



Master of Engineering Management (MEM) Prescribed 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. **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 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 & Risk Analysis in Engineering		
SYSEN 850	Creativity & Problem Solving I (Previously SYSEN 550)		
SYSEN 552	Creativity & Problem Solving II (Pre-Req: SYSEN 550/850)		
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		
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.



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Program Electives

Course descriptions can be found at this [link](#).

Electives Courses (Choose four courses from the following)	
Course #	Elective Courses
BA 810	Operations Management (<i>Prerequisites for ENGMT students: 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</i>)
DAAN 897	Enterprise Analytics Strategies
EA 871	Enterprise Architecture Foundations I (<i>previously offered as INSC 497 Enterprise Arch</i>)
ENGMT 841	Application of Statistics in Quality and Continuous Improvement in Engineering
IE 575	Foundations of Predictive Analytics (<i>Prerequisite STAT 500</i>)
LEAD 501	Leadership across the Life Span
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 550/850 prior to SYSEN 555 is recommended but not required</i>)

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

All course work toward the Master of Engineering Management degree must be completed within eight years of admission to the program.