



John R. Kasich, Governor  
Jim Petro, Chancellor

University System of Ohio  
Board of Regents

## REQUEST AND RECOMMENDATION

### UNIVERSITY OF AKRON

Bachelor of Science in Corrosion Engineering

#### **Request:**

The University of Akron (UA) requests approval to offer the Bachelor of Science in Corrosion Engineering. The Department of Chemical and Biomolecular Engineering in the College of Engineering will provide leadership for the program.

#### **Background:**

The University of Akron is a public institution located in Akron, Ohio, and has an enrollment of more than 24,000 undergraduate students and 4000 graduate students in programs at the associate, baccalaureate, masters and doctoral levels. The Higher Learning Commission (HLC) of the North Central Association of Colleges and Schools accredits the University of Akron until its next review in 2013.

The proposed degree program in corrosion engineering is responsive to an industry need for professionals prepared to understand and manage the effects of corrosion. Regulatory changes in the defense and transportation industries have increased the demand for engineers prepared to develop and administer corrosion mitigation plans, areas not addressed in traditional engineering programs. The University of Akron's undergraduate program will be the first of its kind and has been developed with funding from the Department of Defense and is consistent with the standards of the Accreditation Board of Engineering and Technology (ABET). Akron's engineering programs are ABET accredited. Graduates will be prepared for employment in industries such as oil and gas, environmental remediation, materials research and development, defense, and medicine.

#### **Curriculum and Enrollment:**

The degree program comprises 136 credit hours. Three optional co-op experiences provide students opportunities to work in industry settings. Program content provides a foundation of math, science, engineering, and corrosion engineering fundamentals. The University of Akron anticipates an enrollment of 15 students in the initial year of the program with growth to 150 students after four years.

#### **Faculty and Resources:**


The University of Akron has adequate funding support for the program, including significant support from the Department of Defense. The University of Akron has sufficient faculty to teach the foundation engineering courses. Additional faculty will be needed for the corrosion engineering courses (two for the first year of the program and two in the third year of the program).

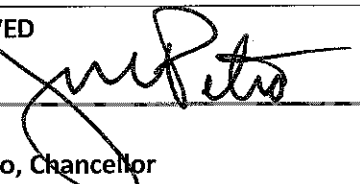
#### **Recommendation:**

This program meets the Chancellor's standards for baccalaureate degrees and approval is recommended.

End of Comment Period: May 22, 2011

No Comments Received, Recommend Approval

<b>RECOMMENDATION</b>	
The Vice Chancellor of Academic Affairs has verified that this institution has met the standards and requirements of the Ohio Board of Regents.	
	5/23/11
Stephanie Davidson, Vice Chancellor	Date

<b>APPROVED</b>	
	5-24-11
Jim Petro, Chancellor	Date

mlc