



Master of Engineering Management Advising Worksheet

The Master of Engineering Management degree will be awarded upon successful completion of the 33-credit program, and the SARI requirement. The courses are not listed in sequential order. All module course work is subject to change as new courses are developed or renumbered.

Note: The capstone course, ENGMT 539, is only offered during fall semesters.

18-Credit Core Curriculum			
Course #	Course Titles	Semester	Grade
ENGMT 501	Engineering Management Science		
ENGMT 510	Economics and Financial Studies for Engineers		
SYSEN 505	Technical Project Management		
SYSEN 536	Decision and Risk Analysis in Engineering		
SYSEN 550	Creativity and Problem Solving I		
SYSEN 552	Creativity and Problem Solving II (<i>Pre-Req: SYSEN 550</i>)		
12-Credit Elective Curriculum			
Course #	Course Titles	Semester	Grade
3-Credit Required Capstone - *Taken only after completing 27 credits in the program*			
ENGMT 539	Engineering Management Strategy * Only offered in Fall Semesters		
Required SARI Program (Scholarship and Research Integrity)			
SARI (Scholarship and Research Integrity) Program		Semester Completed	

Course Descriptions/Prerequisites - Do not check course descriptions from the registration web page. Please check course descriptions at: <https://greatvalley.psu.edu/academics/masters-degrees/engineering-management>.

Questions & Advising - Students should contact their assigned faculty advisors with any questions or for advice on course selection. Students should email questions and requests for approved course substitutions to EngHelp@psu.edu.

All course work toward the Master of Engineering Management degree must be completed within eight years of admission to the program. Students must maintain a minimum grade point average of 3.0 (B) throughout the program.

Master of Engineering Management Elective Courses

Students select four elective courses from the advising sheet

Electives Courses (Choose four courses from the following)	
Course #	Elective Courses
BA 810	Operations Management (<i>Previously offered as OPMGT 510; Prerequisites for ENGMT students: ENGMT 501 and ENGMT 510</i>)
DAAN 871	Data Visualization for Analytics
DAAN 881	Data-Driven Decision Making (<i>Prerequisite: STAT 500</i>)
DAAN 897	Enterprise Analytics Strategies
EA 871	Enterprise Architecture Foundations I (<i>previously offered as INSC 497 Enterprise Arch</i>)
ENGMT 511	Engineering for Energy and the Environment
ENGMT 530 or INSC 531	Engineering Law or Information Technology Law
ENGMT 597	Special Topics: Innovation Management
ENGMT 841	Application of Statistics in Quality and Continuous Improvement in Engineering
IE 532	Reliability Engineering
IE 575	Foundations of Predictive Analytics (<i>Prerequisite STAT 500</i>)
INFSY 897	Business Strategies in Big Data
LEAD 501	Leadership across the Life Span
STAT 500	Applied Statistics
STS 589	Ethics and Values in Science and Technology
SWENG 497	Special Topics: Agile Processes
SYSEN 507	Systems Thinking
SYSEN 530	Systems Optimization
SYSEN 532	Simulation in Systems Engineering: Discrete-Time Systems
SYSEN 554	Problem Solving Leadership (<i>Prerequisites: SYSEN 550 and SYSEN 552</i>)
SYSEN 555	Invention and Creative Design (<i>SYSEN 550 prior to SYSEN 555 is recommended but not required</i>)
SYSEN 597	Special Topics: Advanced Quality Control Techniques