

Institute Undergraduate Curriculum Committee

**Academic Faculty Senate
Tuesday, April 21, 2015
3:00-5:00 PM
Student Center Theatre**

Action Items and Minutes

Presented by:

- **Dr. Rhett Mayor, ME, Chair, IUCC**

Action Items

From the March 3, 2015 Minutes

School of Chemical and Biomolecular Engineering

- **Minor Modification**

- Minor in Energy Systems – add CHBE as a participating School

School of Modern Languages

- **New Course with HUM attribute**

- RUSS 3242: Urban Mythologies in Russian Literature 3-0-3

School of International Affairs

- **New Course with SOCSCI attribute**

- INTA 3012: War in the 20th Century 3-0-3

School of Literature, Media, and Communication

- **New Course with HUM attribute**

- LMC 3255: Cinema and Digital Culture 3-0-3

Action Items

From the March 3, 2015 Minutes

School of Public Policy

- **New Courses with SOSCI attribute**
 - PHIL 3140: Philosophy of Food 3-0-3
 - PUBP 3244: Stem Cell Policy and Ethics 3-0-3
 - PUBP 3320: Climate Policy 3-0-3
- **New Courses**
 - PUBP 4620: Environmental Law 3-0-3
 - PUBP 4640: Technology Law, Policy, and Management 3-0-3
 - PUBP 4650: Internet Law 3-0-3

Action Items

From the March 3, 2015 Minutes

School of Public Policy

- **Minor Modification – Minor in Law, Science, and Technology**
 - The LS&T minor requires students to take one of four core menu classes. The remaining classes are electives.
 - Three of those electives have previously been offered as Special Topics classes through the School of Public Policy. Those courses now have permanent numbers.
- **Certificate Modification – Certificate in Pre-Law**
 - The Pre-Law Certificate requires students to take one of four core menu classes. The remaining classes are electives.
 - Three of those electives have previously been offered as Special Topics classes through the School of Public Policy. Those courses now have permanent numbers.

Action Items

From the March 24, 2015 Minutes

Changes to the Undergraduate Minor Guidelines

- Highlights of the changes:
 - Divides the document into distinct sections:
 - Program of Study
 - Requirements for the Program of Study
 - Other Guidelines
 - Administrative Guidelines
- In the current document, it is difficult to sort out the academic issues from the administrative issues. The reformatting makes that more obvious and the document now flows more smoothly.

Action Items

From the March 24, 2015 Minutes

Changes to the Undergraduate Minor Guidelines

The most significant changes occurred in the section on Requirements for the Program of Study. This is where most of the confusion about minors has occurred over the years.

- **Proposed Language:** Courses used to satisfy Core Areas A through E in a student's major degree program cannot also be used to satisfy the course requirements for a minor.
- **Proposed Language:** Any free elective course used to satisfy the course requirements of the student's major degree program may also be used to satisfy the course requirements for a minor.
- **Proposed Language:** All academic units may designate a block/blocks of courses outside of the student's major field of study in which the same course can be used to satisfy the course requirements in the student's major degree program and also be used to satisfy the course requirements for a minor.

Action Items

From the March 24, 2015 Minutes

Changes to the Undergraduate Minor Guidelines

The most significant changes occurred in the section on Requirements for the Program of Study. This is where most of the confusion about minors has occurred over the years.

The proposed language on the previous slide is intended to better address this current language where the explanation was in one confusing statement.

- **Current Language:** Courses required by name and number and/or used to satisfy Core Areas A through E in a student's major degree program may not be used to satisfy the course requirements for a minor. However, courses used in a minor may be used to fulfill electives (free electives, technical electives, etc.) required by the student's major degree program.

Action Items

From the March 24, 2015 Minutes

Changes to the Undergraduate Minor Guidelines

The most significant changes occurred in the section on Requirements for the Program of Study. This is where most of the confusion about minors has occurred over the years.

- **Proposed Language:** A multidisciplinary or other minor may contain courses in a student's major field of study. A maximum of 6 semester hours of such courses may be used to satisfy the course requirements for the minor, provided these courses are not also used to satisfy any course requirement in the student's major degree program.
- **Current Language:** An exception to #6 may be made in the case of a multidisciplinary minor where the Institute Undergraduate Curriculum Committee may approve the inclusion of up to 6 semester hours of courses in a student's major when their inclusion is justified as essential to meeting the stated educational objectives of the multidisciplinary minor. However, these courses cannot also be used to fulfill the requirements of the student's major.

Action Items

From the March 24, 2015 Minutes

Changes to the Undergraduate Minor Guidelines

The most significant changes occurred in the section on Requirements for the Program of Study. This is where most of the confusion about minors has occurred over the years.

- **Proposed Language:** A maximum of 6 semester hours of Special Topics courses may be included in a minor program *or* the student may complete 3 semester hours of Special Topics and 3 semester hours of *either* Special Problems or Undergraduate Research. Students may not use 6 semester hours of either Special Problems or Undergraduate Research for a minor.
- **Current Language:** No more than 3 semester hours of Special Topics courses may be included in a minor program. No more than a total of 3 semester hours of Special Problems or Undergraduate Research courses may be included in the minimum fifteen hours of a minor program.

Action Items

From the March 24, 2015 Minutes

Changes to the Undergraduate Minor Guidelines

The most significant changes occurred in the section on Requirements for the Program of Study. This is where most of the confusion about minors has occurred over the years.

- **Proposed Language:** A maximum of 3 semester hours of transfer credit may be used to satisfy the course requirements for a minor. This includes courses taken at another institution or credit earned through the AP or IB program, assuming the scores meet Georgia Tech minimum standards.
- **Current Language:** There isn't any.

Action Items

From the March 24, 2015 Minutes

Changes to the Undergraduate Minor Guidelines

The most significant changes occurred in the section on Requirements for the Program of Study. This is where most of the confusion about minors has occurred over the years.

- **Proposed Language:** All courses counting toward the minor must be taken on a letter-grade basis.
- **Proposed Language:** All courses used to satisfy the course requirements for a minor must be completed with a grade of C (2.00) or better.
- **Current Language:** All courses counting toward the minor must be taken on a letter-grade basis and completed with an overall grade-point average of at least 2.00.

Action Items

From the March 24, 2015 Minutes

Changes to the Undergraduate Minor Guidelines

The most significant changes occurred in the section on Requirements for the Program of Study. This is where most of the confusion about minors has occurred over the years.

- What has been presented represents the important changes to policy. Both the complete proposed version and the current version are available should anyone care to see both.
- There were many drafts (at least 11) and many different wording changes along the way.

Action Items

From the March 31, 2015 Minutes

School of History, Technology, and Society

- **Rename the School:**

Current name: School of History, Technology, and Society

Proposed name: School of History and Sociology

- Under this proposal, the degree names would remain unchanged, so as to reflect their specialized nature.
- Main objectives of the change:
 - Bring greater visibility to the discipline of Sociology
 - Provide greater clarity and appeal to all constituents
 - Reduce redundancy and bring us into alignment with other IAC Schools

Action Items

From the March 31, 2015 Minutes

School of History, Technology, and Society

- **Minor Modification – Minor in History**
 - Adopt the new rules regarding use of Special Topics, Special Problems, and Undergraduate Research
- **Minor Modification – Minor in Sociology**
 - Adopt the new rules regarding use of Special Topics, Special Problems, and Undergraduate Research

Action Items

From the March 31, 2015 Minutes

Department of Biomedical Engineering

- **Minor Modification – Minor in Biomedical Engineering**
 - Eliminate the course requirement “BMED/CHBE/ECE/ME/MSE 1750 or BMED 1300”. BMED/CHBE/ECE/ME/MSE 1750 is no longer being taught. BME can no longer accommodate the additional non-majors in BMED 1300.
 - Increase the “Biomedical Engineering Coursework” required from 6 to 9 hours. The additional 3 hours is needed because of the elimination of the 1750/1300 course requirement.
 - Replace APPH/BIOL 3751 with APPH/BIOL 3753 and add APPH/BIOL 3755 as an elective. The APPH/BIOL 3751 Anatomy and Physiology course is no longer being taught and has been replaced with the APPH/BIOL 3753 Anatomy and APPH/BIOL 3755 Human Physiology courses.

Action Items

From the April 14, 2015 Minutes

School of Literature, Media, and Communication

- **New Course – ENGL 0199: Support for English Composition 2-0-2**

This BOR-mandated course provides support for students taking ENGL 1101, reinforces student competencies, develops language skills, and encourages reflection.

College of Computing

- **Minor Modification – Minor in Scientific Engineering Computing**
 - Requesting to add a Minor Application with specific Minor Requirements
 - Requirements for Minor Program:
 - Must be in good academic standing
 - Received a grade of A or B in CS 1301/1315/1371
 - Received a grade of A or B in CS 1331
 - Have a minimum of four semesters (48 hours) of coursework remaining in their undergraduate degree program

Action Items

From the March 31, 2015 Minutes

College of Computing

- **Minor Modification – Minor in Scientific Engineering Computing, continued**
 - Key Differences- please also see Program of Study
 - CS 1331 prerequisite for the minor required
 - Changing requirement to add two Elective courses
 - A CS Minor application is required
 - No Special Problems or Internship coursework may be used towards the CS minor.
 - A grade of A or B is required for CS 1301/1315/1371 and CS 1331. All other minor courses must be completed with a grade of C or higher.

Action Items

From the March 31, 2015 Minutes

College of Computing

- **Minor Modification – Minor in Computational Data Analysis**
 - Requesting to add a Minor Application with specific Minor Requirements.
 - Requirements for Minor Program:
 - Must be in good academic standing
 - Received a grade of A or B in CS 1301/1315/1371
 - Received a grade of A or B in CS 1331
 - Have a minimum of four semesters (48 hours) of coursework remaining in their undergraduate degree program
 - Key Differences- please also see Program of Study
 - CS 1331 prerequisite for the minor required
 - A CS Minor application is required
 - No Special Problems or Internship coursework may be used towards the CS minor.
 - A grade of A or B is required for CS 1301/1315/1371 and CS 1331. All other minor courses must be completed with a grade of C or higher.

Action Items

From the March 31, 2015 Minutes

School of Chemical and Biomolecular Engineering

- **New Courses**

 - CHBE 4411: Process Dynamics and Control 3-0-3

 - CHBE 4412: Process Dynamics and Control Laboratory 0-3-1

- **Degree Modification** Bachelor of Science in Chemical & Biomolecular Engineering

 - Two modifications are being requested to the BSCHBE program for catalog year 2015-16 at the recommendation of the CHBE curriculum committee:

 - Separate CHBE 4400 into two classes: CHBE 4411 and CHBE 4412

 - Revise CHEM Electives

Action Items

From the March 31, 2015 Minutes

School of Chemical and Biomolecular Engineering

- **Degree Modification** Bachelor of Science in Chemical & Biomolecular Engineering, continued
 - Revise CHEM Electives
 - The diversity of industries which employ ChBE graduates continues to expand. This change would permit students to align their career preferences with chemistry electives.
 - The BSCHBE catalog for 2014-15 currently reads:
 - 3 hrs. CHEM 3412
 - 3 hrs. CHEM Elective: CHEM 3281 or CHEM 3511
 - Proposed change:
 - 6 hrs. **CHEM Electives:** Choose from CHEM 3111 or CHEM 3281 or CHEM 3412 or CHEM 3511 or CHEM 4311 or CHEM 4341 or CHEM 4511. (Cannot combine CHEM 3511 and CHEM 4511.)

Action Items

From the March 31, 2015 Minutes

School of International Affairs

- **Certificate Modification – Certificate in European Affairs**
 - The reform consolidates the European Union Certificate (separate deactivation proposal) and the European Affairs Certificate. It also updates the European Affairs Certificate to include current and anticipated course offerings.

School of Public Policy

- **New Courses**
 - PUBP 3141: Leading Social Organizations 3-0-3
- **New Courses with Social Sciences Attribute**
 - PUBP 1142: Teams and Collaboration 3-0-3
 - PUBP 2142: Teams and Collaboration in Context 3-0-3

Action Items

From the March 31, 2015 Minutes

School of Music

- **New Courses with Humanities Attributes**
 - Renumbering of courses used currently as Humanities credit for Ensemble Participation
 - MUSI 3241: Chorale 1-0-1
 - MUSI 3311: Jazz Ensemble 1-0-1
 - MUSI 3121: Concert Band 1-0-1
 - MUSI 3131: Symphonic Band 1-0-1
 - MUSI 3511: Percussion Ensemble 1-0-1
 - Renumbering and renaming of courses used currently as Humanities credit for Ensemble Participation
 - MUSI 3231: Chamber Choir (*currently Vocal Ensemble*) 1-0-1
 - MUSI 3251: Glee Club (*currently Men's Glee Club*) 1-0-1
 - MUSI 3611: Symphony Orchestra 1-0-1 (*currently University Orchestra*)

Action Items

From the March 31, 2015 Minutes

School of Music

- **New Courses with Humanities Attributes**
 - New Music Ensemble courses for Humanities credit for Ensemble Participation
 - MUSI 3261: Women's Choir 1-0-1
 - MUSI 3551: Rock and Pop Ensemble 1-0-1
 - MUSI 3531: New Music Ensemble 1-0-1
- **New Courses**
 - MUSI 3321: Jazz Combo 0-3-1
 - MUSI 3018: Marching Band 0-6-2
 - MUSI 3019: Pep Band 0-3-1

Action Items

From the April 14, 2015 Minutes

School of Biology

• New Courses

- BIOL 2694: Intern Assistantship 1-21—0—1-21
- BIOL 2695: Undergraduate Internship 1-21—0—1-21
- BIOL 4694: Intern Assistantship 1-21—0—1-21
- BIOL 4695: Undergraduate Internship 1-21—0—1-21
- BIOL 4607: Molecular Biology of Microbes: Disease, Nature, and Biotechnology 3-0-3
- BIOL 4428: Population Dynamics 3-0-3

Action Items

From the April 14, 2015 Minutes

School of Biology

- **Degree Modification – Bachelor of Science in Biology**

- Biology is requesting to update information on the Biology degree program to reflect:
 - Addition of internships (BIOL 4694-5, for pay and credit, respectively); noting that only BIOL 4695 may serve as an acceptable technical elective course for the Biology major
 - Defining 21 credits of Biology electives as 12 credits of “depth” and 9 credits of “breadth” courses

Action Items

From the April 14, 2015 Minutes

School of Building Construction

- **New Course**

 - BC 4050: Building Information Modeling for Multi-disciplinary Integration

 - 3-0-3

- **New Certificate**

 - Certificate in Construction Management

 - The certificate is designed to provide specialized education in evolving integrated management approaches to the delivery of built environment, from concept to implementation.

Action Items

From the April 14, 2015 Minutes

School of Civil and Environmental Engineering

- **Minor Modification – Minor in Leadership Studies**
 - Add a Global Engineering Track
 - The global engineering track develops leadership skills and awareness in the context of engineering pedagogy and experience
 - The global engineering track involves engineers as instructors who have served in leadership positions in a global context as practitioners and/or researchers
 - Exception: Request to use 12 hours of special topics courses in the minor for the first two years of the minor program

Action Items

From the April 14, 2015 Minutes

Scheller College of Business

- **Degree Modifications-Bachelor of Science in Business Administration**
 - Marketing Concentration (more focus on marketing courses)
 - Information Technology Management Concentration (rearrangement of
 - courses to focus on key skills expected in this area)
- **Certificate Modification-Information Technology Management**
 - Ensure that all students who earn the certificate have the required knowledge and skill base in MIS, programming, and database, while giving them options regarding where to satisfy the programming and database requirements.

Action Items

From the April 14, 2015 Minutes

School of History, Technology, and Society

- **Degree Modification – Bachelor of Science in History, Technology and Society**
 - Place a cap on the number of HTS electives that HTS majors may take pass/fail.
 - Place a limit on the number of D grades that HTS majors can count towards their required HTS electives. Would allow only one D grade.

School of History, Technology, and Society and School of Literature, Media, and Communication

- **New Minor – Minor in Social Justice**
 - The minor in Social Justice is for undergraduate students who are interested in incorporating an in-depth awareness of social issues into their fields of study and careers.

Action Items

From the April 14, 2015 Minutes

School of Literature, Media, and Communication

- **New Minor – Minor in Science Fiction Studies**
 - Minor would not be open to LMC majors.

School of Mechanical Engineering

- **New Degree Option – add Research Option**
 - Default Research Option Requirements

Minutes for Approval

- **Move to approve all action items.**
- **Move to approve all Minutes from:**
 - February 24, 2015, Petitions
 - March 3, 2015, Academic Matters
 - March 24, 2015, Special Meeting, Academic Matters
 - March 31, 2015, Academic Matters
 - April 7, 2015, Petitions
 - April 14, 2015, Academic Matters