

Program Change Request

Date Submitted: 05/25/17 7:44 am

Viewing: **ELEGMS : Electrical Engineering, Master of Science in Electrical Engineering**

Last approved: 01/23/15 8:35 am

Last edit: 11/07/17 1:50 pm

Changes proposed by: cjhowar

In Workflow

1. ENGR Dean Initial
2. GRAD Dean Initial
3. Director of Program Assessment and Review
4. Registrar Initial
5. ELEG Chair
6. ENGR Curriculum Committee
7. ENGR Faculty
8. ENGR Dean
9. Global Campus
10. Provost Review
11. University Course and Program Committee
12. Graduate Committee
13. Faculty Senate
14. Provost Final
15. Provost's Office-- Notification of Approval
16. Registrar Final
17. Catalog Editor Final

Catalog Pages Using this Program

[Electrical Engineering \(ELEG\)](#)

Submitter: 7456 User ID: lkulcza Phone:

Program Status: **Active**

Academic Level: Graduate

Type of proposal: Major/Field of Study

Select a reason for this modification

Making Minor Changes to an Existing Degree (e.g. changing 15 or fewer hours, changing admission/graduation requirements, adding Focused Study)

Are you adding a concentration?

No

Are you adding a track?

No

Are you adding a focused study?

No

Effective Catalog Year: Fall 2018

College/School Code

College of Engineering(ENGR)

Department Code

Approval Path

1. 05/25/17 10:59 am
Norman Dennis (ndennis): Approved for ENGR Dean Initial
2. 05/25/17 11:04 am
Patricia Koski (pkoski): Approved

Department of Electrical Engineering(ELEG)

Program Code ELEGMS
 Degree Master of Science in Electrical Engineering
 CIP Code

- for GRAD Dean Initial
- 3. 05/26/17 9:45 am
 Alice Griffin
 (agriffin): Rollback to ENGR Dean Initial for Director of Program Assessment and Review
- 4. 09/14/17 9:26 am
 Norman Dennis
 (ndennis): Approved for ENGR Dean Initial
- 5. 09/14/17 11:34 am
 Patricia Koski
 (pkoski): Approved for GRAD Dean Initial
- 6. 09/14/17 4:00 pm
 Alice Griffin
 (agriffin): Approved for Director of Program Assessment and Review
- 7. 09/25/17 5:40 pm
 Lisa Kulczak
 (lkulcza): Approved for Registrar Initial
- 8. 09/29/17 11:23 am
 Juan Balda (jbalda): Rollback to Registrar Initial for ELEG Chair
- 9. 10/04/17 5:26 pm
 Lisa Kulczak
 (lkulcza): Approved for Registrar Initial
- 10. 10/05/17 3:16 am
 Juan Balda (jbalda):

Approved for ELEG
Chair

11. 11/07/17 1:50 pm
Manuel Rossetti
(rossetti): Approved
for ENGR

Curriculum
Committee

12. 11/07/17 1:52 pm
Norman Dennis
(ndennis): Approved
for ENGR Faculty

13. 11/07/17 4:50 pm
Norman Dennis
(ndennis): Approved
for ENGR Dean

14. 11/10/17 3:47 pm
Kiersten Bible
(kbible): Approved
for Global Campus

15. 11/29/17 4:31 pm
Terry Martin
(tmartin): Approved
for Provost Review

16. 12/18/17 11:03 am
Alice Griffin
(agriffin): Approved
for University
Course and Program
Committee

17. 01/19/18 4:13 pm
Patricia Koski
(pkoski): Approved
for Graduate
Committee

History

1. Sep 4, 2014 by Lisa Kulczak (lkulcza)
2. Jan 23, 2015 by Lisa

14.1001 - Electrical and Electronics Engineering

Program Title

Electrical Engineering, Master of Science in Electrical Engineering

Program Delivery

Method

On Campus

Online/Web-based

Is this program interdisciplinary?

No

Does this proposal impact any courses from another College/School?

No

What are the total hours needed to complete the program? **30**

On-line/Web-based Information

Reason for offering

Web-based Program

already ADHE approved for online delivery

Maximum Class Size n/a

for Web-based

Courses

Course delivery mode

| |
|------------------|
| Method(s) |
| Online |

Class interaction mode

| |
|-------------------|
| Method(s): |
| E-mail |

Percent Online

~~100%~~

100% with No Required Campus Component

Provide a List of
Services Supplied by
Consortia Partners or
Outsourced
Organization
previously supplied

Estimate Costs of the n/a
Program over the
First 3 Years

List Courses Taught
by Adjunct Faculty

Upload
Memorandum of
Understanding Forms
(if required)

Program Requirements and Description

Requirements

Requirements for Admission: A student must have a grade point average of at least 3.0 (based on a 4.0 system) on all undergraduate work, or a 3.0 average or above on the last 60 hours of undergraduate coursework.

Requirements for Graduate Degrees: In addition to the requirements of the Graduate School and the College of Engineering, the following departmental requirements must be satisfied by candidates for advanced degrees in electrical engineering.

Candidates for the Master of Science degree who present a thesis are required to complete a minimum of 24 semester hours of course work and six semester hours of thesis.

Candidates for the Master of Science degree who do not present a thesis are required to complete a minimum of 30 semester hours of course work.

Course work presented for the degree of Master of Science must include a minimum of 12 semester hours at the 5000- or 6000-level in electrical engineering. At least 15 (21 for non-thesis option) hours of the student's graduate course work must be ELEG courses. No more than six hours of ELEG 588V may be presented for degree credit.

Students who complete a B.S. degree in Electrical Engineering at the University of Arkansas, Fayetteville, with a GPA of 3.5 or greater may count towards the M.S. degree up to six hours of ELEG graduate-level coursework completed as an undergraduate student.

Students who are applying for the course work only M.S.E.E. degree through distance education may have

the GRE requirement waived providing the student meets the following conditions: The student must meet the following three criteria: (a) The student has passed an equivalent exam (like the Fundamentals of Engineering), (b) The student has a B.S. degree in electrical engineering from an ABET-Accredited program, or already completed a graduate degree (MSc or higher) in an engineering related field; and (c) The student has at least one year of professional working experience after completing a baccalaureate degree.

Candidates for the M.S.E.E. degree must take an M.S. Readiness Assessment exam during their first semester of graduate work. This exam is administered by the student’s major professor and advisory committee, and is designed to assess the student’s undergraduate preparation for his or her graduate work. The student may be required to take whatever undergraduate courses are deemed necessary in addition to the graduate courses specified in items 1-3.

The M.S.E.E. degree includes a distance education option for which students complete most or all of their coursework using distance education courses. The use of this option is subject to approval by the student's major professor, and to the availability of sufficient distance education courses in the student's specialty areas to enable completion of the M.S.E.E.

The M.S.E.E. degree will allow transfer of up to nine credit hours of graduate level coursework from universities with which the University of Arkansas has a "1+1" M.S.E.E. exchange program. This is an exception to the Graduate School rule that only six hours may be transferred. Each course transferred must be graduate level, and must be approved for transfer by the Electrical Engineering Graduate Committee. The transferred courses will not count toward the M.S.E.E. requirement for 5000 or 6000 level ELEG courses.

Any other conditions as stipulated in the departmental guidelines for master’s degrees.

Are Similar Programs available in the area?

Yes

List institutions in Arkansas offering similar programs

N/A

List institutions in the surrounding region offering similar programs

N/A

Why is the Program needed if offered at other institutions?

N/A

Estimated Student Demand for Program N/A

| | |
|-------------------------------------|---------------|
| Scheduled Program | 2023-2024 N/A |
| Review Date | |
| Program Goals and Objectives | |
| Program Goals and Objectives | |
| N/A | |
| Learning Outcomes | |
| Learning Outcomes | |
| N/A | |

Description and justification of the request

| Description of specific change | Justification for this change |
|---|---|
| <p>Allowing for automatic waiver of GRE requirement for students seeking M.S.E.E. through distance education. Electrical Engineering faculty voted in favor of allowing this waiver. This will allow applications to be processed without a waiver having to be requested each time. Most students applying for the M.S.E.E. through distance education meet one or both of these requirements.</p> | <p>Justification was provided in description prior to system upgrade.</p> |

Upload attachments

Reviewer Comments

Norman Dennis (ndennis) (05/17/17 2:41 pm): Rollback: You have eliminated entirely the requirement to have a BS degree in electrical engineering, much less from a ABET accredited program. You have eliminated the requirement for professional experience beyond the BS degree.

Patricia Koski (pkoski) (05/24/17 4:15 pm): Rollback: Rolled back at the request of Connie Howard

Alice Griffin (agriffin) (05/26/17 9:45 am): Rollback: Please review location of requested change. It appears to be an admission requirement.

Alice Griffin (agriffin) (09/14/17 4:00 pm): Changed effective date from fall 2014 to fall 2018. Selected course delivery mode and course interaction method, as well as entered total number of hours and program review date. College is encouraged to review and edit as appropriate (fields were required to make any edits).

Lisa Kulczak (lkulcza) (09/25/17 5:39 pm): Updated online delivery selected to reflect no required on campus component.

Juan Balda (jbalda) (09/29/17 11:23 am): Rollback: COE Academic Committee

