

# TECHNICAL MANAGEMENT AND LEADERSHIP ESSENTIALS GRADUATE CREDIT CERTIFICATE PROGRAMM

<b>Person-in-Charge</b>	Raghu Sangwan
<b>Program Code</b>	MEMTML
<b>Campus(es)</b>	Great Valley World Campus

The Graduate Certificate in Technical Management and Leadership Essentials is a program for students who aim to pursue a career as a Project Engineering Manager or Team Lead Manager where skills will include responsibilities to plan, organize and execute a technical project from start to finish and manage technical teams within a technical organization.

Courses taken in the certificate program may be applied toward a master’s degree in Engineering Management, subject to restrictions outlined in GCAC-309 Transfer Credit (<https://gradschool.psu.edu/graduate-education-policies/gcac/gcac-300/gcac-309-transfer-credit/>). Certificate students who wish to have certificate courses applied towards a graduate degree must apply and be admitted to that degree program. Admission to the graduate degree program is a separate step and is not guaranteed.

**Effective Semester:** Spring 2024  
**Expiration Semester:** Spring 2029

## Admission Requirements

Applicants apply for admission to the program via the Graduate School application for admission (<https://gradschool.psu.edu/graduate-admissions/how-to-apply/>). Requirements listed here are in addition to Graduate Council policies listed under GCAC-300 Admissions Policies (<https://gradschool.psu.edu/graduate-education-policies/>). International applicants may be required to satisfy an English proficiency requirement; see GCAC-305 Admission Requirements for International Students (<https://gradschool.psu.edu/graduate-education-policies/gcac/gcac-300/gcac-305-admission-requirements-international-students/>) for more information.

1. The successful applicant is generally expected to have a minimum combined junior/senior grade-point average of 3.0 (B) on a 4.0 scale.
2. Courses taken in the certificate program may be applied toward Master of Engineering Management degree, subject to restrictions outlined in GCAC-309 Transfer Credit (<https://gradschool.psu.edu/graduate-education-policies/gcac/gcac-300/gcac-309-transfer-credit/>). Certificate students who wish to have certificate courses applied towards the Master of Engineering Management must apply and be admitted to that degree program. Admission to the Master of Engineering Management graduate degree program is a separate step and is not guaranteed.

## Certificate Requirements

Requirements listed here are in addition to requirements listed in Graduate Council policy GCAC-212 Postbaccalaureate Credit Certificate Programs (<https://gradschool.psu.edu/graduate-education-policies/gcac/gcac-200/gcac-212-postbaccalaureate-credit-certificate-programs/>).

Code	Title	Credits
<b>Required Courses</b>		
MNGMT 511	Organizational Behavior	3
STS 589	Ethics and Values in Science and Technology	3
SYSEN 505	Technical Project Management	3
SYSEN 850	Creativity & Problem Solving I	3
<b>Total Credits</b>		<b>12</b>

All courses must be completed with a minimum grade of C or better and an overall GPA of 3.0.

## Courses

Graduate courses carry numbers from 500 to 699 and 800 to 899. Advanced undergraduate courses numbered between 400 and 499 may be used to meet some graduate degree requirements when taken by graduate students. Courses below the 400 level may not. A graduate student may register for or audit these courses in order to make up deficiencies or to fill in gaps in previous education but not to meet requirements for an advanced degree.

## Learning Outcomes

1. **APPLY/CREATE** - Demonstrate application of tools and techniques for management of engineering projects with an effective means to communicate the findings to stakeholders
2. **KNOW** - Demonstrate the ability to manage ethical and legal issues and lead multi-disciplinary teams

## Contact

<b>Campus</b>	Great Valley
<b>Graduate Program Head</b>	Raghu Sangwan
<b>Director of Graduate Studies (DGS) or Professor-in-Charge (PIC)</b>	Nil Hande Ergin
<b>Program Contact</b>	MICHELLE WHALEN 30 E. Swedesford Rd. Malvern PA 19355 mmw6441@psu.edu
<b>Campus</b>	World Campus
<b>Graduate Program Head</b>	Raghu Sangwan
<b>Director of Graduate Studies (DGS) or Professor-in-Charge (PIC)</b>	Nil Hande Ergin
<b>Program Contact</b>	MICHELLE WHALEN 30 E. Swedesford Rd. Malvern PA 19355 mmw6441@psu.edu