

Graduate Certificate in Project Management and Leadership

Department of Mechanical and Industrial Engineering

Certificate Description:

The Mechanical and Industrial Engineering (MIE) Department offers a graduate certificate in Project Management and Leadership (PML). The PML certificate is designed to equip the STEM professional with the necessary knowledge, skills, and competencies to holistically manage and lead engineering and technology-based projects. Available to UMass graduate students in STEM disciplines as well as [non-matriculated students](#), the certificate can be completed either on-campus or online. To earn the PML certificate students need to complete the following three courses:

- MIE 645: Project Budgeting and Finance for Engineers
- MIE 664: Engineering Leadership and Entrepreneurship
- MIE 670: Technical Project Management

Certificate Goals:

The PML is designed with the STEM professional in mind; allowing one to layer their technical depth with the relevant project management and finance skills to broaden their decision-making frames and abilities. Recognizing the fact that technical leadership requires lifelong learning, the certificate offers preparation for industry recognized credentials such as the [Project Management certifications](#) by the Project Management Institute (PMI) and for key knowledge domains of the [Engineering Manager Professional certifications](#) by the American Society for Engineering Management (ASEM). Moreover, for those desiring to further build their technology and engineering management and leadership abilities, the certificate offers a gateway to the [Master of Science in Engineering Management \(MSEM\)](#) with all three courses eligible to be counted towards degree completion.

Certificate Contact:

For more information, contact Woodrow W. Winchester, III, MSEM Director at wwinchester@umass.edu