QUALITY MANAGEMENT ACROSS PRODUCT LIFECYCLE GRADUATE CREDIT CERTIFICATE PROGRAM

Person-in-Charge	Raghu Sangwan
Program Code	MEMQM
Campus(es)	Great Valley World Campus

The Graduate Certificate in Quality Management Across Product Lifecycle is a program for students who aim to pursue a career as Quality Assurance Engineer/Manager, Process Engineering Manager, Test Engineer/Manager, or Project Manager where skills will includes responsibilities in oversight of maintaining quality standards within a technical organization, overseeing teams responsible for implementation of manufacturing processes and equipment, design and implement test strategies to ensure product quality, or plan management of technical project from start to finish.

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
Required Courses		
ENGMT 841	Application of Statistics in Quality and Continuous I	3
STAT 500	Applied Statistics	3
SYSEN 530	Systems Optimization	3
Total Credits		**9**

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 continuous improvement of the process, product, and performance as applied to technical projects.
2. **APPLY/CREATE -** Develop capabilities with appropriate and meaningful data and use statistical and optimization tools for proper decision making.

Contact

Campus	Great Valley
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Campus	World Campus
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