### Uncrewed Aerial Systems

**NMC COURSE SEQUENCE**

#### CERTIFICATE OF ACHIEVEMENT (Level I) REQUIREMENTS

<table>
<thead>
<tr>
<th>COURSE</th>
<th>TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>UAS 107</td>
<td>Remote Pilot Ground</td>
<td>3</td>
</tr>
<tr>
<td>UAS 141</td>
<td>Remote Pilot Flight</td>
<td>3</td>
</tr>
<tr>
<td>UAS 211</td>
<td>Commercial Drone Operations</td>
<td>3</td>
</tr>
<tr>
<td>UAS 241</td>
<td>Advanced Drone Operations</td>
<td>3</td>
</tr>
<tr>
<td>Directed electives</td>
<td>Select any 3 or 4 credit course, see website for full list.</td>
<td>3-4</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS** 15-16

See website for more information at nmc.edu/programs/academic-programs/uas

#### ASSOCIATE OF APPLIED SCIENCE REQUIREMENTS

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<tr>
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<td>UAS 241</td>
<td>Advanced Drone Operations</td>
<td>3</td>
</tr>
<tr>
<td>WSI 300</td>
<td>Remote Sensing and Sensors</td>
<td>3</td>
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<tr>
<td>Select one of the following:</td>
<td>UAS 220 UAS Projects and Maintenance</td>
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<tr>
<td></td>
<td>EET 260 System Engineering in Practice</td>
<td>3</td>
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<tr>
<td>Select one of the following electives:</td>
<td>EET 204 Electrical Studies II</td>
<td>3-5</td>
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<tr>
<td></td>
<td>EET 290 Engineering Tech Internship</td>
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<td></td>
<td>SVR 110 Fundamentals of Surveying</td>
<td>3</td>
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<td></td>
<td>UAS 255 UAS Safety Management</td>
<td>3</td>
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<td>Technical Specialty Requirements</td>
<td>DD 170 CADD/Computer Modeling</td>
<td>4</td>
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<td>EET 102 Intro to Engineering Tech</td>
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<tr>
<td></td>
<td>EET 103 Electrical Studies I</td>
<td>3</td>
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<tr>
<td></td>
<td>MFG 104 Fluid Power</td>
<td>3</td>
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<tr>
<td></td>
<td>RAM 155 Microcontroller Programming</td>
<td>3</td>
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<tr>
<td>General Education Requirements</td>
<td>ENG 111 English Composition</td>
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<td>Select one of the following:</td>
<td>ENG 112 English Composition</td>
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<td>ENG 220 Technical Writing</td>
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<td>BUS 231 Professional Communications</td>
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<td>PHL 105 Critical Thinking</td>
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**TOTAL CREDITS** 60-63

### BACHELOR OF BUSINESS ADMINISTRATION (BBA) DEGREE IN MANAGEMENT WITH AN UNCREWED AERIAL SYSTEMS SPECIALTY

#### Make your experience work for you

The partnership between Northwestern Michigan College and Davenport University awards full transfer credit for coursework from your:

- Associate in Applied Science, Uncrewed Aerial Systems Technology degree
- Credit for your valid Flight Instructor Certificate
- Additional NMC business credits

You can complete the bachelor’s program in under two years.

**What can you expect to gain?** You’ll master the art of managing, influencing, and steering organizations toward success. Dive into the world of risk management and hone your decision-making abilities.

Important skills like data analytics, project management, quality management and business strategy are also integrated into the curriculum.

#### Connect with us

Tony Sauerbrey — UAS program coordinator  
nmc.edu/uas | tsauerbrey@nmc.edu

Northwestern Michigan College  
1701 E. Front Street, Traverse City, MI  
Admissions: (231) 995-1054  
admissions@nmc.edu

Explore the Future of Drone Technology: Cutting-edge facilities and equipment await you in Traverse City, MI!
YOUR PATHWAY

Are you ready to soar to new heights in the world of Uncrewed Aerial Systems (UAS)?

Whether you dream of piloting drones, conducting aerial surveys, or advancing research in UAS technology, our program has you covered.

Discover your journey to a promising career in Uncrewed Aerial Systems.

Embark on your unique educational journey. NMC offers:

- **Specialized training**
- **Certificate program**
- **Complete an associate degree in 2 years**
- **Direct transfer to a bachelor's degree with Davenport University located at the University Center in Traverse City, MI**
- **Internship opportunities are available for additional credits.**

What can you expect?
Our program is hands-on, offering you a chance to dive into all aspects of commercial drone operations and applications. Get ready to sharpen your skills and unlock the potential for a rewarding future in this exciting field.

When you complete NMC's program, you'll proudly hold an FAA Remote Pilot certificate, a must-have for anyone wanting to fly drones commercially. We're with you every step of the way, starting from the basics and gradually guiding you to operate high-grade drone systems like a pro.

Ready to put your new skills to the test? You'll learn how to use drones for a wide range of commercial applications such as:

- Aerial Photography
- Land Surveying
- Agricultural Operations
- Infrastructure Inspections

Upper range salaries can range from $100,000 - $120,000

*By 2030 the global UAS market is expected to grow to $91.23 billion.*

Whichever path you choose, UAS offers a dedicated faculty and staff available to help you reach your career goals.

**Careers in:**
- Agriculture
- Construction
- Energy
- Government
- Public safety
- Transportation
- Science

**DID YOU KNOW?**

“They set you up for success with all of the certificates on top of an Associate’s degree.”

Enos Bacon, UAS Graduate class of 2021
Employer: Fulcrum Air

“I am flying a 68 lb. drone that lifts a 215 lb. robot. The robot then crawls down the power line. All this beyond visual line of sight.”

**STACK YOUR DEGREE**

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Austin Burnham, 25, transfer student

Start your NMC journey at nmc.edu/apply 855.Find.NMC

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