

ENGINEERING MANAGEMENT AMP

All students must meet the Requirements for the Accelerated Master's Degree Programs (<http://catalogue.uvm.edu/graduate/degree/requirements/requirementsforacceleratedmastersdegreeprograms/>)

OVERVIEW

Qualified undergraduate students who plan to earn a master's degree in engineering management may enroll in the Accelerated Master's Entry Program, which enables students to begin working on the M.S. while still an undergraduate. Students apply to the program in the second semester of their junior year. Following acceptance by the Graduate College, students may take up to 6 graduate credits while still an undergraduate that can be counted toward both the B.S. and the M.S. degrees, subject to approval of the student's graduate advisor. An additional 3 graduate credits taken while still an undergraduate may be counted toward the M.S. degree but not the B.S. degree. Students in the Accelerated Masters Program must follow the M.S. degree requirements.

SPECIFIC REQUIREMENTS

Requirements for Admission to Graduate Studies for the Degree of Master of Science for Accelerated Students

To apply for the program, students must be enrolled at the University of Vermont in an undergraduate engineering or engineering management program with a cumulative grade point average of at least 3.20 at the time of application, must submit a letter of application to the graduate program coordinator and, if applicable, name a faculty member who has agreed to serve as their graduate advisor, and complete the Graduate College application. No Graduate Record Examination (GRE) is required for admission for AMP applicants.

Minimum Degree Requirements for the Degree of Master of Science

The Engineering Management AMP requires the completion of advanced courses in business administration, engineering, mathematics, statistics, and other approved courses and research (for project option students) totaling at least 30 credits.

COURSEWORK OPTION - 30 credit hours, including:		
EMGT 201	Engineering Project Management	3
BSAD 306	Fundamentals of Accounting	3
5 courses selected from approved list (minimum of 9 Engineering, Engineering Management, or Computer Science course credits)		12
At least 1 course from the following:		
CS 254	QR: Machine Learning	
MATH 303	Complex Networks	

STAT 211	QR: Statistical Methods I	
STAT 224	QR: Stats for Quality&Productvty	
At least 2 courses from the following:		
BSAD 230	Tech, Entr & Commercialization	
BSAD 270	Quant Anyl for Managerial Dec	
BSAD 273	Supply Chain Management	
ME 265	QR: Integrated Product Dev	
EDLP 310	Effecting & Managing Change	
PROJECT-BASED OPTION - 30 credit hours, including:		
EMGT 201	Engineering Project Management	3
BSAD 306	Fundamentals of Accounting	3
3 courses selected from approved list (minimum of 6 Engineering, Engineering Management, or Computer Science course credits) and EMGT 392 (3 credits)		12
At least 2 courses from the following:		
CS 254	QR: Machine Learning	
MATH 303	Complex Networks	
STAT 211	QR: Statistical Methods I	
STAT 224	QR: Stats for Quality&Productvty	
At least 2 courses from the following:		
BSAD 230	Tech, Entr & Commercialization	
BSAD 270	Quant Anyl for Managerial Dec	
BSAD 273	Supply Chain Management	
ME 265	QR: Integrated Product Dev	
EDLP 310	Effecting & Managing Change	

Further details on the core course requirements and the areas of specialization can be obtained from the Engineering Management Graduate Program website

Comprehensive Examination

Candidates must successfully complete a written project report in EMGT 392, or a written project report from a pre-approved course. The examination may be retaken once if the student does not pass it on the first attempt.

Requirements for Advancement to Candidacy for the Degree of Master of Science

Successful completion of undergraduate engineering or engineering management degree program.