

MEMORANDUM

To: University Senate

From: Valarie Williams, Chair, Council on Academic Affairs

Subject: Proposal to Establish a Bachelor of Science in Nuclear Engineering Degree Program, College of Engineering

Date: September 11, 2026

A PROPOSAL FROM THE COUNCIL ON ACADEMIC AFFAIRS TO ESTABLISH A BACHELOR OF SCIENCE IN NUCLEAR ENGINEERING, COLLEGE OF ENGINEERING

- Whereas the Department of Mechanical and Aerospace Engineering houses a Ph.D. and a popular undergraduate minor in nuclear engineering, and the Department has developed a new Bachelor of Science degree program patterned after the successful minor; and
- Whereas the proposal outlines clear projected workforce demand at federal (Department of Energy) and local levels, including several Ohio industries with growing nuclear workforce needs; and
- Whereas the major will require 123 credit hours including 34 hours in major courses, 33 hours in required non-major courses, and 12 hours in technical electives; and has been designed to meet the Accreditation Board for Engineering and Technology (ABET) standards; and
- Whereas an advising and student success plan is in place; outcomes and assessment plans align with ABET standards; and a new academic adviser, a new practice track faculty member and a new tenure track faculty member will be hired; and
- Whereas the program projects a long-term target of approximately 160 students, growing gradually and including a pre-nuclear engineering programs with students applying for the major once they have completed core courses, typically by the end of their second semester; and
- Whereas the proposal was reviewed by a subcommittee and then approved by the full Council on Academic Affairs at its meeting on April 22, 2026.

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Now therefore be it resolved that the University Senate approve the proposal to establish a Bachelor of Science degree program, College of Engineering, and respectfully submit the proposal to the Board of Trustees for action.