Our program

THE EMP DIFFERENCE.


OUR STUDENTS COME FROM ESTABLISHED CAREERS IN A VARIETY OF INDUSTRIES ENGINEERING, HIGH TECH, ENERGY, METALS, CONSTRUCTION, THE ARMED FORCES, MANUFACTURING AND DISTRIBUTION. OUR STUDENTS HAS OVER 20+ YEARS HISTORY.

OUR AVERAGE STUDENT HAS 7.5 YEARS OF WORK EXPERIENCE. THE TOP 3 INFLUENCING FACTORS OF CHOOSING CU BOULDER’S EMP

18:1 STAFF TO STUDENTS RATIO
97% OF STUDENTS WOULD RECOMMEND EMP
98% OF STUDENTS WOULD RECOMMEND EMP
83% OF STUDENTS FIND EMP TO BE A FAMILY WHILE ATTENDING SCHOOL.

Choose your path

Masters of Engineering Management (ME) VS Masters of Business Administration (MBA)

• Prepares you for management and leadership in high-tech situations.
• Gives you the opportunity to choose a certificate track while completing the EM degree.
• 5 Engineering dual-degree options are offered
• Average of 30 credit hours

Quality Systems for Product & Process Engineering
Gain technical expertise to successfully manage initiatives in quality control, problem solving and reliability improvement.

Six Sigma Statistical Practitioner
Learn advanced statistical tools that support the Define, Measure, Analyze, Improve, and Control methodology.

Renewable & Sustainable Energy
Provides an in-depth study of the technical, policy, and business areas which form the cornerstone of the rapidly growing renewable and sustainable energy industry.

Water Engineering & Management
Build your non-technical competencies with courses on leadership, communication, financial, governance, and water management.

Technology Ventures & Product Management
Case studies and business simulation exercises prepare you for technology evaluation and product development management.

Project Management
Project Management is applied leadership; gain the knowledge and skills to lead a team in the accomplishment from begin-

Technology Management
Learn the cutting-edge Business Technology Management. Masters of Engineering Entrepreneurship
Whether you are forming a brand new company or part of a larger organization, learn to launch, lead and manage a viable new business.

Leadership & Management
Prepare you to navigate critical decisions and maintain integrity as a manager while discovering how to use your natural strengths to become the level leader you can be.

Managing Applied Research in Technology
Dive deeper into statistical analysis, gain expertise in quality improvement, problem solving, and root-cause analysis.

Performance Excellence in Technology Management
Learn the cutting-edge Business Performance Excellence system to drive real reductions, identify revenue-generating waste spots, and develop leadership skills that improve performance quality.

WHICH EMP CERTIFICATE IS RIGHT FOR YOU?

• Average of 30 credit hours compared to a typical MBA program of 55 credit hours. EMP offers real flexibility

LinkedIn posted
64,960 JOBS
for “Engineering Manager” as of March 2015.

AN ENGINEERING MANAGER MAKES AN AVERAGE OF $130K ANNUAL SALARY
(according to Glassdoor June 2015)

DID YOU KNOW?

LINKEDIN POSTED
25+ BUSINESS COURSES TAILORED TO ENGINEERING AND TECHNICAL PROFESSIONALS

EMP INSTRUCTORS BRING C-LEVEL BUSINESS EXPERIENCE

EMP HAS OVER 20+ YEARS HISTORY

OUR AVERAGE STUDENT HAS 7.5 YEARS OF WORK EXPERIENCE.

THE TOP 3 INFLUENCING FACTORS OF CHOOSING CU BOULDER’S EMP

#1 IN-DEPTH ‘REAL LIFE’ COURSE CONTENT
#2 PROGRAM IS AVAILABLE ONLINE
#3 BROAD RANGE OF COURSE OFFERINGS

EMP OFFERS REAL FLEXIBILITY

• TAKE JUST ONE GRADUATE COURSE
• COMPLETE ONE OF OUR 11 CERTIFICATES
• EARN A MASTERS DEGREE IN ENGINEERING MANAGEMENT
The Engineering Management Program at The University of Colorado Boulder

The Lockheed Martin Engineering Management Program at the University of Colorado Boulder provides advanced education for engineers, scientists, and technical professionals who want to move into first or second level management. As the flagship university of the state of Colorado, CU-Boulder is a dynamic community of scholars and learners situated on one of the most spectacular college campuses in the country.

“...ou have an outstanding program that I was able to use as my springboard to get into the Engineering Academy at Boeing. To think that you have a program like the EMP that is able to produce program graduates who can go on to have successful careers is a testament to the outstanding faculty and staff that you have.”

— Jason Kerwood, EMP Graduate

Our Plan of Study - an example

6 Required Core Classes

• Intro to Engineering Management
• Finance and Accounting for Engineering Managers
• Project Management
• Quality, Strategy & Value Creation
• Authentic Leadership
• Marketing & Technology Ventures

Other EMP Courses include:

• Leading Others
• Lean and Agile Management
• Advanced Topics in Value Creation
• Fundamentals of Systems Engineering
• Advanced Statistical Methods for Engineering Research

4 Elective Courses

• Product Development
• The New Venture Experience
• Applied Business Decisions
• Ethical Decision-making

• Engineering Analysis
• Software Project Management
• Advanced Topics in Quality Improvement
• Data Mining and Screening Experiments for Engineering Research
• The New Venture Experience
• Research Methods

Benefits of Educating your Employees:

Be Boulder.

1111 Regent Drive, ECOT 416, Boulder, CO 80309
Visit: emp.colorado.edu | Call: 303-492-0954 | Email: emp@colorado.edu

Working together

Your employees. Our graduates.

Invest in your business by investing in your employees. The CU Boulder Engineering Management Program teaches your technical employees to learn and practice data-driven management, develop leadership capabilities, and apply proven principles for business performance improvement. Our core curriculum focuses on the business basics of project management, finance and accounting, quality management, and leadership in engineering and technical settings.

Benefits of Educating your Employees:

ENHANCES COMPANY PROFITS

IMPROVES EMPLOYEE SATISFACTION AND RETENTION

IMPROVES CUSTOMER SATISFACTION

IMPROVES EMPLOYEE PERFORMANCE AND PRODUCTIVITY

IMPROVES A COMPANY’S COMPETITIVE EDGE

IMPROVES COMPANY’S COMPETITIVE EDGE

DISCOUNTS are available for multiple employees enrolled in the EMP. Custom learning programs are also available for larger groups of employees. Please contact our program for more information.