

GLOBAL ENGINEERING LEADERSHIP MINOR

A. James Clark School of Engineering (ENGR)
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<http://eng.umd.edu/global/coursework/>

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Engineering industry requires leadership to be exercised at all layers of an organization and today's engineering leaders need to lead with a global vision and be knowledgeable of how to effectively lead global teams. The minor will position students to be more competitive in the job market and help students develop the skills necessary to be an effective leader and manager.

The minor in global engineering leadership is designed to develop the skills necessary to lead with a global vision, work effectively with others to address social issues, and engineer solutions that improve communities and organizations.

The minor in Global Engineering Leadership consists of 16 credit hours. A maximum of six credits may also count toward the student's major, and no more than six credits may be taken at an institution other than the University of Maryland, College Park. All courses counted toward the minor must be completed with a "C-" or better. See the Requirements (p. 1) section for course requirements.

Contact the Office of Global Engineering Leadership (globalengr@umd.edu) or visit <http://eng.umd.edu/global/coursework/> for more information.

Program Learning Outcomes

1. Have an understanding of contemporary leadership theories and the ability to apply those theories in practice
2. Leverage leadership and technical skills to serve and advance the public good
3. Be capable of effectively leading and managing global teams
4. Apply theoretical frameworks of intercultural communication when leading and partnering with others
5. Develop skills to navigate and negotiate cross-cultural environments
6. Apply leadership, change, and organizational theories to systemically complicated issues
7. Effectively use skills to negotiate situations or conflicts within and across different identity and cultural groups: employing conflict resolution, communication, and critical thinking skills to take action to bring about equity and justice in both collaborative experiences and engineering design
8. Learn to analyze and critically evaluate ideas, arguments, and points of view surrounding leadership theories

REQUIREMENTS

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minor must be completed with a "C-" or better. The following courses are required:

Course	Title	Credits
ENES317	Introduction to Leadership in Engineering, Science, and Technology (DSSP)	3
ENES472	Leading Global Teams and Engaging Across Cultures in Business, Engineering, and Technology (DVCC)	3
ENES424	Engineering Leadership Capstone: Inclusive Leadership in Addressing Organizational & Societal Challenges	3
ENES138 or WEID138 or WEID139 or CHSE328	Exploring Engineering Design Through Dialogue Bridging Divides thru Intergroup Dialogue Across Disciplines Navigating Difference through Intergroup Dialogue	1
ELECTIVE	Global Perspectives Elective	3
ELECTIVE	Leadership Elective	3
Total Credits		16

Visit the website at eng.umd.edu/global/coursework (<https://eng.umd.edu/global/coursework/>) for more information.