



# Online Graduate Certificates

Michigan Tech - College of Engineering



Michigan Technological University  
College of Engineering

# Tech Up, Step Up, Move Up ...

For those of you who are looking to:

- Looking to make a move to a different industry
- Enhancing their skills to get to the next level in your career
- Add additional credentials to get your dream job
- Simply increase your technical skills in your area

— ...Michigan Tech's College of  
Engineering now offers a path to do so



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# Online Graduate Certificates

- Graduate Level Certification
- 3 courses - 9 credits
- Michigan Tech's excellence and credibility
  - Same rigor and standard as the other courses taught at Michigan Tech
  - Industry recognized knowledge and skills
- Low commitment way to enhance your technical skills and credibility

**...Start with a course and work towards a graduate certificate**



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# Available Certificates

- Wide variety of certificates available
- Currently 27 certificates to choose from in Civil, Mechanical, Biomedical, Geological and Material Science Engineering
- Several more certificates in the pipeline

Civil (CEE) - 9

Mechanical (MEEM) - 6

Geological (GMES) - 2

Material Science (MSE) - 2

Biomedical (BME) - 2

Electrical/Computer (ECE) - 3

Chemical Engineering - 2

Manufacturing (MMET) -1

# For More details

<https://www.mtu.edu/engineering/graduate/certificates>



Scan with your phone

## Elevate your ambitions.

Choose the right **online engineering certificate** for you:



### Aerodynamics

Refresh your fluid mechanics background and move into advanced concepts and applications.

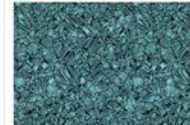
[Learn More](#)



### Computational Fluid Dynamics

Simulate the fluid dynamics and heat transfer problems critical to flow studies.

[Learn More](#)



### Computational Materials Science

Simulate the processes required to develop specific materials microstructures and properties.

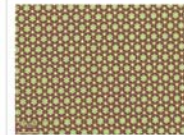
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### Dynamic Systems

Develop a foundation of analytical mechanics and multiphysics modeling.

[Learn More](#)



### Fundamentals of Materials Engineering

Apply the Processing-Structure-Properties-Performance paradigm of the MSE discipline.

[Learn More](#)



### Geoinformatics

Explore the principles of geospatial statistics and modeling.

[Learn More](#)



### Medical Devices and Technologies

Develop skills and competencies in biomedical devices.

[Learn More](#)



### Natural Hazards and Disaster Risk Reduction

Apply hazard analysis and effective communication to lessen the impact of hazard events on communities.

[Learn More](#)



### Quality Engineering

Learn SPC, Lean, and DOE tools and techniques for process and product quality and productivity improvement.

[Learn More](#)

# Benefits

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- Earn a graduate certificate from Michigan Tech - credential to boost your career prospects
- Learn from highly qualified instructors who are pioneers in their field
- Flexibility for busy professionals:
  - Attend Michigan Tech classes from anywhere in the US
  - Ability to attend classes live or watch the classes at a more convenient time
- Be a part of the class; interact and learn from peers
- Complete the graduate certificate in as quickly as two semesters or at a pace that is comfortable to you
- Access to Michigan Tech resources (ex:Career services)





## Recent Michigan Tech graduates

For those who have graduated from Michigan Tech in the past two years:

- One of the undergraduate courses may be counted towards the graduate certificate (needs approval from the department)
- Complete graduate certificate in less time and at a lower cost

Potential to stack one or more of these certificates towards a masters program





## How to apply

- Undergraduate degree from the same or a related field is a prerequisite
- Fill in the [graduate student application form](#)
- Submit the transcripts
- GRE is NOT required
- International Students must apply and be accepted into a degree granting program in order to earn a graduate certificate.







[www.mtu.edu/huskybites](http://www.mtu.edu/huskybites)



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