# Program Change Request

Date Submitted: 02/21/22 2:26 pm

## Viewing: **OPMGGC : Operations Management Graduate Certificate**

Last approved: 11/18/21 1:37 pm

Last edit: 02/21/22 2:26 pm

Changes proposed by: richardh

Catalog Pages Using
this Program

[Operations Management (OPMG)](#)

| Submitter: 4795755521 | User ID: | richardh | Phone: |
|---|---|---|---|

| | |
|---|---|
| Program Status | Active |
| Academic Level | Graduate |
| Type of proposal | Certificate |

Select a reason for this modification
Making Minor Changes to an Existing Certificate or Degree (e.g. changing 15 or fewer hours, changing admission/graduation requirements, adding/changing Focused Study or Track)

| | |
|---|---|
| Effective Catalog Year | Summer 2022 |
| College/School Code | College of Engineering (ENGR) |
| Department Code | Department of Industrial Engineering (INEG) |
| Program Code | OPMGGC |
| Degree | Graduate Certificate |
| CIP Code | |

## 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. **University Course and Program Committee**
13. Graduate Council
14. Faculty Senate
15. Provost Final
16. Registrar Final
17. Catalog Editor Final

## Approval Path

1. 02/21/22 2:43 pm
   Kevin Hall (kdhall):
   Approved for ENGR
   Dean Initial
2. 02/21/22 2:47 pm
   Jim Gigantino
   (jgiganti): Approved

for GRAD Dean
Initial

3. 02/23/22 10:52 am
Alice Griffin
(agriffin): Approved
for Director of
Curriculum Review
and Program
Assessment

4. 02/24/22 11:41 am
Gina Daugherty
(gdaugher):
Approved for
Registrar Initial

5. 02/24/22 12:33 pm
Doug Miles
(dmiles): Approved
for Institutional
Research

6. 02/28/22 4:53 pm
Ed Pohl (epohl):
Approved for INEG
Chair

7. 03/03/22 1:48 pm
Manuel Rossetti
(rossetti): Approved
for ENGR
Curriculum
Committee

8. 03/08/22 10:04 am
Kevin Hall (kdhall):
Approved for ENGR
Faculty

9. 03/08/22 10:04 am
Kevin Hall (kdhall):
Approved for ENGR
Dean

10. 03/08/22 10:07 am
Suzanne Kenner

(skenner): Approved for Global Campus

11. 03/08/22 10:25 am Ketevan Mamiseishvili (kmamisei): Approved for Provost Review

## History

1. Nov 18, 2021 by Rich Ham (richardh)

15.1501 - Engineering/Industrial Management.

Program Title

Operations Management Graduate Certificate

Program Delivery
Method

On Campus

Off 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?     12

# Off Campus Information

Off Campus
Location(s)

| Location Name | Address | Distance from Main Site |
| --- | --- | --- |

| Location Name | Address | Distance from Main Site |
|---|---|---|
| Walton College at 2nd and Main | 119 S Main St Little Rock, Arkansas 72201 | 186 |
| North Central Florida - Hurlburt AFB | 221 Lukaski Ave., Hurlburt Field, FL 32544 | 729 |
| Naval Air Station Millington, Tennessee | 5750 Millington, TN 38504 | 335 |

Reason for Offering
Program Off Campus

During marketing surveys, current and potential students have indicated a desire for graduate certificates focusing on specific disciplines within operations management. Military students showed particular interest in the programs. This initiative led to MSOM certificates in Project Management, Lean Six Sigma and Homeland Security Operations which has resulted in more than 198 certificates awarded since 2018. A new need emerged from student interest; students with an undergraduate degree or an MS in another discipline (e.g., M.S. in Engineering or M.S. in Engineering Management) seeking a broad understanding of operations management to upgrade skills or prepare for operations management positions. May be used as an entry to the Master of Science in Operations Management, but cannot be awarded concurrently with the degree.

Fifty percent of the
credits required will
be offered

Both - off-campus location and distance technology

Will Students complete all Program Requirements at this Location?

No

Where will the
Program be
completed?

Online

Upload
Memorandum of
Understanding Forms
(if required)

# On-line/Web-based Information

Reason for offering
Web-based Program

Market research and needs assessment indicate working professionals prefer the flexibility of online instruction. Additionally, needs expressed by students in the MSOM, MSEM and MSE programs prefer the flexibility of 5 8-week terms. The attached survey shows decision-makers in Arkansas companies believe an option for mixed methods including web-based/online instruction is an important part of any program.

Maximum Class Size for Web-based Courses        35

Course delivery mode

| Method(s) |
|---|
| Blended Delivery Methods |

Describe Blended Delivery Methods

Student has the option of taking classes in several different modes depending on their timeline for program completion. Face-to-face instruction will be offered on-site. However, If a student prefers, they can receive on-line instruction via synchronous or pre-recorded video. Both methods of course completion will be available to the student.

Class interaction mode

| Method(s): |
|---|
| Electronic Bulletin Boards |

Percent Online

100% with No Required Campus Component
50-99%

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

None

Estimate Costs of the Program over the First 3 Years        Absorbed in current program costs. No additional course development required. See spreadsheet attched.

List Courses Taught
by Adjunct Faculty

Upload
Memorandum of
Understanding Forms
(if required)

# Program Requirements and Description

Requirements

**Admissions requirements:**

Conferred bachelor of science **recognized** ~~in a STEM program designed~~ by the US Department of Education.

Admitted by the graduate school as non-degree seeking student.

Applicants with a 3.0 or better not required to take the GRE; program director may evaluate admission based on evidence of potential success with a GPA of 2.5 or better.

**Requirements for the Operations Management Graduate Certificate:**

Core Courses (9 hours)

| | | |
|---|---|---|
| OMGT 5003 | Introduction to Operations Management | 3 |
| OMGT 5783 | Project Management for Operations Managers | 3 |
| OMGT 5473 | Lean Six Sigma | 3 |
| Electives (select one) | | 3 |
| OMGT 5253 | Leadership Principles and Practices | |
| OMGT 5873 | Organizing for Change | |
| OMGT 5013 | Supply Chain Management for Operations Managers | |
| OMGT 5373 | Quality Management | |
| OMGT/INEG 5433 | Cost Estimation Models | |
| OMGT 5673 | Principles of Operations Research | |
| Total Hours | | 12 |

Are Similar Programs available in the area?

No

Estimated Student
Demand for Program

25

Scheduled Program
Review Date

2028-2029

Program Goals and
Objectives

| Program Goals and Objectives |
|---|
| Program Goals:<br><br>1. Provide internationally competitive and industry-recognized education to meet emerging needs of engineering, engineering management, and operations management professionals.<br>2. Prepare students to assume leadership roles in industry and government employing the 10 operations management decisions.<br><br>Program Objectives:<br><br>1. Select and apply the appropriate tools and analysis methods to improve operations in the 10 operations management decisions: goods and services, quality management, process and capacity management, location, layout design and strategy, human resources and job design, supply chain, management, inventory, scheduling, and maintenance<br>2. Be able to plan and lead projects to improve operations.<br>3. Use Lean Six Sigma to translate customer feedback and enterprise goals into operation management improvements.<br>4. Concisely communicate to decision-makers. |

Learning Outcomes

| Learning Outcomes |
|---|
| Expected student learning outcomes<br>1. Develop broad competencies in the 10 operations management decisions.<br>2. Demonstrate skills to lead operations management projects to provide new or improved operations to deliver products and services.<br>3. Apply problem-solving using Lean Six Sigma to improve operations management processes. |

Description and justification of the request

| Description of specific change | Justification for this change |
|---|---|
| Corrected administrative error. Removed requirement for STEM degree for admission to match the MSOM master of science program admission requirement. | Administrative error. |

Upload attachments

Reviewer Comments

Key: 817