

Institute Undergraduate Curriculum Committee
Minutes
Academic Matters and Appeals (Full Committee)
Tuesday, January 19, 2016

Present: Mayor (ME), Scott (CEE), Coyle (ECE), Economou (ARCH), Goodisman (BIOL), Hollengreen (ARCH), Millard-Stafford (APPH), Moore (ECE), Parsons (CoB), Pikowsky (Registrar), Potts (Vice Provost), Senf (LMC), Shepler (CHEM-Executive Board Liaison), Smith (ME), Wilkinson (CHEM/BIOCHEM), Zhou (ISYE)

Visitors: Hodges (Registrar), Cole (Registrar), Evanuiik-Baird (OIE), Hammer (BIOL), Bardill (BIOL), Butler (CoB), Agrawal (ChBE), Mastrangelo (CoB), Subramanian (CoB), Clarke (CoB), Ferri (ME), Green (BIOL)

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. In some instance, approval by the Southern Association of Colleges and Schools (SACS-CoC) might be required.

Note: All votes are unanimous unless specifically noted otherwise.

Administrative Matters

1. A motion was made to *approve* the General Education Subcommittee Minutes of November 18, 2015. The motion was seconded and approved.

The details of those minutes are posted on ICC website proposal 4900.

The chair of the Gen Ed subcommittee, David Scott, updated the Committee on several courses pending approval from the USG as well as several courses pending from 2014 that were sent back for more work before reaching the Academic Advisory Committees. One of the major issues was the lack of a clear relationship between the approved learning outcomes in the Core areas to the learning outcomes of the course.

The Committee discussed if these courses need to be approved, or reapproved, by the IUCC after the editing process is complete. The Committee concluded that the courses do not have to come back to ICC for approval if there is no change to the course content and the only change is to how the form was filled out.

Academic Matters

2. A motion was made to *approve* a request from the School of Literature, Media, and Communication to deactivate courses. The motion was seconded and approved.

Deactivation of courses – Approved

- LCC 2698
- LCC 2699
- LCC 2710
- LCC 2801
- LCC 2803
- LCC 3400
- LCC 3401
- LCC 3502
- LCC 4824

The Committee discussed and approved giving the Registrar authority to deactivate courses when the action is taken due to a name change of the academic unit that results in a new subject code being implemented (such as “LCC” going to “LMC”).

3. A motion was made to *table* a request from the School of Biology for a new course. The motion was accepted.

New Course with Attribute (Lab Science: Area D) – Tabled

BIOL 1220: Biology of Sex and Death

3-3-4

The course was tabled as it was noted that the Core Course Proposal Form on the ICC site was not the most up-to-date version. It was suggested that on the Core Course Proposal form, page 4, that all majors should be checked for “appropriate majors” as the degree requirements can allow or not allow the course in a curriculum.

Note: The most up-to-date version was submitted on January 19, 2016 and uploaded to the ICC site.

4. A motion was made to *approve* a request from the School of Chemical & Biomolecular Engineering to join the International Plan. The motion was seconded and approved.

New Option – Approved

The School of Chemical & Biomolecular Engineering is requesting to join the International Plan (IP) as part of its undergraduate education. The proposal

details the changes (additions) that would be made in the culminating senior design course sequence as well as incorporate the IP language requirements, and globally focused courses (3 social science courses).

ChBE Proposal for Culminating Capstone Design Course Requirements

- All BSChBE (IP, Co-op, Research Option, Standard Option, Biotech Option) degree candidates will complete a two-term sequence that requires a major integrative design experience. The Standard Option degree students will complete ChBE 4510 (2-0-2), taught in fall and spring semesters, and ChBE 4520 (0-6-2), taught in spring and summer semesters. The Biotech Option degree students will complete ChBE 4510 (2-0-2), taught in fall and spring semesters, and ChBE 4530 (0-6-2), taught in spring and summer semesters. These courses cannot be taken together. ChBE 4510 is a pre-requisite for ChBE 4520 and ChBE 4530.
- The students pursuing BSChBE (IP option) will be asked to review the design protocols (typically in a group or team setting) in the context of the following considerations:
 - How will the product/process being designed be different if it is designed in partnership with the country/region that constitutes a part of their IP program?
 - Do local market conditions and consumer preferences affect the viability of this process/product?
 - How do the raw materials, utilities, products pricing structure in the country/region affect the techno-economic feasibility of the design project?
 - Does the product/process design meet the safety and environmental laws and regulations of both regions (U.S. and abroad)?

The BSChBE (IP option) students will write appendices to the team design report during the second design course (ChBE 4520 or ChBE 4530) to highlight the differences caused in the design and economic considerations and will defend their conclusions and recommendations in oral presentations scheduled at the end of second design course. The appendix, designated as “Global Issues” section, will identify the relevant issues and how these were addressed in the design/analysis. This section will be required of any team which includes one or more IP candidates, thus forcing the project to address global aspects. This is entirely consistent with the ABET criteria that design addresses societal context issues.

See sample International Plan schedule in Proposal 4898 on ICC site.

This was approved with the request to clarify students who enroll in CHBE 4520 and are not following the International Plan requirements are not subjected to complete the global attribute required for International Plan. Also, to change the word from 'they' to 'those' on the first sentence of page 5 of proposal.

Note: An updated version was submitted on January 20, 2016 and uploaded to the ICC site.

5. A motion was made to *table* a request from the School of Industrial & Systems Engineering for a degree modification. The motion was accepted.

**Degree Modification – Tabled
Bachelor of Science in Industrial Engineering (BSIE) – all concentrations**

6. A motion was made to *approve* a request from the Scheller College of Business for a new course. The motion was seconded and approved.

New Course – Approved

MGT 3616: Corporate Governance

3-0-3

MGT 3616 was approved with suggestions that the attendance policy in the syllabus should be updated to accurately reflect Georgia Tech's attendance policy. It was noted that outside of class attendance to an event cannot be required and reasonable alternatives should be provided on the syllabus.

Note: A revised syllabus was uploaded to the ICC website following the meeting with the suggested changes made.

7. A motion was made to *approve* a request from the Scheller College of Business for minor modifications. The motion was seconded and approved.

**Minor modification – Approved
Engineering and Business (EBUS)**

Summary

This minor modification will be changing text description of both T&M Program minors (Computing and Business and Engineering and Business) to be consistent with each other, including minimum GPA requirements. Also, adding flexibility to the College of Engineering students' required course in Finance. This is to aid in students' ability to complete the minor in four semesters, as intended.

The curriculum of the Minor in Engineering and Business requires the completion of 22 semester credit hours.

The minimum, cumulative GPA required for applicants to the Denning T&M Program is 3.0 based on a minimum of 12 hours earned at Georgia Tech. In order for accepted students to maintain their eligibility to remain in the T&M Program, they must maintain a minimum 3.0 GPA for the classes required by the Denning T&M curriculum. All courses used to satisfy the requirements of the minor must be taken for a letter grade and must be completed with the grade of C (2.00) or better.

Course Numbers and Descriptions (SCH=Semester Credit Hours)

No Changes to Required courses to be completed by **All Students - Total: 13 hours**

Course	SCH		
Analysis of Emerging Technologies MGT/ME* 3743 TM	3	Existing Course	No prerequisites, but TM section reserved for T&M students
Managing Product, Service & Technology Development MGT/ME* 3744 TM	3	Existing Course	No prerequisites, but TM section reserved for T&M students
Integrative Management Development – Capstone Preparation MGT/ME* 4741	3	Existing Course for T&M Program	No prerequisites, but course restricted to T&M students.
Integrated Capstone Project MGT/ME* 4742	4	Existing Course for T&M Program	Prerequisite: MGT/ME* 4741; course restricted to T&M students. Capstone Projects are sponsored by the Program’s Corporate Affiliates.

*Engineering students must enroll using the MGT heading and Business students must enroll using the ME heading.

No Changes to Track for BSBA Students – Total: 9 hours

Course	SCH		
Introduction to the Microelectronics and	3	Existing Course	No prerequisites, but TM section reserved for T&M

Nanotechnology Revolution COE 3002			students
Cutting-Edge Technologies Seminar ME 3141	3	Existing Course	No prerequisites, but TM section reserved for T&M students
Creative Decision and Design ME 2110	3	Existing Course	Restricted to ME students, but T&M Business students receive permits to register

Changes to Track for Engineering Students are highlighted below – Total: 9 hours

Course SCH

Marketing Management I MGT 3300	3	Existing Course	No prerequisites
Financial and Managerial Accounting MGT 3000	3	Existing Course	No prerequisites
Finance and Investments MGT 3078 or Financial Management MGT 3062	3	Existing Course	No prerequisites for MGT 3078; Prerequisite for MGT 3062 is MGT 3000

Total Semester Hours for Minor: 22 (7 courses)

**Minor modification – Approved
Computing and Business (CBUS)**

Summary

This minor modification will be changing text description of both T&M Program minors (Computing and Business and Engineering and Business) to be consistent with each other, including minimum GPA requirements. Also, adding flexibility to the College of Computing students' required course in Finance. This is to aid in students' ability to complete the minor in four semesters, as intended.

The curriculum of the Minor in Computing and Business requires the completion of 22 semester credit hours.

The minimum, cumulative GPA required for applicants to the Denning T&M Program is 3.0 based on a minimum of 12 hours earned at Georgia Tech. In order for accepted students to maintain their eligibility to remain in the T&M Program, they must maintain a minimum 3.0 GPA for the classes required by the Denning T&M curriculum. All courses used to satisfy the requirements of the minor must be taken for a letter grade and must be completed with the grade of C (2.00) or better.

Course Numbers and Descriptions (SCH=Semester Credit Hours)

No Changes to Required courses to be completed by **All Students** – **Total: 13 hours**

Course	SCH		
Analysis of Emerging Technologies MGT/CS* 3743-TM	3	Existing Course	No prerequisites, but TM section reserved for T&M students.
Business Process Analysis and Design MGT/CS* 4057 TM	3	Existing Course	Prerequisite: MGT 2200 for BSBA students. Prerequisite waived for BSCS and BSCM students.
Integrative Management Development – Capstone Preparation MGT/CS* 4741	3	Existing Course for T&M Program	No prerequisites, but course restricted to T&M students.
Integrated Capstone Project MGT/CS* 4742	4	Existing Course for T&M Program	Prerequisite: MGT/CS* 4741; course restricted to T&M students. Capstone Projects are sponsored by the Program’s Corporate Affiliates.

*Computing students must enroll using the MGT heading and Business students must enroll using the CS heading.

No Changes to Track for BSBA Students – **Total: 9 hours**

Course	SCH		
Data Manipulation for	3	Existing Course	Prerequisites: CS 1301 or

Science and Industry CS 2316			CS 1315 or CS 1371
Emerging Database Technologies and Applications CS 4440, or Database System Implementation CS 4420	3	Existing Course	Prerequisites: CS 4400 or MGT 4058
Next Generation Computing Technologies CS 4005	3	Existing Course	Prerequisite: CS 2316

Changes to Track for BSCS and BSCM Students – Total: 9 hours

Course SCH

Marketing Management I MGT 3300	3	Existing Course	No prerequisites
Financial and Managerial Accounting MGT 3000	3	Existing Course	No prerequisites
Finance and Investments MGT 3078 or Financial Management MGT 3062	3	Existing Course	No prerequisites for MGT 3078; Prerequisite for MGT 3062 is MGT 3000.

Total Semester Hours for Minor: 22 (7 courses)

- A motion was made to *approve* a request from the Scheller College of Business to create a new minor. The motion was seconded and approved.

**New Minor – Approved
Technology and Business (TBUS)**

Summary

The faculty of the Scheller College of Business and the Denning Technology & Management (T&M) Program, propose to offer the new Minor in Technology and Business. The intent of this new minor is to offer students in the College of

Architecture, Ivan Allen College, and College of Sciences the same opportunity students from the Colleges of Computing, Engineering and Business have to participate in an innovative curriculum, including real-world interdisciplinary team projects and the resources of an array of corporate affiliates and Georgia Tech faculty members. The new minor would require 22 credit hours, which is the same as the number for the existing minors in Computing and Business and Engineering and Business.

Curriculum

The minimum, cumulative GPA required for applicants to the Denning T&M Program is 3.0 based on a minimum of 12 hours earned at Georgia Tech. In order for accepted students to maintain their eligibility to remain in the T&M Program, they must maintain a minimum 3.0 GPA for the classes required by the Denning T&M curriculum. All courses used to satisfy the requirements of the minor must be taken for a letter grade and must be completed with the grade of C (2.00) or better. All 22 credit hours are required.

Course Numbers and Descriptions (SCH=Semester Credit Hours)

Required courses to be completed by:

Architecture, Ivan Allen, and Sciences Students - Total: 22 hours

Course	SCH		
Analysis of Emerging Technologies MGT 3743-TM	3	Existing Course	No prerequisites, but TM section reserved for T&M students
Managing Product, Service & Technology Development MGT 3744	3	Existing Course	No prerequisites, but TM section reserved for T&M students
Integrative Management Development – Capstone Preparation MGT 4741	3	Existing Course for T&M Program	No prerequisites, but course restricted to T&M students.
Integrated Capstone Project MGT 4742	4	Existing Course for T&M Program	Prerequisite: MGT 4741; course restricted to T&M students. Capstone Projects are sponsored by the Program’s Corporate Affiliates.

Course SCH

Marketing Management I MGT 3300	3	Existing Course	No prerequisites
Financial and Managerial Accounting MGT 3000	3	Existing Course	No prerequisites
Finance and Investments MGT 3078 or Financial Management MGT 3062	3	Existing Course	No prerequisites for MGT 3078; Prerequisite for MGT 3062 is MGT 3000

9. A motion was made to *approve* a request from the Scheller College of Business, the College of Computing, and the School of Mechanical Engineering for pre-requisite modifications. The motion was seconded and approved.

Pre-requisite Modifications – Approved

MGT 4742

Current: None

Proposed: MGT 4741 with minimum grade of C

ME 4742

Current: None

Proposed: ME 4741 with minimum grade of C

CS 4742

Current: CS 4741 with minimum grade of D

Proposed: CS 4741 with minimum grade of C

Adjourned,

Reta Pikowsky

Registrar