Professional Master of Science and Engineering Management Degree (30 credits):
• Construction Engineering Management Track
• Student/advisor-designed track based on student's educational needs and interests

Graduate certificate options (12 credits):
• Science and Engineering Business Management
• Science and Engineering Project Management
• Manufacturing Best Practices—PROCESS
• Manufacturing Best Practices—SYSTEMS

At the core of the program are foundation courses in business and technical management that are relevant to today's business world and highly valued by industry. Students can choose elective coursework that is most relevant to their career goals.

Visit us online at: http://eu.montana.edu/PMSEM

MSU's Professional Master of Science and Engineering Management (PMSEM) degree is a 30-credit interdisciplinary graduate program that helps working professionals bridge the gap between science and engineering and business management in the workplace. Students complete 15 credits of foundational coursework and an additional 15 credits based on their educational needs. [Graduate certificate options (12 credits each) are also available.]

This program provides technical professionals with an alternative to the traditional research-oriented M.S. degree in the sciences or engineering or a strictly business-focused M.B.A. The degree may be completed in two years and is designed to accommodate the unique needs and schedules of working professionals.

Coursework and instructors come from MSU's renowned Colleges of Business, Engineering and Letters & Science. This program will prepare professionals for success at the management or executive level in the rapidly changing business environment of the 21st Century.

Designed for professionals
The PMSEM program was developed specifically for science and engineering professionals in industries such as:
• construction and manufacturing
• science and technology
• government agencies
• engineering
• technical consulting, sales and marketing
• and more.
Foundational Coursework
(15 credits; online)
- Leading and Managing the Human and Financial Enterprise (9 credits)
- Leading the Technical Enterprise (6 credits)

These courses include a series of modules showcasing relationships across functional areas of an organization. Topics may include:
- leadership and team dynamics
- budgets and managerial accounting
- technical and marketing challenges
- product development
- strategy and business models
- survey of manufacturing processes and controls
- management and leadership
- and more.

All coursework is designed to be relevant for professionals in a science, engineering or technical setting.

Track Coursework
(15 credits)
Students who choose the Construction Engineering Management Track will take 15 credits in topics such as quality management, construction industry law, productivity and more. These courses can be taken fully online.

Students who work with their advisor on a self-designed track will select elective courses from their field, such as biology, chemistry, computer science, earth sciences, engineering, mathematics, physics, statistics or others deemed relevant. Online courses may be available; depending on the student’s individualized plan, on-campus coursework may be required.

Prerequisites
- Bachelor’s degree in science or engineering
- Completion of MSU Graduate School criteria
- Two or more years of full-time employment in a science or engineering industry
- Graduation Record Exam (GRE)

For more information
Contact Lisa Brown with MSU Extended University, (406) 994-6683, lisa.brown@montana.edu. The program is online at http://eu.montana.edu/PMSEM

About Montana State University
Montana State University is a world-class research university that encourages exploration and inspires creativity. As Montana’s land-grant university, MSU is dedicated to delivering a hands-on curriculum that is relevant, practical and focused. Faculty are leaders in their fields and committed to every student’s success.

MSU is regionally accredited by Northwest Commission on Colleges and Universities (NWCCU); professional schools and departments are approved by specialized accrediting organizations. The College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB); the College of Engineering provides engineering and computer science related courses for the PMSEM program that are taught by faculty in programs that have undergraduate accreditation through ABET. This accreditation provides for a student to seek or maintain professional engineering licensure through the PMSEM program.

MSU is one of only 108 institutions—out of 4,600—designated as “very high research activity” by the Carnegie Foundation for the Advancement of teaching. This means that MSU is among the top 2% of research institutions nationwide which translates into significant opportunities for research, scholarship and creative work.