

Master of Engineering Management (MEM in ENGMT) Required and Elective Courses

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

The capstone course, ENGMT 539, will only be available during fall semesters.

If you have any questions throughout your studies, please email EngHelp@psu.edu.

18-Credit Required 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 & Risk Analysis in Engineering		
SYSEN 850	Creativity & Problem Solving I (Previously SYSEN 550)		
ENGMT 841	Applications of Statistics in Quality and Continuous Improvements in Engineering		
12-Credit Elective Curriculum			
Course #	Course Titles	Semester	Grade
3-Credit Required Capstone (to be taken after completing 27 credits in program) <i>The Capstone Course is only offered in Fall Semesters</i>			
ENGMT 539	Engineering Management Strategy GCAPSTONE-Prof. Masters Capstone Project		
SARI Requirement Scholarship and Research Integrity			
SARI	Scholarship and Research Integrity Program		

***NOTE: Students must maintain a minimum grade point average of 3.0 (B) throughout the program. A 3.0 cumulative GPA is required to graduate. All course work toward the Master of Engineering Management degree must be completed within eight years of admission to the program.**

Questions & Advising - Students should contact their assigned faculty advisors with any questions or for advice on course selection.

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Course Descriptions/Prerequisites - Do not check course descriptions from the registration web page. Please check this advising sheet or the course descriptions at this [link](#).

Program Electives

12-Credit Electives (Choose 4 courses from the following)	
Course #	Elective Courses
BA 800	Marketing Management
BA 810	Operations Management (<i>Prerequisite: ENGMT 501 and ENGMT 510</i>)
BADM 828	Negotiation
DAAN 871	Data Visualization for Analytics
DAAN 881	Data-Driven Decision Making (<i>Prerequisite: STAT 500 or ENGMT 841</i>)
DAAN 897	Enterprise Analytics Strategies
EA 871	Enterprise Architecture Foundations I (<i>Previously INSC 497</i>)
IE 575	Foundations of Predictive Analytics (<i>Prerequisite: STAT 500 or ENGMT 841</i>)
STAT 500	Applied Statistics
STS 589	Ethics and Values in Science and Technology
SYSEN 530	Systems Optimization
SYSEN 532	Simulation in Systems Engineering: Discrete-Time Systems
SYSEN 555	Invention and Creative Design (<i>SYSEN 850 is recommended prior to SYSEN 555, but not required</i>)