

Georgia Institute of Technology
Graduate Curriculum Committee
Minutes
September 2, 2010

Present: Babensee (BME), Pikowsky (Registrar), Storici (BIO), Potts (Grad Studies), Clarke (CoM), Flowers (ARCH), Goldsman (ISYE), Mazalek (LCC), Silva (ECON), Singhal (MGT)

Visitors: Laros (Registrar), Howson (Registrar), Senft (Registrar), Paraska (Provost), Allen (ARCH), Castro (BC), White (CoC), Teja (Chbe), Cozzens (IAC), Berthelot (ECE)

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.

Administrative Matters

1. Dr. Julia Babensee was elected Chair for AY 10-11. Dr. Jonathan Clarke was elected Vice-Chair for AY 10-11.
2. The meeting schedule for Thursday at 3:00 PM was approved. The Registrar's Office will provide a meeting schedule and update the web sites.

Academic Matters

1. A presentation was made by Doug Allen, Senior Associate Dean, and Dr. Daniel Castro-Lacouture, Interim Chair of Building Construction on the changes that have occurred within the College of Architecture with the establishment of the schools as of January 1, 2010.

The presentation was made to let the Committee know of the upcoming proposal for a Doctor of Philosophy with a major in Building Construction degree. The projected date to officially present this proposal to the GCC is January 2011.

2. A motion was made to approve a request from the School of Computer Science for a new dual degree. The motion was seconded and approved.

New External Degrees: Georgia Institute of Technology - Ecole Supérieure d'Ingénieurs en Electrotechnique et Electronique (ESIEE) Dual Degree Program (MSCS)

- Curriculum

The GT MS-CS degree is a 36-hour program of which all credits must be grade-based and up to nine (9) hours may be considered for transfer of credit. To satisfy this, ESIEE students will complete the following:

REQUIREMENT	HOURS	COMMENTS
Graduate-level (6000-8000) CS Hours-Required	6	Three hours each of Systems and Theory are required. [Systems:CS6210, 6241, or CS6290; and Theory: CS6505 or CSE 6140]
Specialization Hours	6	Specialization—must choose one of 12 available areas and complete six (6) hours.
Remaining Hours	15	Six (6) hours must be in CS 6000-8000 level. One (3 hrs) course outside of CS. Special Problems (3) (CS 8903). Only one 4000-level (3 hrs).
Transfer Credits (6000 level)	9	As verified from official transcripts.
Total hours required:	36	

Students enrolled in this double degree program must fulfill the requirements that have been approved by the governing faculty bodies of Georgia Tech and as stated in the GT General Catalog as well as the College of Computing (CoC) information in order to receive academic credit for coursework completed at GT Atlanta and GT Lorraine.

The ESIEE standards apply with regard to the award of academic credit toward the award of the Diplôme d'Ingénieur. The College's Office of Graduate Affairs faculty and staff verify student's plan of study as well as review and verify coursework and ESIEE student transcripts when determining transfer of credit toward the GT MS-CS degree.

The curriculum study schedule for ESIEE students requires 20 months to complete as follows:

- **Fall Semester** Year N: ESIEE students admitted to GT and attend courses at ESIEE to satisfy the upper-level (master equivalent) requirements of the Diplôme d'Ingénieur. *(Nine of these hours completed will be considered for transfer of credit toward GT MS-CS degree.)*
- **Spring Semester** Year N+1: ESIEE students study at the GT Lorraine campus as full-time students taking courses for the GT MS-CS program. *(Complete 12 GT MS-CS hours.)*
- **Summer – Fall** Year N+1: ESIEE students complete the industrial internship required for award of the Diplôme d'Ingénieur. *(None of these hours are considered for transfer of credit toward GT MS-CS degree.)*

- **Spring Semester** Year N+2: ESIEE study at the Georgia Tech Atlanta campus to complete their academic curriculum and graduate with the GT MS-CS degree. *(Complete 15 hrs toward GT MS-CS degree.)*

Table 1: Study Schedule for ESIEE Students

Fall Year N	Spring Year N+1	Summer - Fall Year N+1	Spring Year N+2
ESIEE	GT Lorraine	Industrial internship	GT Atlanta
9 SCH for transfer	12 SCH	0 SCH	15 SCH

3. A motion was made to approve a request from the School of Chemical and Biomolecular Engineering for a new course pending verification of the undergraduate version and the difference between the two. The motion was seconded and approved.

New Course:

CHBE 6710: Microfluidics & Applications 3-0-3

Note: The following clarification was added to item #9 on the New Course Proposal Form to address the pending items indicated in the motion to approve.

Is this course equivalent to another course (graduate or undergraduate) taught at Ga. Tech?
Yes

If yes, list course number(s): CHBE 4710

ChBE 6710 will have different homework assignments (requiring more mathematical or in-depth engineering analysis) compared with assignments for ChBE 4710. The exams will have different and lengthier questions in some instances. The two classes will be graded on separate scales.

4. A motion was made from the College of Management for new courses. Two of the courses were seconded and approved and one was tabled.

New Courses: Approved

6113: ProBono Non-Profit Consulting Projects 3-0-3

7501: Managerial Econometric Modeling 3-0-3

New Course: Tabled

6043: Advance Financial Reporting 3-0-3

Note: This course was proposed to be joint-listed with a proposed undergraduate course, MGT 4043. The graduate version, MGT 6043, was tabled until the undergraduate version has been reviewed by the IUCC.

- A motion was made from the College of Management for degree modifications. The motion was seconded and approved.

Degree Modification: Master of Business Administration

The College of Management requests that MGT 6120 and MGT 6121 be removed from the MBA core curriculum and MGT 6000 substituted. This change applies also to the MBA for those majors taking it as a dual major.

In 2002, the MBA curriculum was modified so that a required core course (MGT 6000 Financial and Managerial Accounting, 3 credit hours) was split into two core courses (MGT 6120 Financial Accounting, 1.5 credit hours and MGT Managerial Accounting, 1.5 credit hours).

After teaching these classes for seven years, the faculty has decided that pedagogically the subject matter is better covered in a single class versus two. Combining the classes eliminates one exam and allows for more class discussion and lecture time. This substitution will not affect content of the program or change the number of credit hours for the degree.

Study Plan for Master of Business Administration:

FIRST YEAR - FALL	COURSE TYPE	COURSE HRS	LOCATION	MODALITY	TOTAL SEM HRS
MGT 6000 Financial and Managerial Accounting I	R	3	GT-ATL	CL	3
MGT 6060 Financial Management	R	3	GT-ATL	CL	3
MGT 6100 Leadership and Organizational Behavior	R	3	GT-ATL	CL	3
MGT 6123 Information Technology Management	R	2	GT-ATL	CL	2
MGT 6127 Business Communications	R	1	GT-ATL	CL	1
MGT 6600 Analytical Tools for Decision Support	R	3	GT-ATL	CL	3
MGT 8811 MBA Career Development Workshop	R	Audit	GT-ATL	CL	Audit
					15
FIRST YEAR - SPRING	COURSE TYPE	COURSE HRS	LOCATION	MODALITY	TOTAL SEM HRS
MGT 6125 Strategic Management	R	2	GT-ATL	CL	2
MGT 6126 Integrative Management Experience	R	1	GT-ATL	CL	1
MGT 6130 Managerial Economics	R	1.5	GT-ATL	CL	1.5
MGT 6131 Macroeconomics of Business	R	1.5	GT-ATL	CL	1.5
MGT 6300 Marketing Management	R	3	GT-ATL	CL	3
MGT 6350 Operations Management	R	3	GT-ATL	CL	3
MGT 6-8 XXX Graduate Management International Elective	R	3	GT-ATL	CL	3
					15

SECOND YEAR - FALL	COURSE TYPE	COURSE HRS	LOCATION	MODALITY	TOTAL SEM HRS
MGT 6124 Legal Environment of Business	R	2	GT-ATL	CL	2
MGT 6128 Business Ethics	R	1	GT-ATL	CL	1
MGT 6-8 XXX Graduate Management Elective	R	3	GT-ATL	CL	3
MGT 6-8 XXX Graduate Management Elective	R	3	GT-ATL	CL	3
MGT 6-8 XXX Graduate Management Elective	R	3	GT-ATL	CL	3
					12
SECOND YEAR - SPRING	COURSE TYPE	COURSE HRS	LOCATION	MODALITY	TOTAL SEM HRS
MGT 6-8 XXX Graduate Management Elective	R	3	GT-ATL	CL	3
MGT 6-8 XXX Graduate Management Elective	R	3	GT-ATL	CL	3
MGT 6-8 XXX Graduate Management Elective	R	3	GT-ATL	CL	3
MGT 6-8 XXX Graduate Management Elective	R	3	GT-ATL	CL	3
					12
TOTAL					54

Study Plan for Master of Business Administration – Dual Degree Option

Note: It is the expectation of the Graduate Committee that requirements for dual degree programs will be completed concurrently. This is the only means by which it can be accurately determined which courses were allowed to double-count and whether requirements have been met for both programs. This will be a future discussion for this College of Management Program that has operated differently in the past.

FIRST YEAR - FALL	COURSE TYPE	COURSE HRS	LOCATION	MODALITY	TOTAL SEM HRS
MGT 6000 Financial and Managerial Accounting I	R	3	GT-ATL	CL	3
MGT 6060 Financial Management	R	3	GT-ATL	CL	3
MGT 6100 Leadership and Organizational Behavior	R	3	GT-ATL	CL	3
MGT 6123 Information Technology Management	R	2	GT-ATL	CL	2
MGT 6127 Business Communications	R	1	GT-ATL	CL	1
MGT 6600 Analytical Tools for Decision Support	R	3	GT-ATL	CL	3
MGT 8811 MBA Career Development Workshop	R	Audit	GT-ATL	CL	Audit
					15

FIRST YEAR - SPRING	COURSE TYPE	COURSE HRS	LOCATION	MODALITY	TOTAL SEM HRS
MGT 6125 Strategic Management	R	2	GT-ATL	CL	2
MGT 6126 Integrative Management Experience	R	1	GT-ATL	CL	1
MGT 6130 Managerial Economics	R	1.5	GT-ATL	CL	1.5
MGT 6131 Macroeconomics of Business	R	1.5	GT-ATL	CL	1.5
MGT 6300 Marketing Management	R	3	GT-ATL	CL	3
MGT 6350 Operations Management	R	3	GT-ATL	CL	3
MGT 6-8 XXX Graduate Management International Elective	R	3	GT-ATL	CL	3
					15
SECOND YEAR - FALL	COURSE TYPE	COURSE HRS	LOCATION	MODALITY	TOTAL SEM HRS
MGT 6124 Legal Environment of Business	R	2	GT-ATL	CL	2
MGT 6128 Business Ethics	R	1	GT-ATL	CL	1
MGT 6-8 XXX Graduate Management Elective	R	3	GT-ATL	CL	3
MGT 6-8 XXX Graduate Management Elective	R	3	GT-ATL	CL	3
					9
TOTAL					39

Degree Modification: Master of Science with a Major in Management

Upon Georgia Tech’s transition from the quarter system to the semester system in 1998, the graduate management degree programs were changed accordingly. The then 1998 version of the MS with a major in Management 36-hour program offered by the College of Management was included in the semester updates. However, that 1998 curriculum was never instituted and a number of courses have been deactivated. As recently as Spring 2010, students graduated with an MS with a major in Management degree from the College of Management with the curriculum that the College has in place as shown in this proposal. This particular degree flexibility fits the needs of a variety of graduate students, including students from France and South Korea here to receive a one-year MS degree. Students who have also received this degree in the past were PhD students who for one reason or another did not complete the PhD degree program at Tech. The curriculum for these students varies depending on their academic background at Georgia Tech and their career goals.

During a review of curriculum for the update of the GT General Catalog, it was discovered that the current MS degree program curriculum had not been reviewed and approved by the Institute faculty committees. As a result, the College of Management faculty requests the approval of the current program for the Master of Science with a major in Managements degree program—refer to the Study Plan. *Please note the current program is 30 semester hours, and not 36.

FIRST YEAR - FALL	COURSE TYPE	COURSE HRS	LOCATION	MODALITY	TOTAL SEM HRS
MGT 6-8xxx Graduate Management Elective	R	3	GT-ATL	CL	3
MGT 6-8xxx Graduate Management Elective	R	3	GT-ATL	CL	3
MGT 6-8xxx Graduate Management Elective	R	3	GT-ATL	CL	3
MGT 6-8xxx Graduate Management Elective	R	3	GT-ATL	CL	3
MGT 6-8xxx Graduate Management Elective	R	3	GT-ATL	CL	3
					15
FIRST YEAR - SPRING	COURSE TYPE	COURSE HRS	LOCATION	MODALITY	TOTAL SEM HRS
MGT 6-8xxx Graduate Management Elective	R	3	GT-ATL	CL	3
MGT 6-8xxx Graduate Management Elective	R	3	GT-ATL	CL	3
MGT 6-8xxx Graduate Management Elective	R	3	GT-ATL	CL	3
MGT 6-8xxx Graduate Management Elective	R	3	GT-ATL	CL	3
MGT 6-8xxx Graduate Management Elective	R	3	GT-ATL	CL	3
					15
TOTAL					30

6. A motion was made for a clarification on the Policy on Graduate Level Status of Master's vs Ph.D. The motion was seconded and approved.

Proposed Policy on Graduate Degree Level

The "level" of an enrolled graduate student, Master's or Ph.D, should indicate the ultimate degree being sought by the student. The purpose of this indicator is to provide the Institute with an accurate count of the number of students at Georgia Tech who are "PhD-seeking." This indicator is also used to validate a student's degree-seeking status when the institute considers awards, nominations, eligibility for funding opportunities, and similar programs only available to Ph.D. students. The school makes the initial entry of this indication.

A Ph.D. level student is a student who satisfies either of the following two conditions:

- The student was admitted directly to a Ph.D. program
- The student is registered for MAJR 9000 (Ph.D. dissertation hours)

In either of these cases, the "level" designation in Banner should be "Ph.D."

In particular:

- A student may be admitted directly as a Ph.D.-level student. There is no need to initially admit the student as a M.S. student if a Ph.D. is their ultimate sought degree.
 - Programs should not use the **Ph.D. level** as an indication of **Ph.D. candidacy**; the two are quite distinct. Ph.D. candidacy is described in the General Catalog and occurs at a more advanced stage of graduate study.
 - Programs should not use a change of level from M.S. to Ph.D. as simply an indication of satisfying a Ph.D.-program-specific milestone. If the student is seeking a Ph.D., the student's level should be indicative of that fact.
 - M.S. level student should not be enrolled in MAJR 9000 -- such an action suggests that the level is not an appropriate indicator of the student's sought degree.
 - The minimum stipend policy, which defines minimum graduate student stipends for M.S. and Ph.D. students, will utilize this designation.
7. A discussion of the possibility of using 5000 level courses was raised by the Registrar's Office. The use of a 5000 number has come up in the past and possibly presents a better way to handle "transition courses" that bridge undergraduate and graduate studies. The Committee wondered whether this would actually result in inefficient use of resources with faculty spread out over a wider range of course numbers, which might also lead to confusion within the courses themselves. The possibility was also raised with the Undergraduate Curriculum Committee since there would be impact on 4000 level classes. The Registrar's Office will consider the discussion from both Committees and put the issue back on the agenda if deemed advisable.
8. A motion was made to approve the Programs Reviews in the following areas pending final editorial review by Dr. Babensee. The motion was seconded and approved.

Program Reviews were accepted in the following areas as indicated above:

- Literature, Communication, and Culture
- Earth and Atmospheric Sciences
- Chemistry & Biochemistry
- Materials Science and Engineering
- Paper Science and Engineering
- Biology
- Electrical and Computer Engineering

Student Petitions

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

All petitions approved except where noted.

- 1 Extension of degree petition (**1 Denied**)
- 4 Selective withdrawal
- 1 Term withdrawal
- 1 Complete degree with 49 hours (**1 Denied**)
- 1 Stay in MS program with low GPA (**1 Denied**)
- 1 Waive minor requirement

Administrative

- 17 Request full Graduate Standing
 - 25 Use excess pass/fail classes to meet degree requirements
 - 8 Six-year rule waivers
 - 2 Fix registration errors
 - 2 Use 9000-level courses as 7000-level courses to meet MS degree requirements
 - 1 Reinstate degree petition
 - 1 Seven-year rule waiver
 - 1 Waive two- term enrollment rule
 - 1 Readmit after first drop
 - 1 Be allowed to graduate with two one credit terms
2. A motion was made to deny a written appeal from a student for a late term withdrawal from Fall 2008. The motion was seconded and approved.

Adjourned,

Reta Pikowsky
Registrar