I L L I N O I S
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

Proposal to the Senate Educational Policy Committee

Please replace all text in italic with appropriate information before submitting your proposal. Your entries should be in regular (not italic) font.

PROPOSAL TITLE:

Termination the two options within the Master's in Electrical and Computer Engineering.

- Online MS: Electrical and Computer Engineering
- Non-Thesis option

SPONSOR:

Prof. Steven J. Franke, Associate Head for Graduate Affairs, Department of Electrical and Computer Eng., 2084 ECEB MC-702, 333-8128, s-franke@illinois.edu.

COLLEGE CONTACT:

William G. Buttlar, Associate Dean, Office of Graduate and Professional Programs, College of Engineering, 306 Engineering Hall MC-266, 333-0678, buttlar@illinois.edu.

BRIEF DESCRIPTION:

The Department of Electrical and Computer Engineering is requesting to terminate the online option of the current master's degree in electrical and computer engineering, which means termination of the program code 10KS1200MSU.

In addition, we are requesting a removal of the following language from our existing master's curriculum (10KS1200MS), which will remove the non-thesis option.

> *"A non-thesis and an online option exist for the M.S., but students are no longer admitted to these programs."*

JUSTIFICATION:

The Department of Electrical and Computer Engineering offered our current master's degree in an online format starting in fall 1999. This was a time when the College of Engineering was establishing an online format for their master's degree. This program has not been successful

using our current master's degree requirements. We have not admitted students into this program since fall 2003. Therefore, we are requesting to have this program terminated.

In addition, ECE is requesting to have the non-thesis option removed from the current master's program curriculum. This option has not been exercised since fall 2007 as the current master's curriculum is designed for students who wish to complete a research based master's degree. ECE is in the process of requesting a new professional master's degree to meet the needs of the students who wish to pursue a non-thesis master's degree and work in industry. The curriculum that is being proposed in the Master's of Engineering (M.Eng.) in Electrical and Computer Engineering is designed to give students a balance of the technical and professional development courses required to meet the needs of industry positions. Please note that there is not a separate program code for the non-thesis option nor are there additional requirements in the existing master's curriculum.

BUDGETARY AND STAFF IMPLICATIONS:

1) Resources

    a. How does the unit intend to financially support this proposal?

       NA

    b. How will the unit create capacity or surplus to appropriately resource this program? If applicable, what functions or programs will the unit no longer support to create capacity?

       NA

    c. Will the unit need to seek campus or other external resources? If so, please provide a summary of the sources and an indication of the approved support.

       NA

    d. Please provide a letter of acknowledgment from the college that outlines the financial arrangements for the proposed program.

       NA

2) Resource Implications

    a. Please address the impact on faculty resources including the changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc.

       NA

    b. Please address the impact on course enrollment in other units and provide an explanation of discussions with representatives of those units. *(A letter of acknowledgement from units impacted should be included.)*

NA

c. Please address the impact on the University Library *(A letter of estimated impact from the University Librarian must be included for all new program proposals. If the impact is above and beyond normal library business practices, describe provisions for how this will be resourced.)*

NA

d. Please address the impact on technology and space (e.g. computer use, laboratory use, equipment, etc.)

NA

For new degree programs only:

3) Briefly describe how this program will support the University's mission, focus, and/or current priorities. Include specific objectives and measurable outcomes that demonstrate the program's consistency with and centrality to that mission.

NA

4) Please provide an analysis of the market demand for this degree program. What market indicators are driving this proposal? What type of employment outlook should these graduates expect? What resources will be provided to assist students with job placement?

NA

5) If this is a proposed graduate program, please discuss the programs intended use of waivers. If the program is dependent on waivers, how will the unit compensate for lost tuition revenue?

NA

DESIRED EFFECTIVE DATE: Summer 2015 Term

STATEMENT FOR PROGRAMS OF STUDY CATALOG: See Appendix A.

CLEARANCES: *(Clearances should include signatures and dates of approval. **These signatures must appear on a separate sheet.** If multiple departments or colleges are sponsoring the proposal, please add the appropriate signature lines below.)*

Signatures:

February 4, 2015

Unit Representative: Date:

2 - 10 - 2015

College Representative: Date:

2 - 10 - 2015

Graduate College Representative: Date:

Council on Teacher Education Representative: Date:

Master of Science in Electrical and Computer Engineering

~~A non-thesis and an online option exist for the M.S., but students are no longer admitted to these programs.~~

Thesis Research – ECE 599 (min-max applied toward degree)	8
ECE 500 ECE Colloquium (registration for 0 hours every term while in residence)	0
Elective courses (subject to Other Requirements and Conditions below)	24
Total Hours	32

Other Requirements and Conditions[1]

Credit in ECE 411, ECE 415, ECE 445, ECE 590 or ECE 596, PHYS 404, PHYS 435, and PHYS 436and STAT 400 does not count toward the degree.

No course used to fulfill any degree requirement may be taken using the "Credit/No Credit" option.

A maximum of 4 hours of ECE 597 (or other individual study) may be applied toward the elective course work requirement.

There is no final examination for the M.S. degree.

MInimum GPA: 3.0

[1] *For additional details and requirements refer to the department's Graduate Study Manual and the Graduate College Handbook.*

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

Office of the Provost and Vice Chancellor
for Academic Affairs

Swanlund Administration Building
601 East John Street
Champaign, IL 61820

February 11, 2015

Gay Miller, Chair
Senate Committee on Educational Policy
Office of the Senate
228 English Building, MC-461

Dear Professor Miller:

Enclosed is a copy of a proposal from the College of Engineering and the Graduate College to terminate two options, the Online MS and the Non-Thesis Option, in the Master's in Electrical and Computer Engineering.

Sincerely,

Kathryn A. Martensen
Assistant Provost

Enclosures

c: B. Buttlar
    R. McElroy
    J. Hart
    A. Edwards

College of Engineering

306 Engineering Hall, MC-266
1308 West Green Street
Urbana, IL 61801

February 10, 2015

Associate Dean John Hart
Graduate College
204 Coble Hall
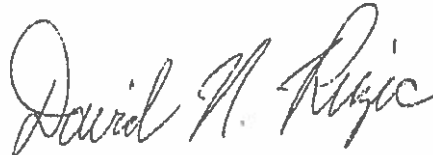MC-322

Via: Andreas Cangellaris, Engineering College

Dear Dean Hart:

The College of Engineering Executive Committee has reviewed and approved the following course proposal:

"Termination of two options in the Master's in Electrical and Computer Engineering: Online MS and Non-Thesis Option"

Attached is a copy of the requests.

Sincerely yours,

David Ruzic, Vice Chair
Executive Committee

Approval Recommended:

2-10-2015

Andreas Cangellaris, Dean   Date
College of Engineering

DR/rd

Bill Buttlar
Rhonda McElroy
David Ruzic

Senate Educational Policy Committee
Proposal Check Sheet

PROPOSAL TITLE (Same as on proposal): Termination of two options in the Master's in Electrical and Computer Engineering: Online MS and Non-Thesis Option

PROPOSAL TYPE (select all that apply below):

A. ☐ Proposal for a NEW or REVISED degree program. Please consult the Programs of Study Catalog for official titles of existing degree programs.

   1. Degree program level:

     ☒ Graduate   ☐ Professional   ☐ Undergraduate

   2. ☐ Proposal for a new **degree** (e.g. B.S., M.A. or Ph.D.):

     Degree name, "*e.g., Bachelor of Arts or Master of Science*": _____

   3. ☐ Proposal for a new or revised **major, concentration, or minor**:

     ☐ New or ☐ Revised **Major** in (name of existing or proposed major): _____

     ☐ New or ☐ Revised **Concentration** in (name of existing or proposed concentration): _____

     ☐ New or ☐ Revised **Minor** in (name of existing or proposed minor): _____

   4. ☐ Proposal to rename an existing major, concentration, or minor:

     ☐ Major   ☐ Concentration   ☐ Minor

     Current name: _____

     Proposed new name: _____

   5. ☐ Proposal to terminate an existing degree, major, concentration, or minor:

     ☐ Degree   ☐ Major   ☐ Concentration   ☐ Minor

     Name of existing degree, major, or concentration: _____

   6. ☐ Proposal involving a multi-institutional degree:

     ☐ New   ☐ Revision   ☐ Termination

     Name of existing Illinois (UIUC) degree: _____

Name of non-Illinois partnering institution: _____

Location of non-Illinois partnering institution:

☐ State of Illinois　　☐ US State: _____　　☐ Foreign country: _____

B. ☐ Proposal to create a new academic unit (college, school, department, program or other academic unit):

　　Name of proposed new unit: _____

C. ☐ Proposal to rename an existing academic unit (college, school, department, or other academic unit):

　　Current name of unit: _____

　　Proposed new name of unit: _____

D. ☐ Proposal to reorganize existing units (colleges, schools, departments, or program):

　1. ☐ Proposal to change the status of an existing and approved unit (e.g. change from a program to department)

　　Name of current unit including status: _____

　2. ☐ Proposal to transfer an existing unit:

　　Current unit's name and home: _____

　　Proposed new home for the unit: _____

　3. ☐ Proposal to merge two or more existing units (e.g., merge department A with department B):

　　Name and college of unit one to be merged: _____

　　Name and college of unit two to be merged: _____

　　Proposed name and college of new (merged) unit: _____

　4. ☐ Proposal to terminate an existing unit:

　　Current unit's name and status: _____

E. ☒ **Other educational policy proposals** (e.g., academic calendar, grading policies, etc.)

　　Nature of the proposal: <u>Terminate two options within the existing ECE master's program (10KS1200MS) and termination of the online program code (10KS1200MSU)</u>