



degree programs

Degree Programs, Emphasis Areas and Undergraduate Minors

Degree programs are in capitals. Emphasis areas are lower-case subheads followed by degree abbreviation if restricted to that degree level. Undergraduate minors designated MI.

AEROSPACE ENGINEERING (BS,MS,PhD) MI APPLIED AND ENVIRONMENTAL BIOLOGY (MS) APPLIED MATHEMATICS (BS,MS) MI

Actuarial Science (BS)
Algebra (MS)
Algebra/Discrete Mathematics (BS)
Applied Analysis
Computational Mathematics
Secondary Education (BS)
Statistics

ARCHITECTURAL ENGINEERING (BS)

Construction Eng & Project Mgt
Construction Materials
Environmental Systems for Buildings
Structural Engineering

BIOLOGICAL SCIENCES (BA, BS) MI

Pre-Medicine (BA)
Secondary Education (BA)

BUSINESS ADMINISTRATION (MBA)

BUSINESS AND MANAGEMENT SYSTEMS (BS)

E-commerce
Enterprise Resource Planning
Finance
Human Computer Interaction
Management Information Systems
Marketing

CERAMIC ENGINEERING (BS,MS,PhD)

Biomaterials (MS)

CHEMICAL ENGINEERING (BS,MS,PhD,DE)

Biochemical Engineering (BS)

CHEMISTRY (BA,BS,MS,MST,PhD) MI

Biochemistry (BS)
Polymer & Coatings Science (BS)
Pre-Medicine Chemistry (BS)
Secondary Education (BA)

CIVIL ENGINEERING (BS,MS,PhD,DE)

Construction Engineering
Environmental Engineering
Geotechnical Engineering
Materials Engineering
Structural Engineering
Transportation Engineering
Water Resources Engineering

COMPUTER ENGINEERING (BS,MS,PhD)

Computational Intelligence (BS)
Computers and Architecture (BS)
Embedded Computer Systems (BS)
Integrated Circuits and Logic Design (BS)
Networking and Software Engineering (BS)
Security and Reliability (BS)

COMPUTER SCIENCE (BS,MS,PhD) MI

Bioinformatics (MS)
Critical Infrastructure Protection (MS)
Software Engineering (MS)

EARTH SCIENCES (MST)

ECONOMICS (BA, BS) MI

Economics/Business (BS)
Secondary Education (BA)

ELECTRICAL ENGINEERING (BS,MS,PhD,DE)

Circuits
Communications-Signal Processing
Computer Engineering
Control
Electromagnetics
Electronics
Power
Solar Energy (MS)

ENGINEERING MANAGEMENT (BS,MS,PhD) MI

Industrial Engineering (BS)
Management of Technology (BS)
Manufacturing Engineering (BS)
Packaging Engineering (BS)
Public Works (MS)
Quality Engineering (BS)

ENGLISH (BA)

Secondary Education

ENVIRONMENTAL ENGINEERING (BS,MS)

EXPLOSIVES ENGINEERING (MS)

GEOLOGICAL ENGINEERING (BS,MS,PhD,DE) MI

Engineering Geology and Geotechnics (BS)
Environ Protect & Haz Waste Mgt (BS)
Groundwater Hydro & Containment
Transport (BS)
Petroleum, Energy and Natural Resources (BS)
Quarry Engineering (BS)
Hazardous Waste Engineering & Science (MS)

GEOLOGY AND GEOPHYSICS (BS,MS,PhD)

Exploration Geochemistry (MS,PhD)
Exploration Geophysics (MS,PhD)
Geochemistry (BS)
Geology (BS)
Geophysics (BS)
Groundwater & Environmental
Geochemistry (BS)
Petroleum Geology (BS)

GEOTECHNICS (ME)

HISTORY (BA) MI

Secondary Education

INFORMATION SCIENCE & TECHNOLOGY (BS, MS) MI

Enterprise Resource Planning
Human Computer Interaction (BS)

MANUFACTURING ENGINEERING (MS, ME)

MATERIALS SCIENCE AND ENGINEERING (MS,PhD)

MATHEMATICS (MST, PhD) MI

Analysis (PhD)
Differential and Functional Equations (PhD)
Statistics (PhD)

MECHANICAL ENGINEERING (BS,MS,PhD,DE)

Aerospace Engineering (PhD, DE)
Control Systems
Energy Conversion
Environmental Systems
Instrumentation
Manufacturing Processes
Materials Science
Mechanical Design and Analysis
Thermal Science

METALLURGICAL ENGINEERING (BS,MS,PhD)

Chemical Metallurgy (BS)
Manufacturing Metallurgy (BS)
Physical Metallurgy (BS)

MINING ENGINEERING (BS,MS,ME,PhD,DE) MI

Coal (BS)
Explosives Engineering (BS)
Mining & the Environment (BS)
Mining Health and Safety (BS)
Quarry Engineering (BS)
Sustainable Development (BS)

NUCLEAR ENGINEERING (BS,MS,PhD,DE) MI

PETROLEUM ENGINEERING (BS,MS,PhD,DE) MI

PHILOSOPHY (BA) MI

PHYSICS (BS,MS,MST,PhD) MI

Applied Physics (BS)
Geophysics (BS)
Secondary Education (BS)

PSYCHOLOGY (BA,BS) MI

Cognitive Neuroscience
Human Resources/Personnel
Human Services
Psychology of Leadership
Secondary Education (BA, BS)
Usability of Technology

SYSTEMS ENGINEERING (MS,PhD)

TECHNICAL COMMUNICATION (BS,MS) MI



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Additional Undergraduate Minors

Enhance your undergraduate degree with one of a wide range of minor programs below or designated MI on the opposite page.

American Studies

Art

Bioinformatics

Business

Cognitive Neuroscience

Communication Studies

Energy Technology

Enterprise Resource Planning

Ethics

Explosives Engineering *

Film and Literature

Finance

French

Geology

German

Global Studies

Ind/Organizational Psych

International Economics

Leadership Communication

Literature

Literature and Film

Marketing

Materials

Military Science

Mineral Process Engineering

Multiculturalism & Diversity

Music

Philosophy of Technology

Political Science

Pre-Law

Pre-MBA

Pre-Medicine

Psychology of Leadership

Psychometrics

Russian

Science, Technology & Politics

Sociology

Spanish

Studio Art

Sustainability

Theatre

Writing

*Explosives Engineering is an approved minor at both the graduate and undergraduate levels.

Undergraduate Certificates

Certificates

Explosives Engineering

Design

Discipline

Mining Engineering

Interdisciplinary Engineering

Graduate Certificates dce.mst.edu

Certificate programs give you the opportunity to broaden your knowledge in a discipline, learn the latest in developing fields and stay competitive in today's marketplace. By taking a few courses instead of completing an entire degree program, you will be able to demonstrate advanced knowledge in a field.

Certificates

Actuarial Science

Business Essentials

Business Intelligence

CAD/CAM and Rapid Product Realization

Composite Materials and Structures

Computational Intelligence

Contemporary Structural Engineering

Control Systems

Electric Machine and Drives

Electrical Power Systems Engineering

Engineering Management

Engineering Mechanics

Enterprise Resource Planning

Explosives Engineering

Financial Engineering

Financial Mathematics

Geoenvironmental Engineering

Geotechnical Earthquake Engineering

Geotechnics

Human Computer Interaction

Human Systems Integration

Information Assurance and Security

Infrastructure Renewal

Leadership in Engineering Organizations

Lean Six Sigma

Manufacturing Automation

Manufacturing Systems

Military Construction Management

Military Geological Engineering

Mining Engineering

Multimedia and Information Systems

Network Centric Systems

Project Engineering and Construction Management

Project Management

Psychology of Leadership

Psychometrics

Quality Engineering

Software Design and Development

Systems Engineering

Wireless Networks and Mobile Systems

Discipline

Mathematics

Business Administration

Information Science & Technology

Manufacturing Engineering

Aerospace Engineering/Mechanical Engineering

Systems Engineering/Computer Engineering/Computer Science

Civil Engineering

Mechanical Engineering

Electrical Engineering

Electrical Engineering

Engineering Management

Engineering Mechanics

Information Science & Technology

Mining Engineering

Engineering Management/Systems Engineering

Mathematics

Civil Engineering

Civil Engineering

Geological Engineering

Information Science & Technology

Engineering Management/Information Science and Technology

Computer Engineering/Computer Science

Civil Engineering

Engineering Management/Psychology

Engineering Management

Mechanical Engineering

Manufacturing Engineering

Civil Engineering/Engineering Management

Geological Engineering

Mining Engineering

Computer Science

Computer Engineering/Systems Engineering

Civil Engineering/Engineering Management

Engineering Management/Information Science and Technology

Information Science and Technology/Psychology

Mathematics/Psychology

Engineering Management

Computer Science

Systems Engineering

Computer Science



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