for the course.

Under the previous academic calendar, these reviews took place throughout Dead Week and all studio reviews for students (both undergraduate and graduate) were completed by the last day of classes (or during the regularly scheduled exam period for that course). The reviews were spread through the week for several reasons: 1) to accommodate for review space constraints, 2) to allow students to participate in

reviews of other years and disciplines, and 3) to allow jurors to participate in multiple reviews serving as a curricular review.

With the new changes in the academic calendar, it will not be possible to schedule all of the design reviews for the three programs in the two final instructional class days of the semester. While the College is working on a variety of strategies to complete all reviews by the end of the term, it may be necessary to schedule a limited number of reviews after classes have ended. As a result, the College of Architecture proposes the following exception for fall and spring semesters:

- For graduate student design courses that do not complete reviews prior to the end of classes or during the regularly scheduled exam period, reviews will be scheduled during the three days following the end of classes.
- Students with the heaviest course load that may require final examinations will have reviews scheduled during the reading period so as not to conflict with exams.
- In the event that a student has a final exam during their scheduled design review, the College will make the appropriate accommodations to resolve the conflict.

Note: This exception does not apply to undergraduate student design reviews, which will be completed by the end of classes each semester or during their scheduled exam period.

2. A motion was made to *approve* a request from the School of Biology for a new course. This motion was seconded and approved.

New Course – Approved

BIOL 7200: Programming for Bioinformatics 2-3-3

(Note: The committee did approve with the contingency that the NCP be updated to change the course hours to 2-3-3 and to indicate that the course has a 50% supervised lab component).

3. A motion was made to *approve* a request from the School of Industrial and Systems Engineering to create a BS/MS program for BSIE/MSSCE. This motion was seconded and approved.

New Track or Option – Approved

BS/MS program for BSIE/MSSCE

The Georgia Tech School of Industrial and Systems Engineering (ISyE) seeks to modify its Bachelor of Science degree in Industrial Engineering (BSIE) and its Master of Science in Supply Chain Engineering (MSSCE) degrees by offering a new BS/MS program option.

Under the proposed BS/MS option, a student would complete the BSIE degree *with a concentration in Supply Chain Engineering* by replacing two degree course electives with MS-level courses that will be double-counted toward the follow-on MSSCE degree. After graduation, the student would convert to graduate status and complete the MSSCE degree after two additional semesters, one at full-time enrollment and one at half-time enrollment.

Undergraduate students who complete the BSIE/MSSCE program will complete three (3) required MS courses while on undergraduate status; each of these courses are offered Fall semesters only. The BSIE program will be updated to include the MS courses for the BSIE/MSSCE program as a Depth elective option and a Breadth elective option.

SCE Depth elective	3	ISYE 4111 or ISYE 4803 or ISYE 6335*
SCE Breadth electives	9	CS 4641 or ECON 3150 or ECON 4340 or ECON 4350 or ISYE 3039 or ISYE 4031 or ISYE 4133 or ISYE 4232 or ISYE 4301 or ISYE 4311 or ISYE 4803 or MATH 4262 or MGT 3078 or ISYE 6333*

See Proposal 4847 on IUCC site for further details on the BSIE/MSSCE program. This proposal has been approved by IUCC on October 27, 2015.

See Proposal 4850 on IGCC site for graduate level updates on the BSIE/MSSCE program.

4. A motion was made to *approve* a request from the College of Business for a degree modification. This motion was seconded and approved.

Degree Modification – Approved

Master of Science in Colleges of Engineering and Computing

Doctor of Philosophy in Colleges of Engineering and Computing

Master of Business Administration

Summary

The Scheller College of Business, along with the Colleges of Engineering (CoE) and Computing (CoC), is proposing to offer an MBA option to selected students enrolled in Master of Science and Doctor of Philosophy programs in the Colleges of Engineering and Computing. We believe that the ability to earn an MBA will be very attractive to MS and PhD students who wish to pursue a technology management career outside of academia and help them

progress eventually into senior management roles. This will also help the Scheller College attract high-caliber students with deep technical expertise into its MBA programs. It will also make the MS and PhD programs in the Colleges of Engineering and Computing more attractive to prospective students. Georgia Tech's peer universities such as Stanford, MIT and Carnegie Mellon already offer similar dual degree options.

It should be noted that the MS, PhD and the MBA degrees are currently offered by Georgia Tech, and this proposal will not create any new degrees. The requirements for each degree remain unchanged. The proposed program simply allows current graduate students in Engineering and Computing to count courses taken in the Colleges of Engineering or Computing towards their MBA degree. **There is no change in the structure or requirements for the MS and PhD degrees in the Colleges of Engineering and Computing.**

Proposed MBA Program Structure for Graduate Students in Engineering and Computing:

Courses	Credits
MBA Core courses	21 credits
MBA Electives	18 credits
MS / PhD Courses counted towards MBA Electives <i>Required courses and technical electives as specified by the MS and PhD program requirements to count towards the MBA degree</i>	15 credits
Total Credits for MBA	54 credits
Total Credits for MBA beyond MS/PhD requirements	39 credits

This proposal will allow selected MS and PhD students in the Colleges of Engineering and Computing to also complete the requirements of the MBA by taking 39 credits of coursework in the Scheller College of Business, **beyond the requirements for the MS and PhD degrees they are enrolled in.** With a higher course load per semester than those who pursue a single degree, it may be possible for students to complete the MBA with one additional year of residency at Georgia Tech.

The program is not currently open to students in the Professional Masters programs offered through GTPE. The program is not currently open to

students enrolled in the online MS programs offered by the Colleges of Engineering and Computing.

The MBA option will be available to selected graduate students at Georgia Tech enrolled in a MS or PhD program in the Colleges of Engineering or Computing. Students in interdisciplinary graduate degree programs in which the Colleges of Engineering or Computing are participating entities are also eligible for the MBA option. (Such as: DR-CSE, DR-BINF, DR-PSE, DR-ACO, MSANLT, MSCSE, MSPSE, MSQCF, MSHCI, MSSTAT)

5. A motion was made to *table* a request from the School of Electrical and Computer Engineering for a degree modification. This motion was seconded and tabled.

Degree Modification – Tabled

Master of Science in Electrical and Computer Engineering

Note: It will be necessary for the approvals to be completed at the School level before the Committee can consider this request. Only requests that have been approved through the School and College level may be considered by the Committee.

Administrative Matters

1. Discussion of rule: Doctoral students must spend at least two full-time semesters in residence at the Georgia Institute of Technology and ordinarily must complete research for the dissertation while in residence.

This item was placed on the agenda for discussion to determine if a change in Catalog policy is needed to further clarify the meaning of the phrase “in residence” for doctoral students. Any proposed change would have to be approved before the Catalog could be updated. The Committee concluded that a revision is appropriate and will work with Grad Studies and the Registrar’s office to propose modifications.

Adjourned,

Victor Breedveld, Chair
(For Reta Pikowsky,
Secretary)