

**Institute Graduate Curriculum Committee  
Academic Matters and Appeals (Full Committee)  
Thursday, September 3, 2015**

**Present:** Breedveld (CHBE), Ceccagnoli (CoB), Chow (CoC-CSE), Cozzens (Vice Provost-GEFD), Flowers (ARCH), Jagoda (AE), Omiecinski (CoC-CS), Pikowsky (Registrar), Schmidt-Krey (BIOL), Balch (IC-Exec Board Liaison)

**Visitors:** Laros (Registrar), Hodges (Registrar), Ghomi (MATH), Erera (ISYE), Zhou (ISYE), Miller (GSS/AE - fill in for GCC Student Rep), Bamburowski (Grad Studies)

**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.

**Note:** All votes are unanimous unless specifically noted otherwise.

**Administrative Matters**

1. Dr. Susan Cozzens informed the Committee that a doctoral degree was recently revoked. She highlighted the major facts of the case.

**Start-up Matters**

1. Dr. Victor Breedveld, CHBE, was elected Chair.
2. Dr. Benjamin Flowers, ARCH, was elected Vice Chair.
3. Reta Pikowsky was elected Secretary.
4. Dr. Paul Neitzel (ME) was nominated to serve on the Study Abroad Committee. The election will be completed at the next meeting.
5. Dr. Ingeborg Schmidt-Krey, BIOL, and Dr. Paul Neitzel (ME) will serve the Responsible Conduct of Research Subcommittee.
6. Dr. David Sluss (Scheller CoB), Dr. Baabak Ashuri (BC), and Hayriye Ayhan (ISyE) will be asked to serve on the Petitions Subcommittee. This is an important assignment especially when there is a time conflict with the 3:00 PM meeting time.
7. The meeting time of 3:00 PM on Thursday was confirmed. It is the traditional meeting time and has become the expected schedule. Those who cannot meet

- at this time will be asked to serve on Subcommittees. The Registrar will send by email the list of meeting dates and locations for the coming Academic Year.
8. A motion was made to approve the delegation of authority to the Registrar in regard to certain kinds of petitions. The motion was seconded and approved.

Delegated authority where the request is reasonable is delegated in the following areas. Should there be any question or concern, the Registrar will bring the petition forward for broader consideration.

- 7-year rule
- 6-year rule
- Readmit after the 1<sup>st</sup> drop if the major school supports
- Reasonable changes in registration for the current term
- Full graduate standing and use or normally allowed hours in Special status
- Graduate without a GPA
- Reasonable requests for credit hour adjustments, grade mode changes, etc.

### **Academic Matters**

1. The School of Industrial and Systems Engineering made a presentation on a future proposal to get feedback from the committee.

Pre-proposal: A 5-year BSIE/MSSCE Degree Program

#### ***Rationale***

Many Georgia Tech students in the B.S. in Industrial Engineering (BSIE) program are interested in a 5-year BS/MS program. Such a program will enable our undergraduate students to develop the depth of expertise required to make significant impact in industrial engineering practice, while maintaining momentum from undergraduate study.

One option would be to couple the BSIE program with our M.S. in Industrial Engineering (MSIE) graduate program. While there are some merits for doing so, there is a better approach for targeting students who wish to make impact in practice. About half of the ISyE undergraduate student population go on to careers in the supply chain engineering domain, an important sub-field of industrial engineering. In 2011, Georgia Tech began offering a specialized M.S. degree program in Supply Chain Engineering (MSSCE) designed to produce graduates with graduate-level expertise in the methodologies of industrial

engineering, operations research and statistics, deep understanding of the critical industrial and business challenges in the supply chain domain, and ability to apply engineering methods to address these critical challenges. We believe that a 5-year BSIE/MSSCE degree program provides the most added value to our BSIE student population.

Currently, ISyE has 1460 undergraduate students, 271 MS students and 130 PhD students. There are 45 Tenure Track faculty members and 3 administrative faculty members. The student faculty ratio for undergraduate alone is above 30, and when combined with the graduate student numbers, it is above 40. For these reasons, our goal is not to attract more students into ISyE programs but rather to improve the program offerings available to our undergraduates, many of whom go on into leadership roles in the supply chain area. A significant number of the ISyE faculty, 27, affiliate with the supply chain engineering research area, which allows us to offer the specialized MSSCE degree. Indeed, our programs in this area are recognized worldwide: for our undergraduate track in supply chain engineering, for the MSSCE, for the professional M.S. in International Logistics for senior managers, and for our Ph.D. in Industrial Engineering-Supply Chain Engineering track.

The MSSCE program currently is quite healthy. We attract between 125-150 applications annually, and build a class of 45-50 students. Relatively few of these incoming students to date study at U.S. undergraduate institutions, and our mix of international to domestic students is a bit high. By adding a BSIE/MSSCE option to our undergraduate curriculum, we will continue to target a total annual MSSCE graduating class of 50 students and will not increase the size of that program, but rather improve the overall quality of enrollees and thus provide greater value to the many industry partners from Georgia and nationwide that recruit our student graduates.

### ***Benefits to BSIE Students for Completing 5-year Program***

Currently, BSIE students who come back to Georgia Tech to complete the MSSCE degree are responsible for 2.5 semesters of premium tuition. Under this program, they would complete the degree with 1.5 semesters of premium tuition, and in two additional semesters rather than three.

### ***Challenges***

Since the MSSCE is a lock-step cohort program, we only offer the courses 6336-40 in Spring semesters and 6341-42 (Capstone Project) in Summer or Fall semesters. We can only admit BSIE students who graduate in Fall semesters into the program under this structure, and will need to advise students carefully.

## **Student Petitions**

1. A motion was made to approve Subcommittee actions on petitions in the following areas. The motion was seconded and approved.

The following petitions were reviewed by the Graduate Curriculum Committee Petitions Subcommittee. (All approved except where noted.)

Petitions reviewed from 06/05/15 to 09/03/15:

- 6- Term withdrawal
- 3- Selective withdrawal (**1 Denied**)

The following petitions were reviewed administratively by the Registrar's office. (All approved except where noted.)

Petitions reviewed from 4/9/15 to 06/04/15:

- 2- Late registration for the current term
- 2- Graduate without GPA
- 1- Cancel registration for the current term
- 2- 3-hour rule waiver
- 1- 7-year rule waiver
- 4- Change grade mode
- 11- Full graduate standing
- 1- Registration adjustment
- 1- 6-year rule waiver
- 5- Readmit after first drop (**1 Denied**)
- 3- Term withdrawal (with full documentation)
- 2- Selective withdrawal (with full documentation)
- 1- Allow extra term to finish degree
- 2- Course substitution
- 2- Readmit after second drop
- 1- Use excess pass-fail hours toward degree

Adjourned,

Reta Pikowsky  
Registrar