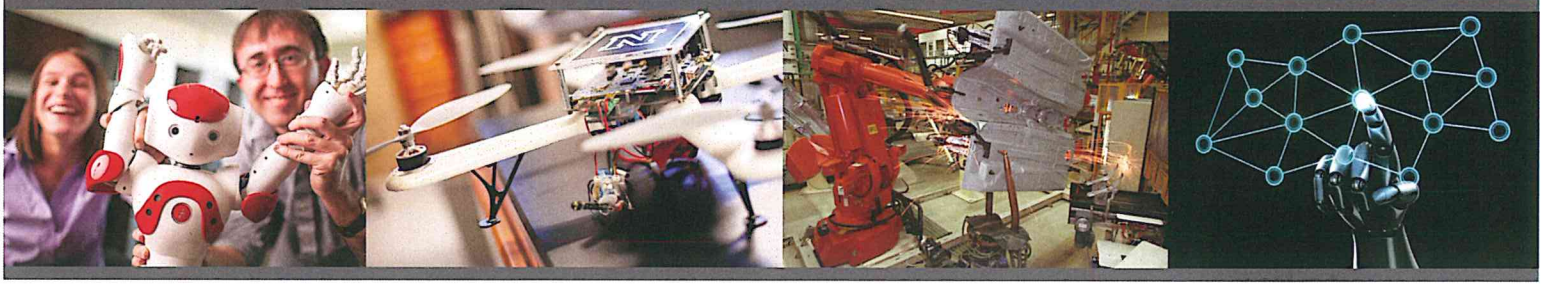
Nevada was recently designated as 1 of 6 FAA Unmanned Aircraft Systems Research and Test Sites in the U.S.



NAASIC

Nevada Advanced Autonomous Systems Innovation Center

University of Nevada, Reno

A National Tier 1 University

THE VISION

The Nevada Advanced Autonomous Systems Innovation Center (NAASIC) will be a national and a global leader in technology innovation in advanced autonomous systems.

THE MISSION

Finding solutions to advance the development, application, and commercialization of Unmanned Autonomous Systems (UAS)

THE PARTNERS

Research, education, and innovation programs in advanced autonomous systems at the University of Nevada, Reno are led by the College of Engineering in collaboration with faculty and researchers from:

- College of Agriculture, Biotechnology and Natural Resources
- College of Business
- College of Liberal Arts
- College of Science
- University of Nevada Cooperative Extension

Additional partners include:

- University of Nevada Reno's Entrepreneurship Program and Technology Transfer Office
- Nevada Small Business Development Center
- Nevada Industry Excellence
- Governor's Office of Economic Development
- Economic Development Authority of Western Nevada
- Southern Nevada Defense Business Coalition
- Governor's Workforce Investment Board
- Aerospace and Defense Sector Council
- Nevada Institute for Autonomous Systems
- ME Industrial Advisory Board
- Drone America
- Nevada NanoTech Systems, Inc.
- Tripp Enterprises
- GloCal Venture Capital

THE OBJECTIVE
PUBLIC-PRIVATE SECTOR COLLABORATION

NAASIC team members will collaborate with industry throughout Nevada on their research and development needs.

- Funding opportunities (STTR/SBIR)
- Training programs (certificates)
- Networking/idea generation
- Technology transfer opportunities

RESEARCH EXPERTISE

Researchers in the area of advanced autonomous systems work on topics ranging from improving navigation and control of autonomous systems to developing applications related to environmental science and land management.

Expertise includes:

- Advanced manufacturing
- Advanced power and energy systems
- Business development
- Environmental applications
- Guidance/navigation/controls
- Human factors
- Imaging (capture, processing, transmission)
- Low power sensing/electronics
- Reliable communication systems

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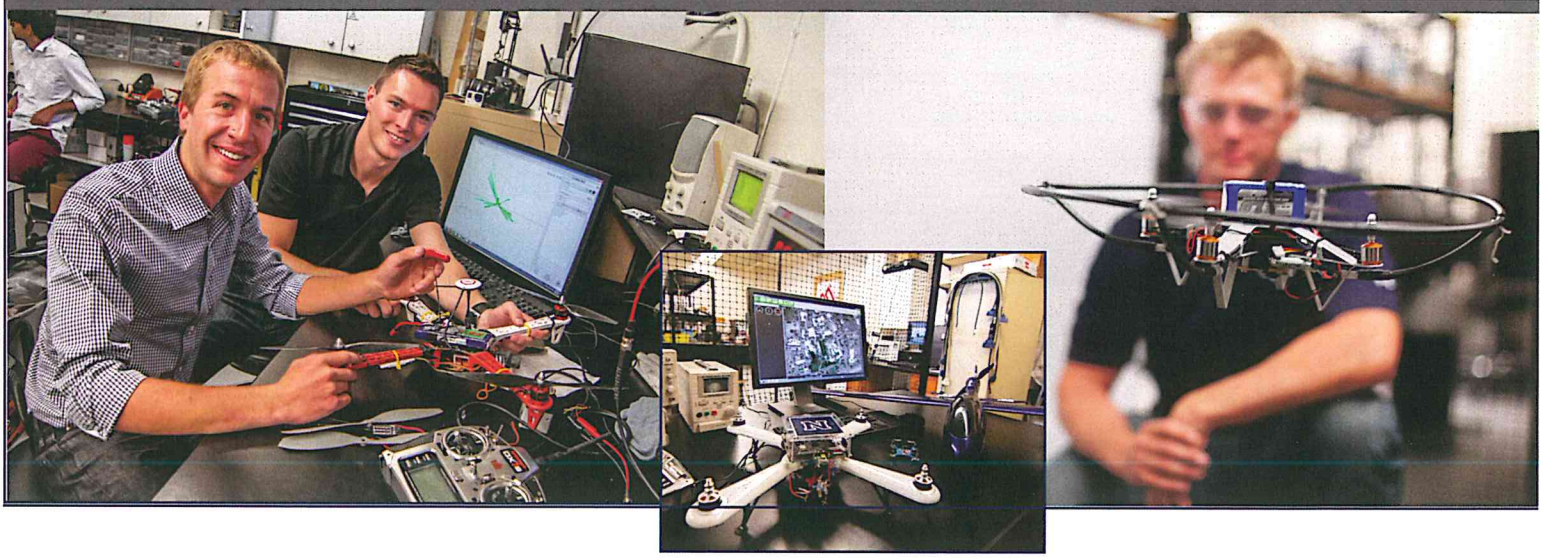

MINOR IN UNMANNED AUTONOMOUS SYSTEMS

Unmanned autonomous systems (UAS) are high-tech, intelligent machines, capable of traveling by air, land, or sea without a human crew on board.

Thanks to advanced computing technology, sensing capability, and mechanical design, unmanned autonomous systems are versatile machines able to maneuver in diverse — and sometimes dangerous — environments. Equipped with sensors, a UAS could go into the heart of a storm or a spreading wildfire to monitor threats to human lives and property or travel through remote areas to gather environmental data.

This rapidly expanding industry requires highly educated individuals who understand the fundamentals of UAS in terms of design, engineering, operation, and data analysis.

The interdisciplinary minor in UAS provides students with skills and experiences that will help them better apply the knowledge gained in their majors to specialized problems in the field of UAS.

www.unr.edu/degrees/uas/minor

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COLLEGE OF ENGINEERING

Making a world of difference.℠

For more information on NAASIC, please contact Dean Manos Maragakis, College of Engineering at (775) 682-7757 or maragaki@unr.edu

UAS at University of Nevada, Reno • www.unr.edu/autonomous-systems

UAS Minor • www.unr.edu/degrees/uas/minor