

Date Submitted: 09/24/19 8:35 am

Viewing: **INEGMS : Industrial Engineering,
Master of Science in Industrial Engineering**

Last approved: 02/02/16 10:51 am

Last edit: 11/07/19 1:41 pm

Changes proposed by: rossetti

Catalog Pages Using this Program

[Industrial Engineering.\(INEG\)](#)

Submitter: 575-6731 User ID: **rossetti calison** 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/changing Focused Study or Track)

Are you adding a concentration?
No

Are you adding or modifying a track?
No

Are you adding or modifying a focused study?
No

Effective Catalog Year: Fall 2020

College/School Code: College of Engineering (ENGR)

In Workflow

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

Approval Path

1. 09/20/19 2:21 pm Norman Dennis (ndennis): Approved for ENGR Dean Initial
2. 09/20/19 5:15 pm Pat Koski (pkoski):

Department Code

Department of Industrial Engineering (INEG)

Program Code

INEGMS

Degree

Master of Science in Industrial Engineering

CIP Code

Approved for GRAD

Dean Initial

3. 09/23/19 1:46 pm

Alice Griffin

(agriffin): Approved

for Director of

Program

Assessment and

Review

4. 09/23/19 5:47 pm

Lisa Kulczak

(lkulcza): Rollback to

ENGR Dean Initial

for Registrar Initial

5. 09/24/19 8:26 am

Norman Dennis

(ndennis): Rollback

to Initiator

6. 10/03/19 2:37 pm

Norman Dennis

(ndennis): Approved

for ENGR Dean

Initial

7. 10/03/19 2:38 pm

Pat Koski (pkoski):

Approved for GRAD

Dean Initial

8. 10/08/19 3:27 pm

Alice Griffin

(agriffin): Approved

for Director of

Program

Assessment and

Review

9. 10/08/19 4:41 pm

Lisa Kulczak

(lkulcza): Approved

for Registrar Initial

10. 10/09/19 8:22 am

Gary Gunderman

(ggunderm):

Approved for
Institutional
Research

11. 10/09/19 8:46 am

Ed Pohl (epohl):
Approved for INEG
Chair

12. 11/07/19 1:42 pm

Manuel Rossetti
(rossetti): Approved
for ENGR
Curriculum
Committee

13. 11/07/19 1:44 pm

Norman Dennis
(ndennis): Approved
for ENGR Faculty

14. 11/07/19 1:46 pm

Norman Dennis
(ndennis): Approved
for ENGR Dean

15. 11/07/19 1:53 pm

Suzanne Kenner
(skenner): Approved
for Global Campus

16. 11/08/19 7:37 am

Terry Martin
(tmartin): Approved
for Provost Review

History

1. Feb 2, 2016 by
Charlie Alison
(calison)

14.3501 - Industrial Engineering.

Program Title

Industrial Engineering, Master of Science in Industrial Engineering

Program Delivery

Method

On Campus

Is this program interdisciplinary?

No

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

No

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

Program Requirements and Description

Requirements

Prerequisites to the M.S.I.E. Degree Program:

There are no prerequisites for students with an undergraduate degree from an ABET-accredited industrial engineering program.

For students with a degree other than an ABET-accredited industrial engineering degree, prerequisite courses may be required.

Requirements for the Master of Science in Industrial Engineering Degree: In addition to the requirements of the Graduate School, the following departmental requirements must be satisfied by candidates for the M.S.I.E. degree:

Candidates who present a thesis are required to complete a minimum of 24 graduate credit hours plus six hours of [INEG 600V](#) Master's Thesis.

Candidates who present a project are required to complete a minimum of 27 graduate credit hours plus three hours of [INEG 513V](#) Master's Research Project and Report.

Candidates who do not present either a thesis or project are required to complete 30 semester hours of course work.

Candidates must successfully complete a master's oral examination that is conducted by the candidate's committee.

Courses Taken for Graduate Credit: A limited number of 4000-level courses may be taken for graduate credit. Attendance at INEG graduate seminar is required of all graduate students in Industrial Engineering.

Accelerated M.S.I.E. Degree

High-achieving current undergraduate students seeking a B.S.I.E. degree at the University of Arkansas who choose to pursue graduate studies in INEG may participate in the accelerated M.S.I.E. program. Eligible students may take up to 6 credit hours of 5000 INEG courses as technical electives for their bachelor's degree and those hours will also count towards their M.S.I.E. degree. In addition, students may take another 6 credit

hours of graduate degree credit as undergraduate students in order to apply them to their M.S.I.E. degree. These additional 6 hours of courses may not have been used towards the undergraduate degree and must meet the M.S.I.E. degree requirements. The total of 12 credit hours of graduate courses taken as an undergraduate student must be taken during the final 12 month period of their undergraduate degree. Once fully admitted to the M.S.I.E. program, students request that up to twelve hours of 5000 level or above courses taken in the final 12 month period of their undergraduate degree count toward their graduate degree, if these courses were taken on the University of Arkansas, Fayetteville campus. Students then take an additional 18 credit hours of approved INEG graduate level courses (including INEG 600V or INEG 513V) in order to complete their M.S.I.E. degree.

INEG undergraduate students interested in the accelerated MS IE degree should apply to the program prior to starting the 2nd to last semester of their undergraduate program. To be eligible students must have a 3.5 cumulative GPA or higher and submit the normal application materials required by the graduate school for the M.S.I.E. degree program. For students that have a cumulative GPA of 3.5 or higher, the submission of GRE scores is waived.

Students should also be aware of Graduate School requirements with regard to [master's degrees](#).

Are Similar Programs available in the area?

No

Estimated Student Demand for Program NA

Scheduled Program 2021-2022 ~~NA~~

Review Date

Program Goals and

Objectives

Program Goals and Objectives

1. Prepare students for significant applications of and contributions to Industrial Engineering beyond graduation.
2. Produce projects and theses which meet high academic standards and constitute significant applications of and contributions to Industrial Engineering. ~~NA~~

Learning Outcomes

Learning Outcomes

Learning Outcomes

1. Students will make satisfactory progress toward the degree, preparing to write a thesis which meets high academic standards and constitutes a significant contribution to Industrial Engineering.
2. Thesis students will be prepared to write a thesis which meets high academic standards and constitutes a significant contribution to Industrial Engineering.
3. Thesis students will write a thesis which meets high academic standards and constitutes a significant contribution to Industrial Engineering.
4. Project students will present a project which meets high academic standards and constitutes a significant application of Industrial Engineering.
5. Coursework students will demonstrate achievement of select course outcomes. 6. Students will be able to communicate effectively. ~~NA~~

Description and justification of the request

Description of specific change	Justification for this change
Added language to permit accelerated MSIE degree. This includes counting 6 graduate credit hours that count towards the BSIE to also count towards the MSIE	This is the same as CSCE's accelerated MS program. This change is requested to encourage current undergraduates to pursue graduate studies.

Upload attachments

Reviewer Comments

Alice Griffin (agriffin) (09/23/19 11:53 am): Inserted scheduled program review date.

Alice Griffin (agriffin) (09/23/19 1:29 pm): Inserted program goals and student learning outcomes from INEG's assessment plan.

Alice Griffin (agriffin) (09/23/19 1:33 pm): Inserted a period after numerous uses of M.S.I.E. for consistency in catalog copy.

Alice Griffin (agriffin) (09/23/19 1:44 pm): Minor edit to program requirements with permission from submitter.

Alice Griffin (agriffin) (09/23/19 1:46 pm): Hyperlinked INEG 600V and INEG 513V in program requirements.

Lisa Kulczak (lkulcza) (09/23/19 5:47 pm): Rollback: Per request from Norm Dennis.

Norman Dennis (ndennis) (09/24/19 8:26 am): Rollback: Per Ed's request, I am rolling this back. It will not be approved at the provost level as it is currently written.