Online Master of Engineering Management

Do It Better

Earn your Master of Engineering Management online from Ohio University and gain the technical expertise and management skills you’ll need to excel as a team leader and an effective project manager in the world of engineering. An experienced faculty of engineers and management professionals will help you acquire managerial expertise while utilizing your existing engineering experience.
Unlock Your Potential with Ohio University

Ohio University is dedicated to providing our students with an outstanding and transformative education. Originally established in 1804, Ohio University is proud to bring innovative educational and research programs to students from around the world. Today the tradition of pioneering academia continues on campus and online through an ongoing commitment to our students, furthering higher education, and providing the optimum environment for success.

A Management Degree Specifically for Engineers

The online Master of Engineering Management from Ohio University is an advanced degree designed for engineers who want to become team leaders without losing touch with their foundation in engineering. This degree program focuses on leadership and management skills and the direct relationship to engineering process improvement, project management, effective communication, and innovative solutions.

Gain an advanced understanding of the specific engineering and management skills you’ll need to excel in your current engineering position, create new opportunities, and develop as a respected and competent engineering team leader.

Questions?
Call 1-877-273-1291 Visit engineering.online.ohio.edu

Engineering Solutions for Your Career

To succeed in the engineering field takes a high level of knowledge and skill, which is earned through a combination of education and industry experience. To succeed as a highly effective leader in the engineering world, you must have hands-on experience, advanced education, and an in-depth understanding of the management and organizational factors that are unique to the engineering industry.

Learn how to become a better engineer and effectively lead a technical team to create better processes and systems. Get better results from your team and from your career. Enroll at Ohio University and learn to Do It Better.

Master of Engineering Management

Offered completely online, the Master of Engineering Management consists of 10 total courses (34 course hours). Once enrolled, you can graduate in less than two years, depending on your course load. This flexible program is 100% online and designed to fit into your lifestyle so you can continue working while you pursue your degree.

Engineering Statistics
This course is intended to prepare engineering management students to design statistically valid experiments and to analyze the results. Topics include basic probability theory, confidence, hypothesis testing, regression and analysis of variance.

Six Sigma
This course presents an introduction to the Six Sigma DMAIC problem-solving methodology, including examples in a wide range of organizations. Topics include tools and techniques for product and process improvement, and the application of basic and advanced statistics to problem solving.

Quality Systems
This course focuses on the concepts of total quality management, including philosophies and frameworks of quality management, incorporating quality into strategic planning, leadership, process measurement and management, continuous quality improvement and ISO 9000. Original writings by major figures in the quality movement, such as Deming, Juran, Taguchi, and others are discussed.

Information Systems Engineering
This course introduces students to information systems within and across organizations. Information systems provide a primary source of information for management. Students learn about the phases of design and implementation of information systems, as well as methods for keeping abreast of fast-paced changes in the IT world.

Database Information Systems
This course presents methods and procedures for storing and retrieving manufacturing data in large computerized databases. It also covers the entity relationship modeling of database systems using common notation. Topics include database design, normalization, and SQL. Students will build a database using MS Access as a project.

Engineering Writing
This course is designed to help you develop the ability to think critically as a professional communicator. Learning to ask appropriate questions will enable you to understand, develop, and produce effective communication using the following elements of thought: purpose, basic concepts, information sources and needs, underlying assumptions, inferences/conclusions, implications/consequences, points of view, and questions raised and addressed. Significant ethics discussions are included throughout this course.

Foundations of Engineering Management
The objective of this course is to teach engineers the management skills they will need to be effective throughout their careers. It introduces the ways in which management principles are applied in the kinds of work they are most likely to encounter. Also included are aspects of globalization including how culture changes engineering management.

Project Management
This course focuses on the development and utilization of network techniques, such as PERT and CPM, to schedule activities, develop financial budgets, allocate resources, and control progress and costs of practical projects. Students also are introduced to project scheduling software.

Engineering Law
This course focuses on the study of those parts of the legal system that relate to engineering. Topics include domestic and international environments of intellectual property policy (including patents, trademarks, copyrights, and trade secrets); torts and various sources of personal, facility, products and enterprise liability; contracts and issues arising from various types of contractual relationships; and aspects of administrative law (dealing with agencies) and employment law.

Unlock Your Potential with Ohio University
An Advanced Education, Online

Delivered via an online learning environment, Ohio University's engineering degree directly connects the faculty of industry-experienced engineers with students through in-depth discussions, networking, and coursework. Classes are taught with multimedia applications, such as videos and audio recordings from faculty members, and they incorporate real-world software applications, such as Minitab, Excel, and CAD software. The knowledge learned in class can be immediately applied in the workplace.

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Ohio University is an equal access/equal opportunity affirmative action institution.