

Date Submitted: 10/09/24 11:13 am

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

Last approved: 10/04/24 3:13 pm

Last edit: 12/02/24 1:44 pm

Changes proposed by: ashlea

Catalog Pages Using this Program

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

Submitter:	User ID:	ashlea	Phone:
575-3702			
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 Certificate, Degree or Program (including 15 or fewer hours, admission/graduation requirements, Focused Studies or Tracks)			
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 2025		
College/School Code	College of Engineering (ENGR)		
Department Code	Department of Industrial Engineering (INEG)		

In Workflow

1. ENGR Dean Initial
2. GRAD Dean Initial
3. Director of Curriculum Review and Program Assessment
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. Graduate Council
13. Faculty Senate
14. Provost Final
15. Registrar Final
16. Catalog Editor Final

Approval Path

1. 10/10/24 10:18 am
Kevin Hall (kdhall):
Approved for ENGR Dean Initial
2. 10/10/24 10:59 am
Ed Bengtson (egbengts):
Approved for GRAD Dean Initial
3. 11/26/24 9:35 am
Lisa Kulczak (lkulcza): Approved for Director of Curriculum Review

Program Code INEGMS
 Degree Master of Science in Industrial Engineering
 CIP Code

- and Program Assessment
4. 12/02/24 1:45 pm
Gina Daugherty (gdaugher): Approved for Registrar Initial
 5. 12/02/24 2:16 pm
Doug Miles (dmiles): Approved for Institutional Research
 6. 12/02/24 2:43 pm
Chase Rainwater (cer): Approved for INEG Chair
 7. 01/15/25 8:27 am
Manuel Rossetti (rossetti): Approved for ENGR Curriculum Committee
 8. 01/15/25 10:58 am
Kevin Hall (kdhall): Approved for ENGR Faculty
 9. 01/15/25 10:59 am
Kevin Hall (kdhall): Approved for ENGR Dean
 10. 01/15/25 11:02 am
Suzanne Kenner (skenner): Approved for Global Campus
 11. 01/15/25 11:50 am
Jim Gigantino (jgiganti): Approved for Provost Review
 12. 01/17/25 11:09 am
Phyllis Howell (pahowell):

- Approved for Graduate Council
- 13. 01/17/25 11:12 am
Samantha Robinson (sewrob): Approved for Faculty Senate
- 14. 01/17/25 1:46 pm
Jim Gigantino (jgiganti): Rollback to Faculty Senate for Provost Final

History

1. Feb 2, 2016 by Charlie Alison (calison)
2. May 18, 2020 by Manuel Rossetti (rossetti)
3. Jan 16, 2024 by Gina Daugherty (gdaugher)
4. May 1, 2024 by ashlea
5. Oct 4, 2024 by Jean Mitchell (jem03)

14.3501 - Industrial Engineering.

Program Title

Industrial Engineering, Master of Science in Industrial Engineering

Program Delivery

Method

On Campus

Is this program interdisciplinary between two or more colleges or schools?

No

Do the proposed changes impact any specific course(s) from another college or school?

No

What are the total hours needed to 30

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 6000V](#) Master's Thesis.

Candidates who present a project are required to complete a minimum of 27 graduate credit hours plus three hours of [INEG 5130V](#) 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~~ [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 applied toward their bachelor's degree and those hours will also count towards their M.S.I.E. degree.~~ [Eligible](#) ~~In addition,~~ students may take [up to 12](#) ~~another 6~~ credit hours of graduate degree credit ~~and as undergraduate students in order to~~ apply them [towards both](#) to their [bachelor's degree and their](#) M.S.I.E. ~~degree.~~ [degree, provided those credits meet](#) ~~These additional 6 hours of courses may not have been used toward the undergraduate~~ degree [requirements for both the bachelor's 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 12 hours of [5000-level](#) ~~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 Fayetteville campus of the University of Arkansas. Students then take an additional 18 credit hours of approved INEG graduate-level courses (including [INEG 6000V](#) or [INEG 5130V](#)) in order to complete their M.S.I.E. [degree.](#)

~~degree.~~ Industrial engineering undergraduate students interested in the accelerated M.S.I.E. degree should apply to the program prior to starting the second-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.

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 NA

Demand for Program

Scheduled Program 2028-2029

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.

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.

Description and justification of the request

Description of specific change	Justification for this change
<p>1) Two references to 4-digit course numbers were updated to refer to 5-digit course numbers.</p> <p>2) For students in the Accelerated M.S.I.E. program, increase the number of graduate credit hours that students may count towards both their bachelor's degree and M.S.I.E. from 6 hours to 12 hours.</p>	<p>1) Updates from 4-digit to 5-digit course references are made to be consistent with the current university course numbering system.</p> <p>2) This change brings the Accelerated M.S.I.E into alignment with the Accelerated M.S.O.M., another Accelerated degree program administered by our department.</p>

Upload attachments

Reviewer Comments

Lisa Kulczak (lkulcza) (11/26/24 9:34 am): Updated effective date from fall 2024 to fall 2025.

ATTENTION REGISTRAR: Please remove Undergraduate Council from the workflow.

Gina Daugherty (gdaugher) (12/02/24 1:44 pm): Undergraduate Council removed from workflow.

Jim Gigantino (jgiganti) (01/17/25 1:46 pm): Rollback: Rollback--this was approved in error. It has not been presented at faculty senate yet

Key: 334