



## Graduate Certificate in Quality Management Across Product Lifecycle

The Quality Management Across Product Lifecycle Certificate prepares students to work as:

- Quality Assurance Engineer/Manager with oversight of maintaining quality standards within a technical organization
- Process Engineering Manager overseeing teams responsible for implementation of manufacturing processes and equipment
- Test Engineer/Manager who designs and implements test strategies to ensure product quality
- Project Manager who plans and manages technical projects from start to finish

Students master the following skill set essential to these industry roles:

- Product, service, and process improvement
- Lean Six Sigma
- Product test analysis techniques
- Product/system design optimization
- Performance optimization

The Graduate Certificate in Quality Management Across Product Lifecycle will be awarded upon successful completion of the 9-credit curriculum below. The courses are not listed in sequential order. All course work should be completed within two years of starting the certificate program. Students should e-mail questions to [EngHelp@psu.edu](mailto:EngHelp@psu.edu).

9-Credit Required Curriculum			
Course #	Course Title	Semester Completed	Grade
STAT 500	Applied Statistics		
ENGMT 841	Application of Statistics in Quality and Continuous Improvement in Engineering		
ENGMT 520	Systems Optimization (formerly SYSEN 530)		

**Note:** Students must maintain a minimum grade point average of 3.0 (B) throughout the program. Courses may be applied to master's programs if admitted as a degree-seeking student. If degree-seeking, you must formally apply for degree admission. Up to 15 credits earned may be transferred to a master's degree, subject to restrictions outlined in [GCAC-309 Transfer Credit](#). Completing this certificate does not guarantee admission to a degree program. To be awarded the graduate certificate, students must successfully complete 9 credits of course work. Students must complete each course with a grade of C or better, and an overall grade-point average of 3.0 in the certificate courses.

**Questions & Advising** - Students should contact [EngHelp@psu.edu](mailto:EngHelp@psu.edu) with any questions.

After successfully completing the required course work, please submit a Graduate Certificate Completion Form found at <http://greatvalley.psu.edu/form/graduate-certificate-completion-form>.