

# ENGINEERING MANAGEMENT (M.ENGR.)

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## Master of Engineering. Major in Engineering Management.

General M.Engr. requirements apply. The Engineering Management degree requires 30 credits; a minimum of 15 credits must be engineering courses. The degree program includes 12 credits of required courses (see below) and the rest are electives based on particular program requirements. Each student will design a study plan in consultation with the Engineering Management Student Advisor which is then approved by the Director. Nearly all of the Engineering Management students do not live in Moscow and are allowed to take classes from other universities, especially elective classes, as appropriate and following University of Idaho policy for transfer courses.

Exit Requirement for the EM Degree Program: All students are required to complete the exit requirement in order to earn the Master of Engineering in Engineering Management. Successfully completing the exit requirement is accomplished through one of the following options. Option 1: Three (3) credits of qualitative elective will be satisfied by the student passing three (3) credits of EM 599 Non-thesis Masters Research and completing a non-thesis masters project following program requirements in effect at the time of registration. This option will include a presentation of the student's project to a committee, followed by a Final Defense typically based on the project and the student's coursework. Students must pass both the oral presentation and final defense. In total through this option students complete a minimum of 30 credits to earn the EM degree. Option 2: In addition to the core 30-31 credit EM curriculum, students must pass an additional onecredit course, EM 596 Capstone Integration, following program requirements in effect at the time of registration. Option 2 requires the student to complete a minimum of 31 credits to earn the EM degree. (2A) In completing EM 596, students must pass the CPEM examination administered by the American Society for Engineering Management (ASEM) and become a Certified Professional in Engineering Management (CPEM). (2B) Students who do not meet the work experience requirement for the CPEM exam may choose to complete a comprehensive exam, prepared and administered by EM faculty, to satisfy EM 596.

Code	Title	Hours
<b>Required Courses</b>		
ACCT 582	Enterprise Accounting	3
MHR 513	Leadership and Organizational Behavior	3
EM 510	Engineering Management Fundamentals	3
STAT 431	Statistical Analysis	3
Total Hours		12

1. Students will have demonstrated their ability to use process improvement approaches to improve operational excellence.
2. Students will have demonstrated their mastery of Engineering Management through successfully passing the ASEM CPEM examination.
3. Students will have demonstrated that they understand the functions of engineering management including planning, organization, leading, and controlling.