

Graduate Council Curriculum Subcommittee
November 29, 2006
12:00, MH 282

AGENDA

1. Additional meeting on December 13 at 12:00
2. Wednesday meetings next semester
3. Special Topics and Course Action Requests (tabled at 11-08-06)
4. Special Topics and Course Action Requests for today's agenda
5. CECS Non-Thesis Master's Degree Requirements
6. Inactivation of Graduate Certificate in Arts Administration
7. Revisions to the Master's in Liberal Studies
8. 6000/7000 Split Courses for M.S. and Ph.D. Biology program
9. Course level changes to the Biology program
10. Revisions to the MS Biology Thesis track program
11. Revisions to the MBA program

MEMORANDUM

Date: October 9, 2006

From: Jamal F. Nayfeh
Associate Dean, CECS

To: Patricia Bishop
Vice Provost and Dean of Graduate Studies

Subject: CECS Non-Thesis Master's Degree Requirements

Please be advised that our units (CEE, EECS, IEMS, and MMAE) faculty considered the question of changing our “number of hours” requirements for graduate students in all of our non-thesis master’s programs and tracks (see the attached list of MS Programs and CIP codes affected). The proposal was to reduce the coursework requirement for non-thesis students from 36 to 30 hours of coursework. We will retain the requirement for a final capstone experience in at least one course or a comprehensive exam at the end as part of the degree requirements to ensure that graduates are trained to be independent learners. All college curricula and their assessment plans are updated to ensure compliance with SACS’s independent learning outcome. The faculty in each unit discussed the issues and voted to accept the change. The college Graduate Policy and Curriculum Committee unanimously supported the change.

We request your assistance in getting this approved at the University GPCC level and placed into the graduate catalog. Please note that the requirements for the thesis-based degrees and tracks will not change.

The change was introduced after extensive benchmark research studies of similar programs in Florida and the US. The recent college program reviews and the outside consultants produced recommendations in support of the change.

Similar MS Non-Thesis Programs in Florida and the United States

University name	Programs/ # of credit hours for MS non-thesis								
	AE	ME	MAT	CE	ENV	CS	IEMS	EE	CpE
Brown University	30							30	
Bucknell University				30				30	
California State University-Long Beach	30	30		30		30		30	30
Case Western Reserve University	30	30		30				30	30
Clarkson University	30	30		30				30	30
Clemson University		30	30	30	30	30	30	30	30
Columbia University	30	30		30		30	30	30	30
Florida International University	30	30	30	30	30	30	30	30	30
George Mason University	30					30		30	30
Iowa State University	30	30	30	30	30	30	30	30	30
Lehigh University	30								
Lousiana Tech University	30								
Manhattan College		30		30				30	30
Michigan State University		30		30		30		30	
Minnesota State University-Mankato		30						30	
Morgan State University	30								
New Jersey Institute of Technology	30	30		30				30	30
New Mexico State University	30	30		30				30	
North Carolina State University	30	30	30	30	30	30	30	30	30
North Dakota State University		30		30			30	30	30
Northern Arizona University		30		30		30		30	
Ohio University	30	30		30		30		30	
Old Dominion University	30	30		30				30	30
Oregon State University	30	30	30	30		30	30		
Portland State University	30	30		30		30			
Purdue University	30	30		30	30	30	30	30	30
Rensselaer Polytechnic Institute	30					30			
Rutgers University	30	30		30	30	30	30	30	30
San Jose State University	30	30						30	
Southern Methodist University	30	30				30		30	
Stony Brook University	30								
Suny Buffalo	30	30					30	30	30
Syracuse University	30	30		30	30	30		30	30
Tennessee State University	30								
Texas A&M University	30	30		30		30		30	

Similar MS Non-Thesis Programs in Florida and the United States

Texas Tech University		30		30	30	30	30	30	
Toledo University	30	30		30			30	30	
UMCP	30	30				30		30	
University of Missouri-Rolla		30		30		30	30	30	30
University of Arizona		30		30	30	30		30	
University of Bridgeport	30	30				30		30	30
University of Cincinnati		30	30		30	30		30	30
University of Colorado-Boulder	30	30		30	30	30		30	30
University of Colorado-Denver	30	30		30		30		30	
University of Connecticut	27		27					27	
University of Dayton	30	30		30				30	
University of Delaware		30	30	30	30	30		30	30
University of Detroit Mercy	30					30			
University of Florida	30	30	30	30	30	30	30	30	30
University of Hawaii at Manoa		30		30	30			30	
University of Houston	30					30			
University of Idaho	30	30		30		30		30	30
University of Kansas	30	30		30	30	30		30	30
University of Kentucky		30				30		30	
University of Louisville		30		30		30	30	30	
University of Maryland-Baltimore County	30	30	30	30	30	30		30	
University of Massachusetts-Amherst	30	30	30	30	30	30	30	30	30
University of Massachusetts-Dartmouth		30		30		30		30	30
University of Michigan-Dearborn		30		30	30		30	30	30
University of Minnesota-Twin Cities		30						30	
University of Mississippi		30	30	30		30		30	
University of Nebraska-Lincoln	30	30		30		30		30	
University of New Hampshire	30	30		30		30		30	
University of Notre Dame	30	30		30				30	
University of Rhode Island		30		30	30	30	30	30	
University of South Carolina		30		30	30			30	30
University of texas-arlington		30				30	30	30	30
University of Texas-San Antonio		30		30		30		30	30
University of Tulsa		30				30		30	30
University of Vermont		30	30	30		30		30	
University of Virginia			30	30		30		30	30
University of Wisconsin-Madison		30	30			30	30	30	

Similar MS Non-Thesis Programs in Florida and the United States

University of Wyoming	30	30		30		30		30	
Vanderbilt University	30								
Villanova University		30		30	30			30	30
Virginia Commonwealth University						30			
Washington State University		30	30	30		30		30	30
Wilkes University	30								
William Marsh Rice University	30								

Similar MS Non-Thesis Programs in Florida and the United States

Link			
http://gradschool.brown.edu/index.php?progid=1110482529			
http://www.csulb.edu/colleges/coe/cecs/views/programs/grad/index.shtml			
http://civil.case.edu/academics/graduate?s=graduate%20catalog			
http://www.clarkson.edu/programs_of_study/graduate/engineering/ece.html			
http://www.grad.clemson.edu/catalog/index.php?college=04&major=420			
http://www.civil.columbia.edu/			
http://www.eng.fiu.edu/ece/GraduatePrograms.htm			
http://ece.gmu.edu/msdegree/mseerequir.htm			
http://www.iastate.edu/~catalog/2005-07/graduate/masterlist.html			
http://www3.lehigh.edu/engineering/cse/academics.asp			
http://www.latech.edu/coes/grad-programs/ms-requirements.shtml			
http://www.engineering.manhattan.edu/ece/index.htm			
http://www.egr.msu.edu/ece/students/grad.php			
http://www.ece.mtu.edu/faculty/wfp/emag.html			
http://www.eng.morgan.edu/ece_home.htm			
http://catalog.njit.edu/graduate/programs/electricalengineering.php			
http://ie.nmsu.edu/ie_degrees_master.htm			
http://www.grad.ncsu.edu/catalog/			
http://www.ece.ndsu.nodak.edu/ece/academics/curriculum/grad/			
http://home.nau.edu/cens/cens_departments.asp			
http://www.ohiou.edu/gcatalog/05-07/pdf/001-034-intro.pdf			
http://www.cee.odu.edu/cee/cee_graduate.html#req_ms			
http://ie.oregonstate.edu/			
http://www.ece.pdx.edu/Graduate/degree_requirements.htm			
https://engineering.purdue.edu/CEE/credit_programs/documents/			
http://www.rpi.edu/dept/mane/deptweb/index.html			
http://catalogs.rutgers.edu/generated/nb-grad_0507/pg24143.html			
http://info.sjsu.edu/web-dbggen/catalog/departments/EE-section-2.html			
http://www.smu.edu/catalogs/graduate/engr/msdegree.asp			
http://me.eng.sunysb.edu/files/graduate-bulletin.pdf			
http://www.mae.buffalo.edu/			
http://www.ecs.syr.edu/eecs_grad_msce.asp			
http://www.tnstate.edu/uploads/documents/TSU%20Grad%2005-07%20with%20bookmarks.pdf			
http://engineer.tamu.edu/academics/degrees/			

Similar MS Non-Thesis Programs in Florida and the United States

http://www.ttu.edu/academics/programs_degree.php
http://www.eng.utoledo.edu/main.shtml
http://www.gradschool.umd.edu/catalog/masters_degrees_new.htm
http://dce.umn.edu/Credit/Degrees/
http://www.bridgeport.edu/sed/departments/elec_req.htm
http://www.colorado.edu/prospective/graduate/academics/ENGLink.html
http://www.cudenver.edu/NR/rdonlyres/
http://www.engr.uconn.edu/ece/ece_ms_prg_planb.htm
http://engineering.udayton.edu/programs/mechanical/graduate_msmechanical.asp
http://www.engr.udel.edu/advise/grad_programs.html
http://eng-sci.udmercy.edu/mengr/grad.html
http://gradschool.rgp.ufl.edu/students/degrees.html#master's
http://www.catalog.hawaii.edu/schoolscolleges/engineer/cee.htm
http://www.egr.uh.edu/ECE/
http://www.uidaho.edu/engr/cedept/
http://www.me.engr.ku.edu/graduate/ms.htm
http://www.engr.uky.edu/ece/graduate/grad_hand.html
http://php.louisville.edu/GRADUATE/catalog/programs_by_degree.php
http://www.gradschool.umd.edu/catalog/programs/ENAE.html
http://www.ecs.umass.edu/
http://www.umassd.edu/crc/internships/policy.cfm
http://www.rackham.umich.edu/Programs/physical.sci/mecheng.html
http://www.olemiss.edu/depts/engineering_school/students/catalog/masters.html
http://ceen.unomaha.edu/
http://www.gradschool.unh.edu/catalog/programs/chemeng.html
http://ame.nd.edu/
http://www.uri.edu/catalog/cataloghtml/graduateprograms.html
http://www.engr.sc.edu/studentservices/apogee/?c=2
http://www.uta.edu/gradcatalog/mse
http://www.allengineeringschools.com/schools/ID295/
http://www.emba.uvm.edu/ece/ecegradprog.htm

Similar MS Non-Thesis Programs in Florida and the United States

http://uwadmnweb.uwyo.edu/UWGrad/06BulletinCOE.asp
http://www.vanderbilt.edu/catalogs/grad/Grad01.html
http://engineering.villanova.edu/academics/
http://www.pubapps.vcu.edu/bulletins/prog_search/?did=20297
http://www.wilkes.edu/pages/212.asp
http://www.rice.edu/catalog/2006_2007/PDF/08_GraduateInformation.pdf



Department of Music

October 30, 2006

To: Dr. Consuelo Stebbins, Associate Dean
CAH

From: Dr. Johnny Pherigo, Chair
Department of Music & Coordinator of Graduate Certificate in Arts Administration

RE: Deletion of Graduate Certificate in Arts Administration

I am requesting that the Graduate Certificate in Arts Management be suspended and that no new students be admitted. The rationale for this request is as follows:

1. The 1.5 credit MAN 5021 required course for the certificate is apparently no longer offered. Also, CBA is reviewing its other 1.5 credit courses, including ACG 5005 and MAR 5055, the other required courses in the Arts Management Certificate, for possible changes.
2. The arts chairs at the October 10 meeting about this program all agreed that the arts curriculum for the program is weak and does not sufficiently prepare students to enter careers in arts administration. Additionally, such a program is not a high priority at this time for any of the arts units.
3. Enrollments in the program are low (currently 9 active), and have not achieved the critical mass for a viable program. Of the 9 only 2 are certificate-only students. The other 7 are pursuing masters degrees.

Students already in the Arts Management Certificate program should be allowed to complete the program. However, if CBA does not offer the 1.5 credit core courses in the future then it will be necessary to ask the Graduate Council for an exception to the "no substitutions" rule for certificate programs. Additionally, MUM 5806 has been cancelled for Spring 2007 due to low enrollment.

I have looked at possible substitute courses for MUM 5806 for students in the Graduate Arts Management Certificate. I think that any of the courses in the Graduate Certificate in Public Administration would be acceptable substitutes for MUM 5806 or MAN 5021. These include:

PAD 5145 Volunteerism
PAD 5850 Grants & Contracts
PAD 5142 Non-Profit Organizations
PAD 5146 Resource Development
PAD 6149 NPO Administration

PAD 6335 Strategic Planning
PAD 6327 Evaluation

Most of these courses are offered Spring 2007.

Please let me know how you want me to proceed.

Description

Interdisciplinary Studies offers masters degrees with more than two dozen concentrations and certificate affiliations available for constructing a program of study. Students create an individualized program in consultation with the program director, allowing for both the breadth and depth of experience that is valuable for students pursuing various career, educational, and intellectual goals.

Degrees Offered

Master of Arts in Interdisciplinary Studies
Master of Science in Interdisciplinary Studies

Admission

For information on general UCF graduate admissions requirements that apply to all prospective students, please visit the [Admissions and Registration](#) section of the Graduate Catalog. Applicants must [apply online](#). Please be sure to submit all requested material by the established deadline(s). Furthermore applicants must have a background in the concentration area that they are choosing to enter, either through course work at the undergraduate or graduate level, or through professional experience related to the field.

Applicants should note the following minimal requirements for admission to the program, although meeting minimum UCF admissions criteria does not guarantee program admission. Final admission is based on evaluation of the applicant's abilities, past performance, recommendations, match of this program and faculty expertise to the applicant's career/academic goals, and the applicant's potential for completing the degree.

- GPA of 3.0 (on a 4.0 scale) for the last 60 attempted semester hours of undergraduate study earned toward the baccalaureate, or
- A competitive score on the verbal-quantitative sections of the Graduate Record Examination (GRE). (Note the GRE is required of all applicants.)
- A written statement describing student's goals and objectives in seeking an Interdisciplinary Studies graduate degree, including preliminary ideas about which concentration might be chosen
- Three letters of recommendation from academic references. Please contact the Interdisciplinary Studies office if you have questions about this requirement.
- For applicants from countries where English is not the official language, or for an applicant whose bachelor's degree is not from an accredited US institution, an official score of at least 220 (computer-based test; or equivalent score on the paper-based test) on the Test of English as a Foreign Language (TOEFL) is required
- Interview with the Interdisciplinary Studies Graduate Coordinator

Both the MA and MS in Interdisciplinary Studies programs incorporate three core courses as a common basis of study that integrate knowledge from various fields, traditions, and cultures to enhance and extend the educational experience. In addition the programs develop research abilities, substantive knowledge, critical thinking, and advanced skills, through the diverse

concentrations of study. Individual advising, carefully selected classes and program construction, and a commitment to the student are central to these programs.

Master of Arts and Master of Science in Interdisciplinary Studies

The Master of Arts in Interdisciplinary Studies degree is designed for students interested in the interdisciplinary experience who complete their concentration through courses traditionally associated with M.A. degrees. Students completing their concentration through certificates in Arts Management, Theoretical and Applied Ethics, Professional Writing, and others would be eligible for the M.A. degree.

The Master of Science in Interdisciplinary Studies degree is designed for students interested in the interdisciplinary experience who complete their concentration through courses traditionally associated with M.S. degrees. Students completing their concentration through certificates in Computer Forensics, Conservation Biology, Nonprofit Management, and others would be eligible for the M.S. degree.

Students in both the MA and MS in Interdisciplinary Studies must complete a capstone experience that may include either a thesis, two electives and a comprehensive examination, or a collaborative project. The degree of Master of Arts or Master of Science is conferred when the student has fulfilled the requirements of the Capstone Experience. Students must earn course grades of "B" or better to get credit toward the master's degree.

The core courses of the program incorporate several independent learning opportunities. For example, IDS 6351 "Critical Thinking and Writing" requires evidence of writing and thinking skills as shown through a research paper or papers. IDS 6308 "Ways of Knowing" requires an end-of-semester independent research paper and an oral presentation, and IDS 6669 "Interdisciplinary Approaches to Research" requires students to learn research methodology and apply it to independent research work.

Requirements for M.A.—33 Credit Hours Minimum

Required Core Courses—9 Credit Hours

- IDS 6351 Critical Thinking and Writing (3 credit hours)
- IDS 6308 Ways of Knowing (3 credit hours)
- IDS 6669 Interdisciplinary Approaches to Research (3 credit hours)

Concentration—18 Credit Hours

A minimum of 18 semester hours of course work must be completed in the concentration. Course selection is done in consultation and with approval of the program director and/or academic coordinator.

Capstone Experience Options---6 Credit Hours

Choose one the three following options in consultation with the graduate coordinator.

Thesis

Completion 6 semester hours of thesis credit and successful completion of a thesis are required. The thesis consists of a common theme with an introduction and literature review, details of the study, and results and conclusions. The thesis requires formation of a thesis committee of three faculty, and an oral defense as the thesis is completed.

Electives and Comprehensive Examination

Six semester hours of approved graduate electives and passing a three-part comprehensive written examination are required. Students must pass all three parts of the examination. Any portion for which the student does not receive a pass must be taken over again. Two attempts at passing the examination are permitted in a single semester.

Collaborative Project

Six credit hours working with another student (or students) completing the Masters degree in Interdisciplinary Studies or another degree. The project requires a committee of three faculty (including a chair and two others) to supervise and grade the project.

Concentrations

The concentrations below are interdisciplinary groups of courses that comprise a focus area and also certificate programs.

- American Studies
- Art and Culture in Society
- Business and Government Writing
- Comparative Cultural Studies: The Hispanic World
- Educational Skills, Objectives, and Content
- Governing through Crisis: The Modern Political Environment
- Historical Contexts
- The Human Condition
- Humanities
- Issues of Social Concern
- Language and Literature in a Dynamic Global Environment
- Leadership Studies
- Media and Message in the 21st Century
- Managing Public Environments and Institutions: From Private Property to Public Agencies
- Race, Ethnicity, and Class
- The American Experience
- The Social Dimensions of Modern Experience
- Ways of Knowing

- World Comparative Studies

Graduate Certificate Programs

- Aging Studies
- Arts Management
- Cognitive Sciences
- Computer Forensics
- Conservation Biology
- Contemporary Humanities
- Crime Analysis
- Domestic Violence
- Gender Studies
- Maya Studies
- Nonprofit Management
- Professional Writing
- Public Administration
- SAS Data Mining
- Teaching English as a Foreign Language
- Theoretical and Applied Ethics

Note: Students pursuing the Master of Arts in Interdisciplinary Studies degree program must take at least eighteen of the 33 required credit hours in traditional liberal arts courses. Students pursuing the Master of Science in Interdisciplinary Studies degree must take at least eighteen credits of their concentration in courses within Master of Science degree programs at UCF. Course work must be selected so that at least fifty percent of credit hours in the program are taken at the 6000 level.

CECS MS Programs CIP Codes

CIP Code	Program Code	HEGIS Code	Program Name	Degree
11.0101	COMPSCI-MS	07.01	Computer Science	MS
14.0201	AEROENG-MS	09.02	Aerospace Engineering	MSAE
14.0801	CIVENGR-MS	09.01	Civil Engineering	MS
14.0801	CIVEN-MSCE	09.08	Civil Engineering	MSCE
14.0901	COMPENGR-MS	09.98	Computer Engineering	MSPE
14.1001	EENGR-MSEE	09.09	Electrical Engineering	MSEE
14.1401	ENVENGR-MS	09.22	Environmental Engineering	MSVE
14.1401	ENVSCI-MS	09.01	Environmental Science	MS
14.1801	MATENGR-MS	09.15	Materials Science and Engineering	MSMS
14.1901	MENGR-MS	09.10	Mechanical Engineering	MSME
14.3501	IENGR-MS	09.01	Industrial Engineering	MS
14.3501	IENGR-MSIE	09.13	Industrial Engineering	MSIE

CECS MS Programs and CIP Codes

CIP Code	Program Code	HEGIS Code	Program Name	Degree	Sub-Plan Type
	ACCELBS2MS	07.11	Computer Science (BS) - Accelerated BS to MS		TRK
11.0101	COMPSCI-MS	07.01	Computer Science	MS	
14.0201	AEROENG-MS	09.02	Aerospace Engineering	MSAE	
	SPSYSDES-M	09.03	Space Systems Design and Engineering		TRK
	THRMAERO-M	09.04	Thermofluid Aerodynamic Systems Design and Engineering		TRK
14.0801	CIVENGR-MS	09.01	Civil Engineering	MS	
	WATERRES	09.26	CE - Water Resources Engineering		TRK
	STRUCTUR-T	09.28	CE - Structural and Geotechnical Engineering		TRK
	TRANSP-S	09.30	CE - Transportation Systems Engineering		TRK
14.0801	CIVEN-MSCE	09.08	Civil Engineering	MSCE	
	ACCBSCPE	09.77	Computer Engineering - Accelerated BSCpE to MSCpE		TRK
14.0901	COMPENGR-MS	09.98	Computer Engineering	MSPE	
	COMPNETW	09.63	CompE-Computer Networking		TRK
	DIGSYS	09.56	CompE - Digital Systems		TRK
	KNOWSYS	09.61	CompE - Knowledge Based Systems		TRK
	SOFTENGR	09.60	CompE - Software Engineering		TRK
	ACCBSEE	09.76	Electrical Engineering - Accelerated BSEE to MSEE		TRK
14.1001	EENGR-MSEE	09.09	Electrical Engineering	MSEE	
	PHOTON-MS	09.74	EE - Photonics		TRK
	COMM	09.62	EE - Communications		TRK
	CONTROLS	09.64	EE-Controls and Robotics		TRK
	DIGSIGNAL	09.54	EE - Digital Signal Processing		TRK
	ELCTROMAG	09.68	EE - Electromagnetics		TRK
	ELECTOPTIC	09.72	EE - Electro-Optics		TRK
	ELECTRONIC	09.66	EE - Electronics		TRK
	MICROELEC	09.70	EE - Microelectronics		TRK
	VLSI DESGN	09.73	EE - VLSI Design		TRK
14.1401	ENVENGR-MS	09.22	Environmental Engineering	MSVE	
14.1401	ENVSCI-MS	09.01	Environmental Science	MS	
	ENVSCI	09.31	EnvE - Environmental Engineering Sciences		TRK
14.1801	MATENGR-MS	09.15	Materials Science and Engineering	MSMS	
14.1901	MENGR-MS	09.10	Mechanical Engineering	MSME	
	MECHSYS	09.34	ME - Mechanical Systems		TRK
	THERMO	09.36	ME - Thermofluids		TRK
	COMPMECH	09.39	ME - Computer Aided Mechanical Engineering		TRK
	PROF	09.37	ME - Professional		TRK
	MINENGRSYS	09.33	ME - Miniature Engineering Systems		TRK
14.3501	IENGR-MS	09.01	Industrial Engineering	MS	
	SYSENGRMGT	09.53	IE - Systems Engineering and Management		TRK
	HUMANENGR	09.45	IE - Human Engineering / Ergonomics		TRK
	INTERSTIM	09.50	IE - Interactive Simulation and Training Systems		TRK
	IENGR MGMT	09.44	IE - Engineering Management		TRK
	OPSRCH	09.46	IE - Operations Research		TRK
	SMA	09.52	IE - Simulation Modeling and Analysis		TRK
	MANUFENGR	09.42	IE - Manufacturing Engineering		TRK
	QALENGR	09.48	IE - Quality Engineering		TRK
14.3501	IENGR-MSIE	09.13	Industrial Engineering	MSIE	

CECS MS Programs and CIP Codes

To be used for New or Changed Degree, Track or Certificate Program

Biology Master of Science Thesis Track

Name of Program

Biology Department

Department(s) Coordinating Program

2007-2008

Proposed Effective Catalog Semester/Year

Please attach a copy of the program proposal. Note the units that have been consulted if duplication of programs or conflict of interest with other units occurs.

This is a: ☐ Certificate ☐ New Program
☒ Masters ☒ Revision to an Existing Program
☐ Doctoral ☐ Deletion of Program

If a **new** program, please provide the following information:

Proposed Diploma Description (subject to review): _____

Proposed Transcript Description (subject to review): _____

Admission Deadlines:

Fall Priority: _____
(for fellowships)

Fall: _____

Spring: _____

Summer: _____

Will students currently active in another program be able to move, and not have to apply, into this program?

☐ Yes

☐ No

☐ Unsure

If yes, from which programs? _____

What are the admissions requirements? (If not included in proposal. Provide as an attachment if necessary.)

Who will be the director/coordinator for this program? _____

APPROVALS

Department/School Approval: _____

Chair/Director

11/1/06
Date

College Approval: _____

(After Committee Review)

Associate Dean of Graduate Studies

11/14/06
Date

Graduate Studies Approval: _____

Graduate Council

Date

Academic Affairs: _____

Academic Affairs

Date

9/06 Track-Program Approval



Department of Biology

To:	Dr. Patricia Bishop, Vice Provost and Dean of Graduate Studies	November 1, 2006
Through:	Dr. Michael Johnson, Associate Dean, Graduate Studies	
Through:	Dr. Martin Quigley, Interim Chair, Department of Biology	
From:	Dr. Graham A.J. Worthy, Graduate Program Coordinator, Biology	
Re:	Biology MS thesis track program revision	

The Department of Biology would like to modify the curriculum of our MS Biology thesis track program. This program description is currently set up in the Graduate Catalog as follows:

"Thesis Option

Requirements for M.S. Thesis Option—30 Credit Hours Minimum

A student selecting the biology thesis option will include in their program of study:

Group A — At Least 12 Credit Hours

(Minimally, one course approved by the thesis committee from at least three of the five core areas listed below.)

- Ecology
- Evolutionary Biology
- Genetics
- Physiology
- Cell and Developmental Biology

Group B—8 credit hours (both courses)

- BSC 6938 Biology Seminar (2 credit hours)
- BSC 6971 Thesis (6 credit hours)

Group C—Remaining Credit Hours (typically 8-10 Credit Hours)

Restricted electives acceptable to the student's graduate advisory committee. Completion of a graduate certificate in Conservation Biology will satisfy electives in this category."

We would like to modify this such that all MS thesis track students would be required to take PCB 6095 (1 credit hour), PCB 6096 (1 credit hour), BSC 6938 (2 credit hours), STA 5175 (3 credit hours), BSC 6971 (6 credit hours) plus a minimum of 17 credit hours of elective courses selected by the Advisory Committee and approved by the Graduate Program Coordinator (see attached chart).

The proposed new language for the catalog would be:

“Thesis Option

Requirements for M.S. Thesis Option—30 Credit Hours Minimum

A student selecting the biology thesis option will include in the program of study:

- **PCB 6095 Professional Development I (1 credit hour)**
- **PCB 6096 Professional Development II (1 credit hour)**
- **BSC 6938 Biology Seminar (twice at 1 credit hour each)**
- **STA 5175 Biometry (3 credit hours)**
- **BSC 6971 Thesis (6 credit hours)**

A minimum of 17 additional credit hours will be selected in conjunction with the faculty advisor and advisory committee members and approved by the Program Graduate Coordinator.

If a student is deemed to have adequate training in statistics the requirement for STA5175 can be waived. If the waiver is granted, the student will take an additional 3hrs of elective credit to meet the 30 total hours required in the thesis program of study.”

The rationale for this proposed change is that it will allow for greater flexibility in developing Programs of Study that are tailored to fit the individual needs of each of our students and thereby increase retention of students and increase the quality of their theses. This model also allows for the inclusion of new courses that are being added as a result of new faculty hires. This model also allows for the inclusion of our Professional Development sequence which will train students on how to be both a good graduate student and ultimately a better scientist. This two-course sequence will cover everything from preparation of proposals to the ethics and philosophy of science. The inclusion of Statistics as a required course will also increase the preparedness of our students both in terms of experimental design and statistical analysis.

Overall I believe that this change will increase the rigor of our program and better train our students to become successful and productive scientists.



Department of Biology

To:	Dr. Michael Johnson, Associate Dean COS	<i>Approved by COS</i> <i>[Signature]</i>	October 26, 2006
Through:	Dr. Martin Quigley, Interim Chair Biology		
From:	Dr. Graham A.J. Worthy, Graduate Program Coordinator, Biology	<i>[Signature]</i>	
Re:	split 6000 and 7000 level courses		

It is our understanding that departments can offer 'split' courses if they are one level apart, but that most previous discussions have centered on splitting 4000 and 5000 level courses. The Department of Biology would like to explore a similar arrangement with a 6000/7000 split course. Specifically we would like to link our M.S. and Ph.D. versions of our "professional development" courses (PCB6095/PCB7090 and PCB6096/PCB7091). The 7000 level courses are not required if a PhD student has already completed a MS and therefore the students should be comparable in their abilities.



Office of the Dean
College of Sciences
Graduate Services Office

RECEIVED NOV 14 2006

Memorandum

To: Patricia Bishop
Vice Provost and Dean of Graduate Studies
From: Teresa Wilkerson SK
COS Graduate Office
Date: November 14, 2006
Re: Course Reviews
Cc: Dr. Michael Johnson

Attachments

On behalf of the College of Sciences, I herewith submit several items for review by the Course Curriculum Subcommittee of the Graduate Council at their next meeting. The submitting departments have offered or supplied the necessary information for Dr. Michael Johnson and the College Committee to approve these items.

Thank you for your attention to this. Please feel free to contact Dr. Johnson or me if you have any questions in regards to the enclosed material.

33-Month Lockstep, Evening MBA

Revised Program Overview:

The current Flexible MBA Program admission and delivery structure has been revised to follow a lockstep, evening MBA format, starting Fall 2007. This program would admit students only in the fall semester, and will offer two evening courses per semester (fall and spring; one in summer) in a lockstep fashion, thus facilitating graduation within 33 months. A minimum of 60 students per cohort (with maximum of 75 students) would be admitted with up to two cohorts beginning simultaneously if needed.

GOALS:

1. Streamline the existing flexible MBA program
2. Improve efficiency of graduate course offerings
3. Improve quality of admissions
4. Enhance delivery structure and course offerings

Current Flexible MBA Program Facts/Issues:

- 3-term admissions (Fall, Spring, and Summer)
- 39 hour program (30 required hours, 9 hours of electives)
- No minimum requirement on number of hours taken per semester
- Average credit hours registered – 6 hours
- Average time to degree – 32.6 months
- Foundation hours required – 10.5 (to 13.5) hours (Seven 1.5 hour courses)
- Attrition rate (including those who exceed 48 months) – 15% (approx.)
- Average number of students in a graduate section – 30 (varies across courses)
- **Major issues for students:**
 - Effectiveness of 1.5 hour courses
 - Would like to plan ahead their schedule
- **Major issues for faculty and unit heads**
 - Effectiveness and staffing issues with 1.5 hour courses
 - Caliber of in-coming class
 - Efficient scheduling to optimize student and departmental needs

Revised 33-Month Lock-Step Program Highlights:

- 33 month, structured program with Fall only admission
- 39 hour program (30 required hours, 9 hours of electives); No change
- Guaranteed course offerings
- Pre-determined schedule for entire program, allowing students to plan ahead
- Evening courses to accommodate full-time career commitments
- Flexibility in choice of 9 elective hours, of which 6 may be taken outside the College of Business, with prior approval
- Two concurrent sections (60-75 students each)
- 1.5 hour Professional Core courses replaced with 3 hour equivalents (or eliminated, if deemed not required)
- Seven 1.5 hour 5000 level foundation courses replaced with four 3-hour 6000 level courses

Proposed Schedule for the 33-Month Lockstep, Evening MBA Program

	Monday	Tuesday	Wednesday	Thursday	Friday
Year 1 - FALL	ECO 6416	MAN 6245	ECO 6416	MAN 6245	
Year 1 - SPRING	ACG 6425	ECO 6115	ACG 6425	ECO 6115	
Year 2 - FALL	BUL 6444	FIN 6406	BUL 6444	FIN 6406	
Year 2 - SPRING	GEB 6365	ELECTIVE	GEB 6365	ELECTIVE	
Year 2 - SUMMER	ELECTIVE		ELECTIVE		
Year 3 - FALL	ELECTIVE	MAR 6816	ELECTIVE	MAR 6816	
Year 3 - SPRING	ISM 6367	MAN 6721	ISM 6367	MAN 6721	