

**Institute Undergraduate Curriculum Committee
Appeals and Academic Matters (Full Committee)
Tuesday, July 13, 2010**

Present: Seitzman (AE), Pikowsky (REG), Ferri (ME), Bottomley (CHEM), Ludovice (CHBE), Isbell (CoC), Belton (ECON), Benkeser (BMED), Chang (MGT), Flammig (HTS), Senf (LCC)

Visitors: Laros (REG), Howson (REG), Simon (REG), Paraska (Provost), Durant-Modeste (ISYE), Johnson-Marshall (ODOS), Yaszek (LCC)

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. The Office of Institutional Research has prepared a report on student performance following readmission after being put on academic drop. The report is in draft form and has not yet been reviewed and analyzed for Committee discussion. The report will be put on the next available agenda and a staff member from IRP will attend the meeting to review the data.
2. Pre-requisite changes from the School of Biomedical Engineering were acknowledged and no concerns were expressed.

PRE-REQUISITE MODIFICATIONS – Informational Item:

Replace the current prerequisites with the following:

- BMED 2210 Conservation Principles in BME.
Prerequisites: BMED 1300 Minimum Grade of C and (CHEM 1211 Minimum Grade of C or CHEM 1310 Minimum Grade of C) and PHYS 2211 Minimum Grade of C.
- BMED 2300 Problems in BME II.
Prerequisites: BMED 1300 Minimum Grade of C
- BMED 4500 Cell & Tissue Engineering Lab:
Prerequisites: BMED 3610 Minimum Grade of D
- BMED 4600 Senior Design Project I.

Prerequisites: BMED 3610* (with concurrency) Minimum Grade of D and BMED 2300
Minimum Grade of D

3. A motion was made to approve a request from the School of Biomedical Engineering for degree modification. The motion was seconded and approved.

DEGREE MODIFICATION:

Bachelor of Science in Biomedical Engineering

Remove the minimum grade of C requirement for CHEM 1315 and PHYS 2212.

This change does not affect the number of credit hours required for the degree. Studies of student performance in these two courses and their subsequent performance in BMED courses that require these two courses as prerequisites did not justify this higher grade standard. The proposed modification does not affect the number of credit hours required for the degree. It will however result in an overall reduction in the number of students having to retake the two courses in question. For a few students this will result in a reduction in the time to graduation.

4. A motion was made to approve a request from the School of Civil and Environmental Engineering for a new course and for a degree modification. The motion was seconded and approved.

NEW COURSE:

CEE 4101: Construction Seminar 1-0-1

DEGREE MODIFICATION:

Bachelor of Science in Environmental Engineering

- Change the “Physical Chemistry / Thermodynamics Elective” requirement to include an additional course option: Specifically change “Choose one of CHEM 3411/EAS 3603/CHE 2110” to Choose one of CHEM 3411/EAS 3603/CHE 2110/ME3322”.
- Change the “Statistics & Applications” requirement to eliminate the option of the MATH version of the course. Specifically change “Choose one of CEE/ISYE/MATH 3770” to “Choose one of CEE/ISYE 3770”.
- Require a minimum total of 52 hours to be taken within the College of Engineering. Students will achieve this requirement in the following manner: 40 credits of required courses [COE2001(2), COE3001(3), CEE2040(2), CEE2300(3), CEE3000(3), CEE3020(3), CEE3040(3), CEE3340(3), CEE4200(3), CEE4300(3), CEE/ISYE3770(3), EnvE Tech Elective (3), EnvE Design Elective (3), CEE4090(3)] and the remaining minimum of 12 credits coming from the Thermodynamics Elective (up to 3 credits; choose one of CHEM 3411/EAS 3603/CHE 2110/ME3322), the Focus Area Electives (up to 12 credits; choose 4 courses from the list of COE, COS and COA courses), and the Approved Electives (up to 6 credits). Hence, students must select a minimum of 12 COE course credits out of these 21 elective credits.

- Revise the list of courses for the “Focus Area Elective” requirement. The revised list, with the added courses in italics, is:

BIOL 2335 General Ecology
 BIOL 3380 Introductory Microbiology
 BIOL 4010 Aquatic Ecology
 BIOL 4430 Environmental Sustainability
 BMED 3400 Introduction to Biomechanics
 BMED 4757 Biofluid Mechanics
 BMED 4758 Biosolid Mechanics
 CEE 3010 Geomatics
 CEE 4100 Construction Engineering and Management
 CEE 4210 Hydrology
CEE4225 Coastal Engineering
 CEE 4230 Environmental Transport Modeling
 CEE 4310 Water Quality Engineering
 CEE 4320 Hazardous Substance Engineering
 CEE 4330 Air Pollution Engineering
 CEE 4405 Geotechnical Engineering
 CEE 4420 Subsurface Characterization
 CEE 4600 Transportation Planning, Operation and Design
 CEE 4620 Environmental Impact Assessment
 CEE 4795 Ground Water Hydrology
 CHBE 3200 Transport Processes I
 CHEM 3281 Instrumental Analysis for Engineers
 CHEM 3511 Survey of Biochemistry
 CHEM 4740 Atmospheric Chemistry
 CP 4210 Environmental Planning and Impact Assessment
 CP 4510 Fundamentals of GIS
EAS4110 Resources, Energy & Environ
EAS4300 Oceanography
EAS 4410 Climate & Global Change
 EAS 4420 Environmental Field Methods
 EAS 4430 Remote Sensing and Data Analysis
EAS 4480 Environ Data Analysis
 EAS 4610 Earth Systems Modeling
EAS 4625 Water Quality Modeling
 EAS 4740 Atmospheric Chemistry
 ECE 3710 Circuits and Electronics
 ECE 3741 Instrumentation and Electronics Lab
 ME 4171 Environmentally Conscious Design and Manufacturing
 ME 4172 Designing Sustainable Engineering Systems
 ME 4782 Biosystems Analysis

Additional courses, including special topics courses, may be considered by the faculty.

5. A motion was made to approve a request from the School Literature, Communication, and Culture for a degree modification. The motion was seconded and approved.

DEGREE MODIFICATION:

Bachelor of Science in Science Technology and Culture

The LCC Undergraduate Curriculum Committee, with the endorsement of the LCC Executive Committee and LCC faculty, proposes to amend the BS in STAC degree requirements so it is clear that students in this degree program must take all required LCC courses on a letter grade basis and that they must earn Cs or better in such courses for them to count toward graduation. Although LCC has had this policy since the inception of the STAC degree and all students are informed of this policy when they declare the STAC major, it was never formally written into any official STAC materials. Making this change will help STAC students better understand what they must accomplish in their major coursework to graduate in a timely fashion. It will also create parity between STAC and LCC's other undergraduate degree, Computational Media (CM). CM already has an explicitly stated minimum grade requirement in its degree materials, including that GT catalog text dedicated to explaining CM degree requirements.

As indicated in the table below, the BS in STAC requires 59 hours of basic distribution/core requirement coursework; 45 hours of major coursework (to be completed with LCC classes); 9 hours of non-major cluster coursework (to be completed in any one unit other than LCC, subject to the STAC Academic Advisor's approval); and 9 hours of free electives.

Requirements of the BS in Science, Technology, and Culture:

Basic Distribution	59 hours
Major Hours	45 hours
Non-major Cluster	9 hours
Free Electives	9 hours
TOTAL	122 hours

STAC majors may choose to modify their degree coursework to better match their anticipated career plans by electing to pursue one of five degree options: Biomedicine and Culture, Gender Studies, Media Studies, International Plan, or Research Thesis. Regardless of which degree option they choose, all STAC majors are expected to adhere to LCC's minimum grade policies.

6. A motion was made to approve a request from the School of Economics for a new certificate. The motion was seconded and approved.

NEW CERTIFICATE:

Certificate in Economics

The Certificate in Economics is for students in all disciplines at Georgia Tech (other than Economics majors, including GEML and EIA majors). The certificate program introduces students to core economic concepts and tools and their application to real-world problems.

The certificate is especially valuable for students considering graduate work in law, public policy, or business administration. The certificate will also be attractive to students who wish to broaden their education and economic proficiency but have limited curricular flexibility in their major degree program that prevents them from participating in the Minor in Economics.

- The certificate requires a minimum of 12 semester hours in Economics with at least nine (9) hours being at the 3000 level or higher. All courses counting toward the certificate must be taken on a letter-grade basis, and be completed with a grade of C or better. Courses required by course name and number in a student's primary major degree program may not be credited by that student toward the Certificate in Economics. However, courses used in a certificate also may be used to fulfill elective requirements (free electives, technical electives, humanities electives, social sciences electives, etc.) in the student's major degree program. A course may not be counted toward more than one certificate and/or minor.
- Some of the 3000/4000-level courses that may be considered for certificate credit are (at least 9 hours):

- ECON 3110 Advanced Microeconomic Analysis
- ECON 3120 Advanced Macroeconomics
- ECON 3150 Economic and Financial Modeling
- ECON 3161 Introduction to Econometrics
- ECON 4160 Economic Forecasting
- ECON 4311 Strategic Economics of Global Enterprises
- ECON 4340 Industrial Organization
- ECON 4350 International Economics
- ECON 4355 Global Financial
- ECON 4360 Network Economics
- ECON 4421 Urban and Regional Economics
- ECON 4411 Economic Development
- ECON 4450 African-American Entrepreneur
- ECON 4510 Health Economics

Other 3000 and 4000 level courses may be approved by the Assistant Director of Academic Programs.

2000 level courses that may be considered for certificate credit are (no more than 3 hours, and if not required by name and number by the major school):

- ECON 2100 Economic Analysis and Policy Problems
- ECON 2101 The Global Economy
- ECON 2106 Principles of Microeconomics
- ECON 2105 Principles of Macroeconomics

Only students enrolled at Georgia Tech may enroll in this certificate program. Enrolled students must contact the Assistant Director of Academic Programs in the School of Economics. They are required to complete an application form indicating their program of study towards the Certificate. The Assistant Director of Academic Programs will approve the plan of study for the Certificate. Students who have completed all requirements for the Certificate will complete a form listing the courses taken and the grades earned towards the Certificate and submit it to the School of Economics at the beginning of their graduating semester. The Certificate will be issued by the School of Economics upon verification that all requirements for the Certificate in Economics have been fulfilled.

7. The Registrar's Office brought forward an administrative item related to the course numbering system. The discussion focused primarily on the possible creation of 5000 level courses that would serve entry-level graduate students and provide a means to further distinguish those courses that are bridges between the undergraduate level and graduate level. The Registrar's Office indicated that it would also engage in a discussion with the Graduate Committee and do more research before putting the issue back on the agenda for more discussion and possible action.

Petitions

1. Student Petitions Considered and Voted-Upon by the Committee since 05/11/10

All were approved except as noted:

- 3- Readmit 2nd drop (**1 Denied**)
- 7- Term withdrawals (**1 Tabled**)
- 4- Selective withdrawals
- 2- 36-hour rule waiver
- 1- Keep withdrawal status (maintain course withdrawal in late summer session course despite having completed an early short session class)

2. Petitions Handled by Administrative Decision

The following petitions met the guidelines for "Administrative Action," and were decided by the Registrar under the authority granted to her by the Committee. All were approved except as noted:

- 1- Repeat music classes (use credits in MUSI classes; registration error)
- 1- Use course to meet degree requirements
- 2- 10-year rule waiver
- 12- Readmit 1st drop for FA10 (**1 Denied**)
- 1- Readmit 1st drop for SP11
- 8- Return FA10 (**1 Denied**)
- 1- Co-op course placeholder late registration for Summer 2010

Adjourned,

Reta Pikowsky
Registrar