AEROSPACE ENGINEERING (BS, MS, PhD) MI
APPLIED MATHEMATICS (BS, MS) MI
  Actuarial Science (BS)
  Algebra (MS)
  Algebra/Discrete Mathematics (BS)
  Applied Analysis
  Computational Mathematics
  Secondary Education (BS)
ARCHITECTURAL ENGINEERING (BS)
  Construction Eng & Project Mgt
  Construction Materials
  Environmental Systems for Buildings
  Structural Engineering
BIOLOGICAL SCIENCES (BA, BS, MS) MI
  Medical Laboratory Scientist (BS)
  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
  Secondary Education
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 (BS)
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) MI
  Computational Intelligence
  Computer Architecture and Embedded Systems
  Integrated Circuits and Logic Design
  Networking, Security, and Dependability
COMPUTER SCIENCE (BS, MS, PhD) MI
  Critical Infrastructure Protection (MS)
  Software Engineering (MS)
ECONOMICS (BA, BS) MI
  Economics/Business (BS)
  Secondary Education (BA)
EDUCATION (BS)
  Elementary
  Middle School Language Arts
  Middle School Math
  Middle School Science
  Middle School Social Studies
ELECTRICAL ENGINEERING (BS, MS, PhD, DE) MI
  Circuits and Electronics
  Communications and Signal Processing
  Computer Engineering
  Controls and Systems
  Electromagnetics
  Optics and Devices
  Power and Energy
  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 AND TECHNICAL COMMUNICATION (BS)
ENVIRONMENTAL ENGINEERING (BS, MS)
EXPLOSIVES ENGINEERING (MS, PhD) MI
EXPLOSIVES TECHNOLOGY (MS)
GEOLOGICAL ENGINEERING (BS, MS, PhD, DE) MI
  Engineering Geology and Geotechnics (BS)
  Environ Protect & Haz Waste Mgt (BS)
  Groundwater Hydro & Contaminant 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)
  Geophysics (BS)
  Geology (BS)
  Geophysics (BS)
  Groundwater & Environmental Geochemistry (BS)
  Petroleum Geology (BS)
GEOTECHNICS (ME)
  Secondary Education
HISTORY (BA, BS) MI
  Secondary Education (BA)
INDUSTRIAL ORGANIZATIONAL PSYCHOLOGY (MS)
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
  Computational and Applied Mathematics (PhD)
  Statistics (PhD)
MECHANICAL ENGINEERING (BS, MS, PhD, DE)
  Control Systems
  Energy Conversion
  Environmental Systems
  Instrumentation
  Manufacturing Processes
  Materials Science
  Mechanical Design and Analysis
  Systems Integration
  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)
MULTIDISCIPLINARY STUDIES (BA)
NUCLEAR ENGINEERING (BS, MS, PhD, DE) MI
PETROLEUM ENGINEERING (BS, MS, PhD, DE) MI
PHILOSOPHY (BS) MI
PHYSICS (BS, MS, MST, PhD) MI
  Applied Physics (BS)
  Geophysics (BS)
  Secondary Education (BS)
PSYCHOLOGY (BA, BS) MI
  Cognition and Neuroscience
  Diversity and Inclusion (BA)
  Health Psychology
  Human Factors
  Industrial Organizational Psychology
  Secondary Education (BA, BS)
MINORS
(In addition to those designated MI on previous page)

Adaptive Leadership
American Studies
Art
Artificial Intelligence and Machine Learning in Business
Automation Engineering
Bioinformatics
Biomedical Engineering
Business
Business Analytics & Data Science
Business Applications and Software Development
Cognitive Neuroscience
Communication Studies
Construction Engineering & Management
Creative Writing
Cybersecurity Management and Information Assurance
Digital Supply Chain Management
Electronic and Social Commerce
Energy Technology
Entrepreneurship
Ethics
Explosives Engineering *
Film and Literature *

Finance
Financial Technology
French
Game Studies
Geology
German
Global Studies
Global Sustainable Economics
Human-Computer Interaction & User Experience
Human Factors Psychology
Ind/Organizational Psych
International Economics
Latin American Studies for Technical Applications
Leadership Communication
Linguistics
Literature
Literature and Film
Management
Marketing
Military Aerospace Studies
Mineral Process Engineering
Mobile Business and Technology
Multiculturalism & Diversity
Music
Philosophy of Technology
Political Science
Pre-Law
Pre-MBA
Pre-Medicine
Psychology for Health Care
Psychology of Leadership
Psychometrics
Russian
Science, Technology & Humanity
Social Media in Industry
Sociology
Spanish
Studio Art
Sustainability
Technical Communication *
Theatre
Writing

* Indicates undergraduate & graduate level minor

UNDERGRADUATE CERTIFICATES

Certificate
Automation Engineering
Bioinnovation
Explosives Engineering
Explosives Technology
Logic and the Philosophical Foundations of STEM
Medieval and Renaissance Studies
Professional Ethics and Moral Reasoning
Science, Technology, and Society
Teaching and Learning
Technical Writing
Technology, Philosophy, and Ethical Futures

Discipline
Electrical Engineering
Biological Sciences
Mining Engineering
Mining Engineering
Philosophy
History
Philosophy
History
Teacher Education and Certification
Technical Communication
Philosophy

GRADUATE CERTIFICATES

Certificates
Actuarial Science
Advanced Control Systems
Advanced Engineering Materials
Advanced Materials for Sustainable Infrastructure
Aggregates Management
AI, Machine Learning and Automation in Business
Applied Workplace Psychology
Automation Engineering and PLC
Big Data Management and Analytics
Big Data Management and Security
Building Systems Engineering
Business Analytics and Data Science
Business Essentials
Business Intelligence
Business Project Management
CAD/CAM and Rapid Product Realization
Chemical Process Engineering
Composite Materials and Structures
Computational Intelligence
Contemporary Structural Engineering

Discipline
Mathematics
Electrical Engineering
Materials Science and Engineering
Civil Engineering
Mining Engineering
Information Science & Technology
Psychology
Electrical Engineering
Computer Science
Computer Science
Civil Engineering
Information Science & Technology
Business Administration
Information Science & Technology
Business Administration
Manufacturing Engineering
Chemical Engineering
Aerospace Engineering/Mechanical Engineering
Systems Engineering/Computer Engineering/Computer Science
Civil Engineering
Control Systems
Cyber Physical Systems
Cyber Security
Cybersecurity and Information Assurance Management
Digital Media and Web Design
Digital Supply Chain Management
Electric Machine and Drives
Electrical Power Systems Engineering
Electronic and Social Commerce
Energy Conversion and Transport
Engineering Management
Engineering Mechanics
Enterprise Resource Planning
Entrepreneurship and Technological Innovation
Explosives Engineering
Explosives Technology
Finance
Financial Engineering
Financial Mathematics
Financial Technology
Geoanalytics and Geointelligence
Geoenvironmental Engineering
Geoenvironmental Science and Engineering
Geologic Hazards
Geophysics
Geotechnical Earthquake Engineering
Geotechnics
Human-Computer Interaction and User Experience
Human Systems Integration
Information Assurance & Security Officer Essentials
Information System Project Management
Information Systems and Cloud Computing
Infrastructure Renewal
Iron and Steel Metallurgy
Lean Six Sigma
Management and Leadership
Management for Sustainable Business
Manufacturing Automation
Manufacturing Systems
Materials for Extreme Environments
Military Construction Management
Military Geological Engineering
Mine Reclamation
Mining Engineering
Mining Project Evaluation
Mobile Business and Technology
Model Based Systems Engineering
Nuclear Nonproliferation
Petroleum Systems
Project Engineering and Construction Management
Project Management
Safety Engineering
Software Design and Development
Space Resources
Statistical Methods in Psychology
Statistics
Subsurface Water Resources
Surface Water Resources
Sustainability in Mining
Systems Engineering
Systems and Software Architecture
Technical Communication
Wireless Networks and Mobile Systems

Mechanical Engineering
Computer Engineering/Systems Engineering
Computer Science
Information Science and Technology
Information Science & Technology
Electrical Engineering
Electrical Engineering
Aerospace Engineering/Mechanical Engineering
Information Science & Technology
Business Administration
Explosives Engineering
Explosives Engineering
Business Administration
Engineering Management/Systems Engineering
Mathematics
Business Administration
Geological Engineering
Civil Engineering
Geological Engineering and Geology and Geophysics
Geological Engineering
Geology and Geophysics
Civil Engineering
Geotechnics
Information Science & Technology
Engineering Management/Information Science & Technology
Computer Engineering/Computer Science
Computer Science
Civil Engineering
Metallurgical Engineering
Business Administration
Economics
Mechanical Engineering
Manufacturing Engineering
Materials Science and Engineering
Engineering Management
Geological Engineering
Mining Engineering
Mining Engineering
Mining Engineering
Information Science & Technology
Systems Engineering
Nuclear Engineering
Geology and Geophysics
Civil Engineering/Engineering Management
Engineering Management
Chemical and Biochemical Engineering/Engineering Management
Computer Science
Geological Engineering
Geological Engineering
Chemical and Biochemical Engineering/Engineering Management

TEACHER CERTIFICATION PROGRAMS

Elementary Education Certification
- Elementary Education BS
Middle School Education Certification
- Elementary Education BS
- Middle School Language Arts
- Middle School Math
- Middle School Science
- Middle School Social Studies
Secondary Education Certification
- Applied Mathematics BS
- Biological Sciences BA
- Business and Management Systems BS
- Chemistry BA
- Economics BA
- History BA
- Physics BS
- Psychology BA, BS

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