

Date Submitted: 02/11/19 10:47 am

Viewing: **INEGPH : Engineering (Industrial Engineering), Doctor of Philosophy**

Last edit: 03/01/19 8:48 am

Changes proposed by: rossetti

Catalog Pages Using
this Program

[Engineering, College of \(ENGR\).](#)

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

Submitter: **479-575-3156** User ID: **rossetti** 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 a track?

No

Are you adding a focused study?

No

Effective Catalog Year Fall 2019

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 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. ADE Licensure Approval
17. Provost's Office-- Notification of Approval
18. Registrar Final
19. Catalog Editor Final

Approval Path

1. 10/27/17 3:25 pm
Norman Dennis (ndennis): Approved for ENGR Dean Initial

Program Code INEGPH
 Degree Doctor of Philosophy
 CIP Code

2. 10/27/17 4:18 pm
Pat Koski (pkoski):
Approved for GRAD
Dean Initial
3. 10/29/17 1:01 pm
Alice Griffin
(agriffin): Approved
for Director of
Program
Assessment and
Review
4. 11/02/17 10:33 am
Lisa Kulczak
(lkulcza): Approved
for Registrar Initial
5. 11/02/17 5:41 pm
Ed Pohl (epohl):
Approved for INEG
Chair
6. 11/07/17 2:07 pm
Manuel Rossetti
(rossetti): Approved
for ENGR
Curriculum
Committee
7. 11/08/17 9:02 am
Norman Dennis
(ndennis): Approved
for ENGR Faculty
8. 11/08/17 9:11 am
Norman Dennis
(ndennis): Approved
for ENGR Dean
9. 11/08/17 1:14 pm
Kiersten Bible
(kbible): Approved
for Global Campus
10. 11/10/17 10:42 am
Terry Martin

- (tmartin): Approved
for Provost Review
11. 11/20/17 2:52 pm
Alice Griffin
(agriffin): Approved
for University
Course and Program
Committee
12. 01/19/18 4:14 pm
Pat Koski (pkoski):
Rollback to ENGR
Dean Initial for
Graduate
Committee
13. 01/26/18 8:34 pm
Norman Dennis
(ndennis): Approved
for ENGR Dean
Initial
14. 01/30/18 3:32 pm
Pat Koski (pkoski):
Approved for GRAD
Dean Initial
15. 01/30/18 3:39 pm
Alice Griffin
(agriffin): Approved
for Director of
Program
Assessment and
Review
16. 02/02/18 10:40 am
Lisa Kulczak
(lkulcza): Approved
for Registrar Initial
17. 02/02/18 10:41 am
Lisa Kulczak
(lkulcza): Approved
for INEG Chair
18. 02/02/18 10:42 am
Lisa Kulczak

- (lkulcza): Approved
for ENGR
Curriculum
Committee
19. 02/02/18 10:42 am
Lisa Kulczak
(lkulcza): Approved
for ENGR Faculty
20. 02/02/18 12:08 pm
Norman Dennis
(ndennis): Approved
for ENGR Dean
21. 02/02/18 3:25 pm
Kiersten Bible
(kbible): Approved
for Global Campus
22. 02/06/18 12:55 pm
Terry Martin
(tmartin): Approved
for Provost Review
23. 02/06/18 3:16 pm
Alice Griffin
(agriffin): Approved
for University
Course and Program
Committee
24. 02/06/18 3:20 pm
Pat Koski (pkoski):
Approved for
Graduate
Committee
25. 04/03/18 11:35 am
Kevin Hall (kdhall):
Rollback to GRAD
Dean Initial for
Faculty Senate
26. 04/20/18 2:15 pm
Pat Koski (pkoski):
Rollback to Initiator

27. 02/07/19 10:49 am
Norman Dennis
(ndennis): Rollback
to Initiator
28. 02/11/19 2:23 pm
Norman Dennis
(ndennis): Approved
for ENGR Dean
Initial
29. 02/11/19 2:30 pm
Pat Koski (pkoski):
Approved for GRAD
Dean Initial
30. 02/13/19 11:13 am
Alice Griffin
(agriffin): Approved
for Director of
Program
Assessment and
Review
31. 02/19/19 3:36 pm
Lisa Kulczak
(lkulcza): Approved
for Registrar Initial
32. 02/19/19 3:38 pm
Gary Gunderman
(ggunderm):
Approved for
Institutional
Research
33. 02/20/19 11:18 am
Ed Pohl (epohl):
Approved for INEG
Chair
34. 02/22/19 1:09 pm
Manuel Rossetti
(rossetti): Approved
for ENGR
Curriculum
Committee

35. 02/24/19 9:50 pm
Norman Dennis
(ndennis): Approved
for ENGR Faculty
36. 02/24/19 10:26 pm
Norman Dennis
(ndennis): Approved
for ENGR Dean
37. 02/25/19 11:44 am
Leigh Ann Marshall
(lamarsh): Approved
for Global Campus
38. 02/27/19 6:15 pm
Terry Martin
(tmartin): Approved
for Provost Review
39. 03/18/19 10:56 am
Alice Griffin
(agriffin): Approved
for University
Course and Program
Committee
40. 04/18/19 4:44 pm
Pat Koski (pkoski):
Approved for
Graduate
Committee

14.0101 - Engineering, General.

Program Title

Engineering (Industrial Engineering), Doctor of Philosophy

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 **42 beyond the**
 hours needed to **Masters**
 complete the
 program?

Program Requirements and Description

Requirements

In addition to the requirements of the Graduate **School and those established School, the following requirements have been established** by the College of Engineering for all doctoral **graduates, the following requirements have been established for INEG doctoral** graduates:

A minimum of 72 semester hours of graduate-level credit beyond the bachelor's degree.

A minimum of 42 semester hours of graduate-level credit beyond the master's **degree of which a minimum of 21 semester hours shall be approved graduate level courses and a minimum of 21 semester hours of dissertation hours (INEG 700V).** ~~degree.~~

Students admitted with a BS degree must complete their initial 30 semester hours out of the 72 total at the 5000 level or above, with the remaining 42 semester hours subject to the rule stated in paragraph 2 above.

INEG PhD students pass a Qualifier Exam over a subset of topics in Industrial Engineering determined by the student's Doctoral Advisory Committee. Students may fail the exam once and retake it. Students who fail the exam twice will be dismissed from the PhD program.

Are Similar Programs available in the area?

No

Estimated Student **30**
 Demand for Program

Scheduled Program **2021-2022**
 Review Date

Program Goals and
 Objectives

Program Goals and Objectives

Prepare students for independent research in Industrial Engineering.

Prepare students to contribute new knowledge of fundamental importance.

Contribute new knowledge of fundamental importance or significantly modify, amplify, or interpret existing knowledge in a new and important manner.

Learning Outcomes

Learning Outcomes

Learning Outcomes

Students will make satisfactory progress toward the degree, preparing for independent research to contribute new knowledge of fundamental importance to Industrial Engineering.

Students will be prepared for independent research in Industrial Engineering.

Students will be prepared to contribute new knowledge of fundamental importance to Industrial Engineering.

Students will contribute new knowledge of fundamental importance to Industrial Engineering or significantly modify, amplify or interpret existing knowledge in a new and important manner.

Students will be able to communicate effectively.

Description and justification of the request

Description of specific change	Justification for this change
<p>Changed 54 hours past MS to 42 hours past MS and clarified that 21 of those hours should be course work.</p> <p>Made it clearer in the catalog that INEG students have a qualifier exam</p>	<p>Reduced course work hours to be in line with other COE PhD programs and with peer institutions.</p> <p>Students were confused about the qualifier exam requirement.</p> <p>Submitter was confused about previous rollback request concerning 54 hours. The change should have been done together.</p> <p>Added bullet 3 because of rollback</p>

Upload attachments

[INEGPH - Correspondence.pdf](#)

Reviewer Comments

Alice Griffin (agriffin) (11/10/17 12:40 pm): Changed minimum hours from 42 to 54 beyond the master's degree with permission from college (see attached correspondence).

Pat Koski (pkoski) (01/19/18 4:14 pm): Rollback: Per Graduate Council vote

Alice Griffin (agriffin) (01/30/18 3:39 pm): This request was previously approved by UCPC. Grad Council voted to make some minor changes. It was mistakenly rolled back to ENGR Dean Initial rather than ENGR Dean.

Lisa Kulczak (lkulcza) (02/02/18 10:41 am): Administratively moving this back to ENGR Dean.

Lisa Kulczak (lkulcza) (02/02/18 10:42 am): Administratively moving this back to ENGR Dean.

Lisa Kulczak (lkulcza) (02/02/18 10:42 am): Administratively moving this back to ENGR Dean.

Kevin Hall (kdhall) (04/03/18 11:35 am): Rollback: Rollback per request of GRAD Dean

Pat Koski (pkoski) (04/20/18 2:15 pm): Rollback: Program requested that proposal be sent back

Norman Dennis (ndennis) (02/07/19 10:49 am): Rollback: Per our conversation and your request.

Norman Dennis (ndennis) (02/11/19 2:23 pm): specified where 'above' was.

Alice Griffin (agriffin) (02/13/19 11:12 am): Updated scheduled program review date, as approved by Senior Vice Provost.

Alice Griffin (agriffin) (03/01/19 8:48 am): Effective fall 2019 pending successful completion of the approval process.