ENGMNT 501 Engineering Management Science 3
ENGMNT 510 Economics and Financial Studies for Engineers 3
SYSEN 505 Technical Project Management 3
SYSEN 536 Decision and Risk Analysis in Engineering 3
SYSEN 550 Creativity and Problem Solving I 3
SYSEN 552 Creativity and Problem Solving II 3
Electives 12

Culminating Experience
ENGMNT 539 Engineering Management Strategy 3
Total Credits 33

Student Aid
Graduate assistantships available to students in this program and other forms of student aid are described in the Tuition & Funding (http://gradschool.psu.edu/graduate-funding) section of The Graduate School’s website. Students on graduate assistantships must adhere to the course load limits (http://gradschool.psu.edu/graduate-education-policies/gsad/gsad-900/gsad-901-graduate-assistants) set by The Graduate School.

World Campus students in graduate degree programs may be eligible for financial aid. Refer to the Tuition and Financial Aid section (http://www.worldcampus.psu.edu/tuition-and-financial-aid) of the World Campus website for more information.

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.

Engineering Management (ENGMT) Course List (https://bulletins.psu.edu/university-course-descriptions/graduate/engmt)

Learning Outcomes
1. KNOW. Demonstrate knowledge of foundational principles of engineering management including technical, social, and economic factors as applied to projects and personnel.
2. CRITICAL THINKING. Evaluate the financial aspects of projects and integrate them with different technical and engineering components.
3. PROBLEM SOLVING. Understand and estimate risk and its impact on the decision making process.
4. COMMUNICATE. Demonstrate the ability to communicate project findings effectively in written, spoken, and visual presentations to project stakeholders and a variety of professional audiences.
5. TEAMWORK. Demonstrate the ability to work with multi-disciplinary teams.

Contact
Campus Great Valley
Graduate Program Head Colin Neill
Director of Graduate Studies (DGS) Nil Hande Ergin
or Professor-in-Charge (PIC)
Katie E Kerstetter
Program Contact
Penn State Great Valley
30 East Swedesford Road
Malvern PA 19355
kew5687@psu.edu
(610) 648-3277

Program Website
View (http://greatvalley.psu.edu/academics/masters-degrees/engineering-management)
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**Program Website**

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