

# ENGINEERING MANAGEMENT (GREAT VALLEY)

## Degree Requirements

### Master of Engineering Management

Requirements listed here are in addition to Graduate Council policies listed under GCAC-700 Professional Degree Policies (<https://gradschool.psu.edu/graduate-education-policies/>).

All students in the Master of Engineering Management program must complete a minimum of 33 credits at the 400, 500, or 800 level, with a minimum of 18 credits at the 500 or 800 level, and at least 6 credits at the 500 level. Students must maintain an average grade-point average of 3.0 or better in all course work. The program curriculum includes 18 credits of core courses, 12 credits of electives, and 3 credits of capstone experience.

Code	Title	Credits
<b>Required Courses</b>		
Prescribed courses for the degree include the following 18 credits of core courses:		
ENGMT 501	Engineering Management Science	3
ENGMT 510	Economics and Financial Studies for Engineers	3
SYSEN 505	Technical Project Management	3
SYSEN 536	Decision and Risk Analysis in Engineering	3
SYSEN 850	Creativity & Problem Solving I	3
ENGMT 841	Application of Statistics in Quality and Continuous Improvement in Engineering	3
<b>Electives</b>		
An additional 12 credits of elective courses must be selected from the approved list of elective courses maintained by the graduate program office.		12
<b>Culminating Experience</b>		
ENGMT 539	Engineering Management Strategy	3
<b>Total Credits</b>		<b>33</b>

All students will complete their program of study with the 3-credit capstone course (ENGMT 539) that provides students with an opportunity to apply their knowledge of the engineering management theories, methods, processes, and tools, learned throughout their program, in a culminating and summative experience. The choice of project topic and exact form will be determined by the instructor. A written paper based on the applied project is required and must contain project description, analysis, and interpretation of its findings. Students will be encouraged to upload their capstone work products to be available publicly via ScholarSphere: <https://scholarsphere.psu.edu/>. World Campus Engineering Management students will be encouraged to participate in the World Campus Graduate Capstone Exhibition.