

**From:** [Kowalsky, Lisa](#)  
**To:** [Reed, Katie](#)  
**Cc:** [Quinzon-Bonello, Rosario](#); [Miriti, Maria](#)  
**Subject:** Forwarding Informational Item: College of Engineering  
**Date:** Tuesday, April 16, 2024 10:38:49 AM  
**Attachments:** [MGEL\\_Proq\\_Change\\_remove\\_ENGR\\_7200\\_GS.pdf](#)  
[image001.png](#)

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Dear Katie,

Please find attached an Informational Item from the College of Engineering. Associate Dean Miriti has reviewed the file and supports its elevation to CAA. Please let me know if there are any questions or concerns.

Best,  
Lisa



**Lisa Clouser (Kowalsky)**

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Pronouns: she/her/hers



## Memo

To: Dean Maria Miriti, Graduate School  
From: Rosie Quinzon-Bonello, Assistant Dean for Curriculum and Assessment  
Date: April 15, 2024  
Re: Master of Global Engineering Leadership (MGEL) Degree Program Change

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On April 15, 2024, the College of Engineering Committee for Academic Affairs (CCAA) unanimously approved the following program change proposal submitted by the MGEL Graduate Studies Committee and the College of Engineering Office of Professional Education and Distance Learning:

- Removal of ENGR 7200 Ethics and Professionalism (1 credit hour)
- Reduction of credit hours for the MGEL degree from 31 to 30 credit hours.

The proposal is attached.

Yours sincerely,

  
Rosie Quinzon-Bonello

## **College of Engineering**

### **Proposal to remove ENGR 7200 Ethics and Professionalism from the Master of Global Engineering Leadership Degree**

**March 20, 2024**

#### **Executive Summary**

We are proposing to remove the ENGR 7200 Ethics and Professionalism (1 credit hour) course from the curriculum of the online Master of Global Engineering Leadership (MGEL) degree. The change is needed because of 1) the declining enrollment of students in the MGEL degree, 2) the current instructor is no longer willing to teach the course due to the low compensation, and 3) it's not economically feasible to provide adequate compensation to an instructor for teaching the course due to the low enrollment.

The topics of Ethics and Professionalism are covered in our MGEL required courses ENGR 6210 Leadership and Team Effectiveness, and ENGR 6240 Operational Excellence for Engineers. The change will decrease the MGEL degree requirement from 31 credit hours to 30 credit hours. This change will also make the MGEL degree credit hours consistent with other master's degrees including the online Master of Engineering Management (MEM) degree which is 30 credit hours.

#### **Proposal**

We are proposing to remove the ENGR 7200 Ethics and Professionalism (1 credit hour) course from the curriculum of the online Master of Global Engineering Leadership (MGEL) degree. The change is needed because of 1) the declining enrollment of students in the MGEL degree, 2) the current instructor is no longer willing to teach the course due the low compensation, and 3) it's not economically feasible to provide adequate compensation to an instructor for teaching the course due to the low enrollment. The topics of Ethics and Professionalism are covered in our MGEL required courses ENGR 6210 Leadership and Team Effectiveness, and ENGR 6240 Operational Excellence for Engineers.

#### **Background and Rationale**

The College of Engineering launched the online Master of Global Engineering Leadership (MGEL) degree in Autumn 2014. The MGEL curriculum includes required core courses in engineering management, a one-credit hour Ethics and Professionalism course, a technical track specialization that consists of four courses in a specific engineering discipline, and ENGR 6240 Operational Excellence for Engineers as the culminating capstone course. It is proposed to remove ENGR 7200 Ethics and Professionalism. The change will decrease the MGEL degree from 31 credit hours to 30 credit hours. This change will also make the MGEL degree required

credit hours consistent with other master's degrees including the online Master of Engineering Management (MEM) degree which is 30 credit hours.

The ENGR 7200 Ethics and Professionalism course was originally included in the MGEL degree to provide students with an opportunity to learn professionalism and ethical decision-making strategies. The course topics including codes of ethics, conduct, value adherence, integrity, social accountability are already also included in two other MGEL required courses, ENGR 6210 and ENGR 6240. Removing ENGR 7200 as a required course will therefore reduce duplication and it will not eliminate this subject matter from being part of the degree curriculum.

In Autumn 2020, the college launched the online Master of Engineering Management (MEM) degree. This degree has quickly grown to be a more popular choice than the MGEL degree resulting in decreasing enrollment in the MGEL degree which is impacting enrollment in ENGR 7200. MGEL enrollment in the ENGR 7200 for the last four years has been the following: AU20 (7) students, AU21 (14) students, AU22 (2) students, AU23 (6) students. Because of these lower enrollment numbers, it is not economically feasible to offer the course. It's also not possible to provide adequate compensation to someone to teach the course. There are no longer any similar online engineering courses or engineering faculty available to teach the course. For the past several years, the program has hired a non-OSU professional to teach the course.

### **Programmatic Changes**

The course topics including codes of ethics, conduct, value adherence, integrity, social accountability are already included in two MGEL required courses, ENGR 6210 and ENGR 6240. Removing ENGR 7200 as a required course will therefore reduce duplication and it will not eliminate this subject matter from being part of the degree curriculum.

The change will decrease the MGEL degree requirement from 31 credit hours to 30 credit hours. This change will also make the MGEL degree credit hours consistent with other master's degrees including the online Master of Engineering Management (MEM) degree which is 30 credit hours.

### **Impact on the College**

This program change will have no impact on any of the engineering departments.

### **MGEL Curriculum**

The current curriculum (minimum 31 credit hours)

*Core courses (16-18 credit hours)*

ENGR 6210 Leadership and Team Effectiveness*	3 cr hrs
ENGR 6220 Accounting/Finance for Engineers	3 cr hrs
ENGR 6230 Technology Strategy & Innovation Mgmt	3 cr hrs
ENGR 7200 Engineering Ethics and Professionalism	1 cr hrs
PUBAFRS 5750 Business-Government Relationship	3 cr hrs
PUBAFRS 6050 Management in Public Agencies*	4 cr hrs
ISE 5810 Lean Sigma Foundations**	4 cr hrs
ISE 6801 Project Management**	3 cr hrs

\*Students select either ENGR 6210 or PUBAFRS 6050.

\*\* Students select either ISE 5810 or ISE 6801.

*Technical Track Specialization* 12 cr hrs

*Capstone Course*

ENGR 6240 Operational Excellence for Engineers 3 cr hrs

Proposed new curriculum (minimum 30 credit hours)

*Core courses (15-17 credit hours)*

ENGR 6210 Leadership and Team Effectiveness*	3 cr hrs
ENGR 6220 Accounting/Finance for Engineers	3 cr hrs
ENGR 6230 Technology Strategy & Innovation Mgmt	3 cr hrs
PUBAFRS 5750 Business-Government Relationship	3 cr hrs
PUBAFRS 6050 Management in Public Agencies*	4 cr hrs
ISE 5810 Lean Sigma Foundations**	4 cr hrs
ISE 6801 Project Management**	3 cr hrs

\*Students select either ENGR 6210 or PUBAFRS 6050.

\*\* Students select either ISE 5810 or ISE 6801.

*Technical Track Specialization* 12 cr hrs

*Capstone Course*

ENGR 6240 Operational Excellence for Engineers 3 cr hrs

For questions please contact either:

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