

**Georgia Institute of Technology**  
**Graduate Curriculum Committee**  
Minutes  
**February 5, 2015**

**Present:** Breedveld (ChBE), Cozzens (Vice Provost), Jagoda (AE), Pikowsky (Registrar), Koh (Student Representative), Flowers (ARCH), Ashuri (BC), Ceccagnoli (CoB), Macrakis (HTS), Schmidt-Krey (BIOL), Sluss (CoB)

**Visitors:** Laros (Registrar), Hodges (Registrar), Bamburowski (Grad. Studies), Tucker (ARCH), Gentry (ARCH), Dagenhart (ARCH), Scott (CoB), Singhal (CoB), Khan (ARCH), White (CoC), Isbell, (CoC), Kohl (ChBE), Williams (ECE), Sharp (GEFA), Zhou (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. Substantive change requests also require approval by our regional accrediting body (SACSCOC). These types of changes relate to international programs, new modes of instruction, and other conditions identified on the SACSCOC web site (<http://www.sacscoc.org/SubstantiveChange.asp>).

**Academic Matters**

1. A motion was made to *approve* a request from the College of Business for new courses, a degree modification, and a course deactivation. The motion was seconded and approved.

**New Courses – Approved**

MGT 6507: Business Communications	1.5-0-1.5
MGT 6726: Privacy, Technology, Policy and Law	3-0-3

Note: MGT 6726 will be cross-listed with CS 6726.

**Degree Modification – Approved**

Master of Business Administration

Modification of the MBA Program to allow more MBA electives to be offered in an earlier timeframe and to provide an opportunity to develop students' soft skills. We are changing the ratio of core to elective classes from 30/24 to 21/33 to allow students to take more electives and to have greater depth in their elective concentrations.

- Total credit hours for the modified curriculum will not be changed and will remain at 54.
- The new curriculum reduces most MBA core courses to 1.5 hours. The majority of core classes will be taken during the students' first semester, allowing them earlier exposure

to the functional areas of business. Pushing the majority of core to the first semester allows students to take electives earlier to support their search for summer internships or career moves.

- All 1.5 hour courses are taught for three hours per week for 7 1/2 weeks.

### Current MBA Curriculum

### Proposed MBA Curriculum

#### **Hours Required: 54**

##### Core – 30 hrs.

MGT 6000 Financial & Managerial Accounting (LG) 3 hrs.  
 MGT 6060 Financial Management (LG) 3 hrs.  
 MGT 6100 Leadership & Organizational Behavior (LG) 3 hrs.  
 MGT 6123 Information Technology Management (LG) 2 hrs.  
 MGT 6124 Legal Environment of Business (LG) 2 hrs.  
 MGT 6125 Strategic Management (LG) 2 hrs.  
 MGT 6126 Integrative Management Experience (LG) 1 hr.  
 MGT 6127 Business Communications (PF) 1 hr.  
 MGT 6128 Business Ethics (LG) 1 hr.  
 MGT 6130 Managerial Economics (LG) 1.5 hrs.  
 MGT 6134 Managerial Economics II (LG) 1.5 hrs.  
 MGT 6300 Marketing Management (LG) 3 hrs.  
 MGT 6350 Operations Management (LG) 3 hrs.  
 MGT 6600 Analytical Tools for Decision Support (LG) 3 hrs.  
 MGT 6510 Leadership Assessment Workshop (PF) 1.5 hrs.  
 MGT 6510P Leadership Assessment Preparation (NC)

#### **Hours Required: 54**

##### Core – 21

MGT 6000 Financial & Managerial Accounting (LG) 3 hrs.  
 MGT 6504 Principles of Finance (LG) 1.5 hrs.  
 MGT 6502 Leading People and Organizations (LG) 1.5 hrs.  
 MGT 6503 Managing Information Resources (LG) 1.5 hrs.  
 MGT 6509 Legal & Ethical Considerations in Business (LG) 1.5 hrs.  
 MGT 6508 Strategic Management (LG) 3 hrs.  
 MGT 6507 Business Communications (PF) 1.5 hrs.  
 MGT 6506 Managerial Economics (LG) 1.5 hrs.  
 MGT 6505 Marketing Management (LG) 1.5 hrs.  
 MGT 6501 Operations Management (LG) 1.5 hrs.  
 MGT 6500 Analytical Tools for Decisions (LG) 1.5 hrs.

##### Electives – 24 hrs.

Graduate Management Elective (LG) 3 hrs.  
 Graduate Management Elective (LG) 3 hrs.  
 Graduate Management Elective (LG) 3 hrs.  
 Graduate Management Elective (LG) 3 hrs.  
 Graduate Management Elective (LG) 3 hrs.  
 Graduate Management Elective (LG) 3 hrs.  
 Graduate Management Elective (LG) 3 hrs.  
 International Management Elective (PF) 3 hrs.  
 Graduate Management Elective (LG) 3 hrs.  
 Graduate Management Elective (LG) 3 hrs.  
 Graduate Management Elective (PF) 3 hrs.

##### Electives – 33 hrs.

International Graduate Management Elective (LG) 3 hrs.  
 Experiential Graduate Management Elective (LG) 3 hrs.  
 Graduate Management Elective (LG) 3 hrs.  
 Graduate Management Elective (LG) 3 hrs.  
 Graduate Management Elective (LG) 3 hrs.  
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 Graduate Management Elective (LG) 3 hrs.  
 Graduate Management Elective (LG) 3 hrs.

#### **Course Deactivation – Approved**

MGT 6773 High-Tech Ventures

Because of the similarity in content between MGT 6789 and MGT 6773, the Strategic Management area would like to deactivate MGT 6773 High-Tech Ventures.

2. A motion was made to *approve* a request from the College of Computing for a new course and for a degree modification. The motion was seconded and approved.

#### **New Course – Approved**

CS 6726: Privacy, Technology, Policy, and Law

3-0-3

Note: CS 6726 will be cross-listed with MGT 6726.

### Degree Modification – Approved

#### Master of Science in Computer Science

- Reduce the total number of credit hours required for the MSCS degree from 36 to 30.
- Each concentration will now include at least 15 credit hours of Core and Elective classes. This is an increase from the current minimum of 12 credit hours and is intended to ensure greater depth in each concentration.
- The five concentrations in which most courses are taught by faculty in the School of Computer Science — Architecture, Databases and Software Engineering, Information Security, Networking, and Systems — be dropped and be replaced by a specialization in Computing Systems.

#### Currently Approved vs. Proposed Program Curriculum

<http://catalog.gatech.edu/colleges/coc/cs/grad/master/mscs.php>

**Course option:** This option requires the student to complete ~~36~~ 30 hours of coursework.

Total Course Credit Hours ~~36~~ 30

Minimum Credit Hours in CS and CSE 24

Minimum Credit Hours (6000–8000 Level) in CS and CSE ~~18~~ 24

Minimum Credit Hours (6000–8000 Level) ~~18~~ 24

**Project option:** This option requires the student to complete ~~27~~ 21 hours of coursework and a 9-hour project. The project requires approval by a faculty advisor and the MS program coordinator in the semester prior to its inception.

Total Credit Hours ~~36~~ 30

MS Project Hours 9

Total Course Credit Hours ~~27~~ 21

Minimum Credit Hours in CS and CSE ~~24\*~~ 15\*

Minimum Credit Hours (6000–8000 Level) in CS and CSE ~~18\*~~ 15\*

**Thesis option:** This option requires the student to complete 18 hours of coursework and a 12-hour thesis. The thesis process is defined elsewhere in this catalog.

Total Credit Hours ~~36~~ 30

~~MS Thesis Hours 12-hour~~ MS Thesis Hours 12

Total Course Credit Hours ~~24~~ 18

Minimum Credit Hours in CS and CSE ~~24\*~~ 15\*

Minimum Credit Hours (6000–8000 Level) in CS and CSE ~~18\*~~ 15\*

\* May not include MS project or thesis hours.

See Degree Modification Proposal 4692 for details on each concentration.

3. A motion was made to *approve* a request from the School of Electrical and Computer Engineering for new course. The motion was seconded and approved.

**New Course – Approved**

ECE 7056: GT-TU                      Audit only                      12-0-12

Note: This is a non-billable course for GT-Shenzhen students who are also graduate students at Tianjin University during terms when they are not taking other Georgia Tech courses.

4. A motion was made to *table* a request from the School of Chemical and Biomolecular Engineering for new course. The motion was seconded and approved.

**New Course – Tabled**

CHBE 6050: The Science and Engineering of Microelectronic Fabrication                      3-0-3

Note: This course was tabled but can be resubmitted for approval once an additional faculty member is added to the list of possible instructors.

5. A motion was made to *approve* a request from the School of Architecture for new courses, a degree modification, and course deactivations. The motion was seconded and approved.

**New Courses – Approved**

ARCH 6251: Building Structures I	2-3-3
ARCH 6252: Building Structures II	2-3-3
ARCH 6069: Advanced Architectural Design Studio I	1-15-6
ARCH 6070: Advanced Architectural Design Studio II	1-15-6

Requesting to approve new Arch 6069 and 6070 Advanced Architectural Design Studio I and II to replace deactivated Arch 6051 and 6052 Options Studio I and II. No content changed in these courses; it was a name change only. Students will not be allowed to get credit for both the old and new versions of the course. Since these courses are set up with “permit only” access during registration, the School will ensure that students who already took the old versions will not be allowed to register again in the new versions. The word “advanced” will be spelled out on the NCPs so that it will appear as such on the transcript.

**Course Deactivation – Approved**

ARCH 6051: Options Studio I  
ARCH 6052: Options Studio II

**Degree Modification – Approved**

Master of Architecture

In summary, we are requesting to

- Rename two Professional Studio courses, no content change
- Consolidate the current 3 course Structures sequence into 2 Graduate level courses

- Eliminate Practice of Architecture II (Arch 6316) as a required course in the Master of Architecture curriculum and replace it with a menu of practice-focused electives requiring the student to choose one 3 hour practice focused elective to complete the sequence. This change will allow more flexibility of choice for the student, dependent upon his/her career goals, and will ensure that the topics remain relevant to the profession. These changes will result in a reduction in required hours in the degree program from the current 108 to 102, while although still high, this hour load requirement puts our program more in line with our peer institutions.

**Proposed Master of Architecture Curriculum**

<b>Studios</b>		
Arch 6024	Core Studio I	5 Credit hours
Arch 6026	Core Studio II	5 Credit hours
Arch 6027	Core Studio III	5 Credit hours
Arch 6069	Advanced Arch Design I	6 Credit hours
Arch 6070	Advanced Arch Design II	6 Credit hours
	Design + Research Studio	
Arch 6071	I	6 Credit hours
	Design + Research Studio	
Arch 6072	I	6 Credit hours
		39 Hours
<b>Media + Modeling</b>		
Arch 6470	Modeling + Media I	3 Credit hours
Arch 6472	Modeling + Media I	3 Credit hours
Arch 6474	Modeling + Media III	3 Credit hours
		9 Hours
<b>Building Technology</b>		
	Construction Technology	
Arch 6229	I	3 Credit hours
Arch 6351	Environmental Systems I	3 Credit hours
<del>Arch 3241</del>	<del>Fundamentals of Structures</del>	<del>3 Credit hours</del>
	Environmental Systems	
Arch 6352	II	3 Credit hours
	Construction Technology	
Arch 6230	II	3 Credit hours
	Architectural Structures	
Arch 6252	II	3 Credit hours
Arch 6251	Architectural Structures I	3 Credit hours
		18 Hours

**History/Theory/Practice**

Arch 6105	History of Architecture I	3 Credit hours
Arch 6106	History of Architecture II	3 Credit hours
COA 6151	History of Urban Form	3 Credit hours
Arch 6350	Theory of Architecture I	3 Credit hours
Arch 6352	Theory of Architecture II	3 Credit hours
Arch 6315	Practice of Architecture I	3 Credit hours
	<del>Practice of Architecture</del>	
<del>Arch 6316</del>	<del>II</del>	<del>3 Credit hours</del>
	Practice- Focused	
Arch 6XXX	Elective	3 Credit hours
		21 Hours

**Professional Electives** 15 Hours

**TOTAL Hours for Degree** 102 Hours

6. Administrative Item: RCR Subcommittee

**RCR Committee roster, Spring 2015**

<b>Name</b>	<b>Program</b>	<b>Joined</b>	
Barker, Shannon	CoE (BME)	Fall 2014	
Black, Robert	CoS (EAS)	2011	
Butera, Robert	CoE (BME)	2011	Chair
Church, Bryan	CoB	Fall 2012	
Donnell, Jeffrey	CoE (ME)	Fall 2014	
Fahrni, Christoph	CoS (CHEM)	Fall 2014	
Foley, James	<b>CoC/IGCC</b>	Fall 2012	
Leigh, Nancey	CoA	Fall 2013	
Milam, Valeria	CoE (MSE)	2011	
		Spring	
Neitzel, Paul	<b>CoE/IGCC (ME)</b>	2015	
Nitsche, Michael	IAC	Fall 2012	
Winders, William	IAC	Fall 2014	
		Spring	
Bamburowski, David	VPGEFA (ex officio)	2015	
Powell, Michelle	OSP (ex officio)	2011	
	PUBP/VPGEFA (ex	2011	
Borenstein, Jason	officio)		
Willis, Judy	VPGEFA/OSP (ex officio)	2011	Scribe

7. Student Petitions

**The following petitions were reviewed by the Graduate Curriculum Committee Petition Subcommittee. (All approved except where noted) Petitions reviewed from 11/7/14 to 02/05/15.**

- 4- Term withdrawal (**1 Denied**)
- 10- Selective withdrawal (**1 Denied**)
- 1- Grade mode change

**The following Appeals were reviewed by the Graduate Curriculum Committee Petition Subcommittee. (All approved except where noted) Petitions reviewed from 11/7/14 to 02/05/15.**

- 1- Term withdrawal

**The following petitions were reviewed administratively by the Registrar's office. (All approved except where noted) Petitions reviewed from 11/7/14 to 02/05/15.**

- 2- Late registration for current term
- 1- Count courses while taken on Special status toward degree
- 1- Count Special Development Course toward degree (**1 Denied**)
- 3- Count 9000 level course hours as 7000 level course hours for MS degree
- 1- Count course toward major (**1 Denied**)
- 1- Cancel registration for current term
- 1- Three-hour rule waiver
- 1- Seven-year rule waiver
- 1- Six-year rule waiver
- 1- Readmit after first drop
- 3- Change grade mode
- 4- Full Graduate Standing
- 2- Registration adjustment for current term
- 1- Two-year waiver (BS-MS program)
- 1- Allow course substitution to count toward degree
- 1- One-hour of registration for one term waiver

Adjourned,

Reta Pikowsky  
Registrar