



Memo

To: Randy Smith, Vice Provost for Academic Programs
From: Rosie Quinzon-Bonello, Assistant Dean for Curriculum and Assessment
Date: November 16, 2023
Re: Informational Item – Program Change to Industrial and Systems Engineering UG Program

On November 9, 2023, the College of Engineering Committee on Academic Affairs approved the request submitted by the Industrial and Systems Engineering undergraduate program to remove PUBAFRS 5620 as a capstone option.

Yours sincerely,


Rosie Quinzon-Bonello



20 Oct. 2023

Rosario (Rosie) Quinzon-Bonello, M.Ed.
Assistant Dean for Curriculum and Assessment
College of Engineering
122 Hitchcock Hall, 2070 Neil Ave.
Columbus, OH 43210

Re: Proposal to remove Public Affairs 5620 as a capstone option in the ISE undergraduate program

Dear Dean Quinzon-Bonello,

The faculty of the Industrial & Systems Engineering Program in the Department of Integrated Systems Engineering are proposing to remove PUBAFRS 5620 as a capstone option in our undergraduate program.

Background:

There are currently five capstone options available to our students:

- ISE Capstone Design (ISE 4900)
- Integrated Lean Six Sigma capstone (ISE 5811 & 5812)
- Multidisciplinary Engineering Capstone Design Project (ENGR 5901.01 & 5902.01)
- Public Affairs Rapid Innovation for Public Impact (PUBAFRS 5620)
- Multidisciplinary Engineering Capstone Design Project - Integrated Business and Engineering (IBE) Honors Program (ENGR 5901.02H & 5902.02H)

Roughly 10 ISE students have been taking the course each year, out of about 150 that graduate in a given year.

PUBAFRS 5620 was added as an option beginning in Spring 2020 at the request of a faculty member with appointments in ISE and Public Affairs. The ISE Undergraduate Studies Committee discussed the course with the instructor and there was an understanding that ISE students would only be assigned to projects that had some ISE-related content. There were several projects that seemed to fit that criteria that first semester, including “Designing a Maintenance/Qualifications Records System to keep Naval Aviation

Missions Successful and Safe”, “Where did that request go Task-Order Tracking for Intelligence Products”, and “Autonomous Flight Safety Systems in Commercial Space Launches”.

However, the instructor with the joint appointment is no longer at the university and the reports from recent project teams on which ISE students participated do not appear to have a design component. This is an important limitation with regards to meeting our ABET requirement for the capstone experience.

Requested change:

As such, we are requesting approval of the proposed removal of PUBAFRS 5620 as a capstone option in our undergraduate program.

The change will be in effect beginning Au 2024, so it will not affect students who may be planning to take the course in Spring 2024 and are currently registering.

Any students who have already completed the course and are using it for their capstone will still be able to count the course as their capstone.

For students who might choose to take the course in Au 2024 or beyond...

Students in three of our five technical elective tracks would be able to use the course as one of their technical electives. The other two tracks are more restrictive and as such the course would not count towards graduation.

We will widely inform students of this change.

Sincerely,

A handwritten signature in black ink, appearing to read 'F. Pourboghrat', with a stylized flourish at the end.

Farhang Pourboghrat, PhD
Department Chair
Integrated Systems Engineering

cc. Steven A. Lavender, Associate Chair, Undergraduate Program
Carolyn Sommerich, Chair, Undergraduate Studies Committee