

# Program Change Request

## New Program Proposal

Date Submitted: 10/20/21 3:30 pm

### Viewing: **OMDSGM : Decision Support for Operations Managers Graduate MicroCertificate**

Last edit: 11/03/21 3:50 pm

Changes proposed by: richardh

Submitter:	User ID:	richardh	Phone:
4795755521			
Program Status	Active		
Academic Level	Graduate		
Type of proposal	MicroCertificate		
Select a reason for this new program	Adding a New Graduate MicroCertificate		
Effective Catalog Year	Summer 2022		
College/School Code	College of Engineering (ENGR)		
Department Code	Department of Industrial Engineering (INEG)		
Program Code	OMDSGM		
Degree	Graduate MicroCertificate		
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. 11/03/21 2:33 pm  
Kevin Hall (kdhall):  
Approved for ENGR Dean Initial
2. 11/03/21 2:44 pm  
Pat Koski (pkoski):  
Approved for GRAD Dean Initial

3. 11/03/21 3:51 pm  
Alice Griffin  
(agriffin): Approved  
for Director of  
Curriculum Review  
and Program  
Assessment
4. 11/09/21 1:11 pm  
Gina Daugherty  
(gdaugher):  
Approved for  
Registrar Initial
5. 11/10/21 10:38 am  
Doug Miles  
(dmiles): Approved  
for Institutional  
Research
6. 11/10/21 10:42 am  
Ed Pohl (epohl):  
Approved for INEG  
Chair
7. 12/03/21 7:36 am  
Manuel Rossetti  
(rossetti): Approved  
for ENGR  
Curriculum  
Committee
8. 12/17/21 1:59 pm  
Kevin Hall (kdhall):  
Approved for ENGR  
Faculty
9. 12/17/21 3:06 pm  
Kevin Hall (kdhall):  
Approved for ENGR  
Dean
10. 12/17/21 5:00 pm  
Suzanne Kenner  
(skenner): Approved  
for Global Campus

- 11. 12/21/21 9:09 am  
Ketevan  
Mamiseishvili  
(kmamisei):  
Approved for  
Provost Review
- 12. 01/28/22 4:38 pm  
Alice Griffin  
(agriffin): Approved  
for University  
Course and Program  
Committee
- 13. 02/17/22 2:11 pm  
Jim Gigantino  
(jgiganti): Approved  
for Graduate  
Council

15.1501 - Engineering/Industrial Management.

Program Title

Decision Support for Operations Managers Graduate MicroCertificate

Program Delivery

Method

Online/Web-based

Is this program interdisciplinary?

No

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

No

What are the total       6  
hours needed to  
complete the  
program?

## **On-line/Web-based Information**

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Reason for offering

Web-based Program

Students are working professionals who need flexible course offerings.

Maximum Class Size 35  
for Web-based  
Courses

Course delivery  
mode

<b>Method(s)</b>
Blended Delivery Methods

Describe Blended  
Delivery Methods

Hybrid, lecture, video synchronous, asynchronous delivery methods.

Class interaction  
mode

<b>Method(s):</b>
Other

Specify Other

Interaction Methods

All synchronous and asynchronous tools are available in current classes. Includes, but is not limited to video, discussion boards, email, synchronous video, and self-paced materials.

Percent Online

100% with No Required Campus Component  
50-99%

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

Normal university-supported services; LinkedIn Learning, Blackboard.

Estimate Costs of the 1000  
Program over the  
First 3 Years

List Courses Taught  
by Adjunct Faculty

Upload  
Memorandum of  
Understanding Forms  
(if required)

# Program Requirements and Description

## Requirements

Admission Requirements: The Decision Support for Operations Managers Graduate MicroCertificate credential is open to students with a STEM undergraduate degree. Course pre-requisites or departmental consent for some courses may be required.

Students must apply for the Decision Support for Operations Managers Graduate MicroCertificate credential and be admitted to the Graduate School; the GRE requirement is waived for the Decision Support for Operations Managers Graduate MicroCertificate credential.

Students with an accredited undergraduate degree who complete the Graduate MicroCertificate may apply to Graduate Certificates in Engineering Management, Project Management, Operations Management, Lean Six Sigma, Homeland Security, and the Master of Science in Operations Management.

Requirements for the Decision Support for Operations Managers Graduate MicroCertificate (6 hours):

Required Courses (6 hours)

<a href="#">OMGT 5443</a>	Decision Models	3
or <a href="#">INEG 5443</a>	Decision Models	
<a href="#">OMGT 5833</a>	Decision Support Application Development for Operations Management	3
Total Hours		6

## Program Costs

Cost less than \$1000 for miscellaneous costs such as instructor materials, No new course development is required. The MicroCertificate uses existing courses.

## Library Resources

No additional library resources are required.

## Instructional

### Facilities

No additional instructional facilities are required.

## Faculty Resources

Additional faculty not required.

List Existing Certificate or Degree Programs that Support the Proposed Program

Program(s)
OPMGMS - Operations Management, Master of Science in Operations Management

Are Similar Programs available in the area?

No

Estimated Student Demand for Program 25

Scheduled Program Review Date na

Program Goals and Objectives

**Program Goals and Objectives**

Program Goals:

1. Allow students to quantitatively and critically evaluate operational decisions.
2. Support data-driven decision-making in operations management.
3. Communicate optimal decisions, supported by data analysis and visualizations, to decision-makers and stakeholders.

Program Objectives:

1. Provide skills so students can frame multidimensional operations management decisions, identify tradeoffs and select optimal levels of benefits, costs and risks.
2. Acquire skills to gather, organize, analyze and visualize large volumes of operational data to support data-driven decision-making.
3. Prepare students to communicate results of decision analysis, including trade-offs between alternatives, to decision-makers and stakeholders.

Learning Outcomes

**Learning Outcomes**

Expected Student Learning Outcomes:

1. Develop and implement a mathematically sound decision process for single or multiple objective decisions, with both known and uncertain inputs.
2. Scrub, join, and analyze disparate data from multiple sources to support operations management decision-making.
3. Analyze and visualize multi-dimensional datasets.
4. Communicate data and analysis results to support operations management decision-making.

Description and Justification for this request

**Description of request**

**Justification for request**

Description of request	Justification for request
Adding new MicroCertificate based on student and industry demand.	Market research and student feedback point toward a growing need for flexibility in program offerings based on working professionals, travel schedules, and family requirements.

Upload attachments

Reviewer Comments

**Alice Griffin (agriffin) (11/03/21 3:47 pm):** Changed effective date from spring to summer 2022. This request is too late to complete approval before the start of the spring semester.

**Alice Griffin (agriffin) (11/03/21 3:50 pm):** Inserted "Graduate" to MicroCertificate in introductory paragraph and requirements statement for consistency.