

**Georgia Institute of Technology**  
**Graduate Curriculum Committee**  
**Minutes**  
**November 1, 2012**

**Present:** Flowers (ARCH), Pikowsky (Registrar), Jagoda (AE), Ferri (ECE), Storici (BIOL), Mazalek (LCC), Dickson (CHEM), Kvam (ISyE), Van Ittersum (CoB), Jayaraman (MSE), Ladshaw (Student Rep)

**Visitors:** Laros (REG), Merkousko (REG), Sullivan (BMED), Simon (CEE), Webster (CEE), Benkeser (BMED), Bracco (EAS)

**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. A motion was made to **approve** a request by the School of Earth and Atmospheric Sciences for a new course. The motion was seconded and approved.

**New Course – Approved**

EAS 6000 Introduction to Research & Ethics                      1-0-1

2. A motion was made to **approve** a request by the Department of Biomedical Engineering for degree modifications, new courses, and course deactivations. The motion was seconded and approved.

**Degree Modifications - Approved**

Doctor of Philosophy with a major in Biomedical Engineering  
Joint GT and Emory Program

- Change in ethics requirement from Emory's IBS 606 to GT's PHIL 6010 to fulfill GT's RCR (Responsible Conduct for Research) and Emory's PSI 600 to fulfill Emory's PSI (Program for Scholarly Integrity) requirements.
- Correction to TATTO I course from previously listed 1 credit hour to actual 2 credit hours.
- Change in name of second and third teaching training courses to reflect actual use of courses for teaching practicum (versus latter phases of Emory TATTO series). Thus, BMED 8696 TATTO II and BMED 8697 TATTO III will be deactivated while BMED 7002 Teaching Practicum I and BMED 7003 Teaching Practicum II will be added.

- Updated overall credit hours to 37 due to the changes mentioned.

### **Master of Science in Biomedical Engineering Joint GT/Emory Program**

The MS curriculum is intended as an option for students who either fail to meet the requirements for or choose to leave the PhD program.

- **Integrative Core** (two courses required=6 hours)
- **Engineering/Bioscience Fundamentals** (18 hours minimum)
- **Advanced Graduate Seminar** (one 3–5hour course required)

Additional course requirements include:

- **Ethics Series** (2 hours)
- **Teaching Series** (2+1 hours)
- **BMED Seminar Series** (4 semesters @ 1 hour / semester)
- **9 hour academic minor** (typically met using Eng/Bio Fund's courses)

The resulting total minimum number of required hours is 36. It is anticipated (although not required) that students may take other elective coursework to fulfill the requirements of their individual research projects and/or training grants.

### **Doctor of Philosophy with a major in Biomedical Engineering Joint GT/Emory/PKU Program**

Update curriculum to match the current DR-BMED program. Previous version of DR-BMEJ was approved before the DR-BMED curriculum changed and the latter is being revised again

- **Integrative Core** (two courses required=6 hours)
- **Engineering/Bioscience Fundamentals** (18 hours minimum)
- **Advanced Graduate Seminar** (one 3–5hour course required)

Additional course requirements include:

- **Ethics Series** (2 hours)
- **Teaching Series – TATTO I (Emory) & Teaching Practicum I & II** (2+1+1 hours)
- **BMED Seminar Series** (4 semesters @ 1 hour / semester)
- **9 hour academic minor** (typically met using Eng/Bio Fund's courses)
- **Global Perspectives (specific courses to be approved by BME Graduate Committee, one course at each campus—Atlanta & Beijing)** (3+3 hours)
- **Chinese Language (CHIN 1001, 1002, or exemption by Modern Languages)** (0-4 hours)

The resulting total minimum number of required hours is 43. It is anticipated (although not required) that students may take other elective coursework to fulfill the requirements of their individual research projects and/or training grants.

### **Course Deactivations – Approved**

BMED 8696: TATTO Stage II

BMED 8697: TATTO Stage III

These courses are to be deactivated effective Spring 2013.

### **New Courses – Approved**

BMED 7002: Teaching Practicum I 0-3-1

BMED 7003: Teaching Practicum II 0-3-1

BMED 7013: Integrative Core-Problem Solving with  
Computational Models 3-0-3

BMED 7201: Advanced Seminar-Cardiovascular Biology  
& Biomechanics 3-0-3

BMED 7310: Stem Cell Engineering 3-0-3

### Administrative Item:

1. A motion was made to approve a memorandum addressed to the Provost's Office recommending a policy related to the content of the diploma. The motion was seconded and approved.

As a follow up to the March 16, 2012 memorandum that summarized the discussion of the Curriculum Committees on proposed changes to the GT diploma, the Committee Chairs offer the following official proposal to the Provost. If accepted by the Provost's Office, the following will be noted as the official policy going forward related to the content of the diploma.

#### Policy Statement

The information that is included on the GT diploma as of this date will remain. There will be no changes made to the diploma going forward. Although there is some concern about too much information being part of the Undergraduate diploma as it now stands, the policy is to not remove any content that was approved in the past. The policy is to maintain the status quo.

#### Pending Requests

The pending requests, including that from the International Plan to add language proficiency information, are denied. However, the language proficiency related to the International Plan will be added to the transcript.

#### Procedure

Any future discussion related to the content or appearance of the GT diploma must be vetted through both Curriculum Committees and the Provost's Office.

## Student Petitions

1. A motion was made to approve the recommendations of the Petitions Subcommittee for requests in the following areas. The motion was seconded and approved.

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

- 2- Change grade mode
- 2- Selective withdrawal
- 1- Term withdrawal (**Denied**)

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

- 9- Full Graduate Standing
- 1- Readmit after first drop
- 4- Register late
- 1- Increase registered hours for FA12 course
- 1- Change registration
- 1- Remove Co-op registration
- 1- Waive the number of full time semesters required
- 1- Return SP13 after withdrawing Fall 2012

2. A motion was made to approve a blanket petition for students in the BS/MS program in Civil Engineering to be allowed to complete as many as 18 hours graduate level coursework while in undergraduate status. (12 hours taken as an undergraduate but not used toward their BS degree and 6 hours under the Graduate Course Option and applied to both degrees)

The School has made certain that none of its publications is confusing in this regard and stated that the list of students included with the petition represents a broad sweep of who might need the exception, but the likelihood is that they will all not need it. The advisors in CE are now being clear with students about this aspect of the BS/MS curriculum.

Adjourned,

Reta Pikowsky  
Registrar