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)
  Statistics
ARCHITECTURAL ENGINEERING (BS)
  Construction Eng & Project Mgt
  Construction Materials
  Environmental Systems for Buildings
  Structural Engineering
BIOLOGICAL SCIENCES (BA, BS, MS) 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
  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)
  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) 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)
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 (BA)
  Secondary Education
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)
  Geochemistry (BS)
  Geology (BS)
  Geophysics (BS)
  Groundwater & Environmental Geochemistry (BS)
  Petroleum Geology (BS)
GEOTECHNICS (ME)
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
  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
  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
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
Enterprise Resource Planning
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
Humanitarian Engineering and Science
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

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UNDERGRADUATE CERTIFICATES

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<thead>
<tr>
<th>Certificate</th>
<th>Discipline</th>
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<tbody>
<tr>
<td>Automation Engineering</td>
<td>Electrical Engineering</td>
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<tr>
<td>Bioinnovation</td>
<td>Biological Sciences</td>
</tr>
<tr>
<td>Explosives Engineering</td>
<td>Mining &amp; Nuclear Engineering</td>
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<td>Explosives Technology</td>
<td>Mining &amp; Nuclear Engineering</td>
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<tr>
<td>Technical Writing</td>
<td>Technical Communication</td>
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GRADUATE CERTIFICATES

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<tr>
<td>Actuarial Science</td>
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<td>Advanced Control Systems</td>
<td>Electrical Engineering</td>
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<td>Advanced Engineering Materials</td>
<td>Materials Science and Engineering</td>
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<td>AI, Machine Learning and Automation in Business</td>
<td>Information Science &amp; Technology</td>
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<td>Applied Workplace Psychology</td>
<td>Psychology</td>
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<td>Automation Engineering and PLC</td>
<td>Electrical Engineering</td>
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<td>Big Data Management and Analytics</td>
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<td>Big Data Management and Security</td>
<td>Computer Science</td>
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<tr>
<td>Business Analytics and Data Science</td>
<td>Information Science &amp; Technology</td>
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<tr>
<td>Business Essentials</td>
<td>Business Administration</td>
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<td>Business Intelligence</td>
<td>Information Science &amp; Technology</td>
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<tr>
<td>Business Project Management</td>
<td>Business Administration</td>
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<td>CAD/CAM and Rapid Product Realization</td>
<td>Manufacturing Engineering</td>
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<td>Composite Materials and Structures</td>
<td>Systems Engineering/Computer Engineering/Computer Science</td>
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<td>Computational Intelligence</td>
<td>Civil Engineering</td>
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<td>Contemporary Structural Engineering</td>
<td>Mechanical Engineering</td>
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<td>Control Systems</td>
<td>Computer Engineering/Systems Engineering</td>
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<td>Cyber Physical Systems</td>
<td>Computer Science</td>
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<td>Information Science and Technology</td>
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<td>Cybersecurity and Information Assurance Management</td>
<td>Information Science &amp; Technology</td>
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<td>Digital Media and Web Design</td>
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<td>Digital Supply Chain Management</td>
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<td>Electric Machine and Drives</td>
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<td>Electronic and Social Commerce</td>
<td>Information Science &amp; Technology</td>
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<td>Energy Conversion and Transport</td>
<td>Aerospace Engineering/Mechanical Engineering</td>
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<td>Engineering Management</td>
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<td>Engineering Mechanics</td>
<td>Aerospace Engineering/Mechanical Engineering</td>
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<td>Enterprise Resource Planning</td>
<td>Information Science &amp; Technology</td>
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<tr>
<td>Entrepreneurship and Technological Innovation</td>
<td>Business Administration</td>
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Explosives Engineering  Explosives Engineering  Explosives Engineering
Finance  Explosives Engineering  Business Administration
Financial Mathematics  Business Administration  Mathematics
Financial Technology  Geological Engineering  Civil Engineering
Geoanalytics and Geointelligence  Geological Engineering and Geology and Geophysics  Geologic Hazards
Geoenvironmental Engineering  Geological Engineering  Geophysics
Geoenvironmental Science and Engineering  Geological Engineering  Geotechnics
Geogeoanalytics and Geointelligence  Geotechnics  Human-Computer Interaction and User Experience
Human Systems Integration  Information Science & Technology  Information Assurance & Security Officer Essentials
Information Assurance & Security Officer Essentials  Computer Engineering/Computer Science  Information Systems Project Management
Information Systems Project Management  Computer Science  Information Systems and Cloud Computing
Information Systems and Cloud Computing  Civil Engineering  Infrastructure Renewal
Infrastructure Renewal  Business Administration  Iron and Steel Metallurgy
Lean Six Sigma  Economics  Management and Leadership
Management and Leadership  Information Science & Technology  Manufacturing Automation
Manufacturing Automation  Engineering Management  Manufacturing Systems
Manufacturing Systems  Business Administration  Materials for Extreme Environments
Materials for Extreme Environments  Metallurgical Engineering  Military Construction Management
Military Construction Management  Management for Sustainable Business  Military Geological Engineering
Military Geological Engineering  Metallurgical Engineering  Mining Engineering
Mining Engineering  Economics  Mobile Business and Technology
Mobile Business and Technology  Information Science & Technology  Model Based Systems Engineering
Model Based Systems Engineering  Systems Engineering  Nuclear Nonproliferation
Nuclear Nonproliferation  Nuclear Engineering  Petroleum Systems
Petroleum Systems  Geology and Geophysics  Project Engineering and Construction Management
Project Engineering and Construction Management  Chemical and Biochemical Engineering/Engineering Management  Project Management
Project Management  Engineering Management  Safety Engineering
Safety Engineering  Chemical and Biochemical Engineering  Software Design and Development
Software Design and Development  Computer Science  Space Resources
Space Resources  Geological Engineering  Statistical Methods in Psychology
Statistical Methods in Psychology  Mathematics and Statistics/Psychology  Statistics
Statistics  Mathematics and Statistics  Subsurface Water Resources
Subsurface Water Resources  Geological Engineering  Systems Engineering
Systems Engineering  Computer Science  Systems and Software Architecture
Systems and Software Architecture  Computer Science  Technical Communication
Technical Communication  Computer Science  Wireless Networks and Mobile Systems
Wireless Networks and Mobile Systems

TEACHER CERTIFICATION PROGRAMS

Elementary Education Certification
- Multidisciplinary Studies BA

Middle School Education Certification
- Multidisciplinary Studies BA

Secondary Education Certification
- Applied Mathematics BS
- Biological Sciences BA
- Business and Management Systems BS
- Chemistry BA
- Economics BA
- English BA
- History BA
- Physics BS
- Psychology BA, BS

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Updated 08/05/2020