

## ENGINEERING MANAGEMENT M.S.

All students must meet the Requirements for the Master's Degree (<http://catalogue.uvm.edu/graduate/degreerequirements/requirementsforthemastersdegree/>)

### OVERVIEW

The Engineering Management Graduate Program offers a Master's of Science (M.S.) degree in engineering management. Each student must meet the general requirements for admission as outlined under the regulations of the University of Vermont Graduate College. Typically, students entering the program have received a bachelor's degree in engineering, engineering management or a related field. Applicants with other backgrounds will be evaluated individually and must complete prescribed undergraduate technical course work. Part-time study leading to the M.S. degree is possible for students who are employed in the vicinity.

### SPECIFIC REQUIREMENTS

#### Requirements for Admission to Graduate Studies for the Degree of Master of Science

Students may have a BS in Engineering from an ABET-accredited institution, a BS in Engineering Management, an unaccredited BS in Engineering, or physical sciences. Those without an accredited degree may have to take additional courses to achieve equivalency of background. GRE is recommended but not required.

#### Minimum Degree Requirements

The Engineering Management M.S. 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		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 prescribed and approved course requirements 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

An accredited bachelor's degree in engineering, engineering management or equivalent education.