



UNMANNED AIRCRAFT SYSTEMS (UAS)



CONTACT INFORMATION



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NDSCS

UNMANNED AIRCRAFT SYSTEMS (UAS)

The Science of Success.

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NDSCS

NORTH DAKOTA STATE COLLEGE OF SCIENCE

UNMANNED AIRCRAFT SYSTEMS (UAS)



WHAT CAN YOU DO WITH A UAS CERTIFICATE?

UAS technology is one of the fastest growing industries in the world and applications of this technology in many other industries are being found all the time.

CERTIFICATE LEVEL CAREERS

- Remote Pilot
- Chief Pilot
- Sensor Operator
- Business Owner

Add this 12 credit Certificate to an Associate's Degree you are currently pursuing and you will be an important asset for your future employer as a Remote Pilot.

INDUSTRY APPLICATION

The UAS Certificate prepares students to become remote pilots for many different industries:

- Land Surveying/
Civil Engineering
- Architecture
- Construction/
Construction Management
- Agriculture
- Marketing
- and more

WHAT YOU CAN EXPECT

Students will learn how to fly, collect and process data through hands-on learning in these areas:

- Photogrammetry
- LiDAR
- Thermography
- Photography
- Multi-spectral Imaging
- Videography

Students will also learn how to process 3D models, 3D surfaces, calculate surface volumes, analyze thermal images, analyze vegetation with NDVI mapping, use LiDAR data, edit photos and create video productions using:

- Pix4D Imaging Software
- Autodesk Infraworks
- ESRI ArcGIS
- Adobe Lightroom
- Autodesk Civil 3D
- Adobe Photoshop
- Autodesk Recap
- Adobe Premiere Pro
- Adobe After Effects

GAIN INDUSTRY CERTIFICATION

- FAA Remote Pilot Certificate

This certificate program is structured to be taken in conjunction with another NDSCS academic program option. If taken as a standalone program, it does not qualify for financial aid funding due to Department of Education requirements.