



10 Things About Aerospace at CSU

Colorado State University is committed to advancing Colorado's aerospace sector through government and industry partnerships that drive innovation and propel the sector forward.

Our distinguished network includes accomplished alumni, including astronauts, military personnel, and business leaders.



Read the full article and get information on our aerospace programs on our website at www.engr.colostate.edu/aerospace

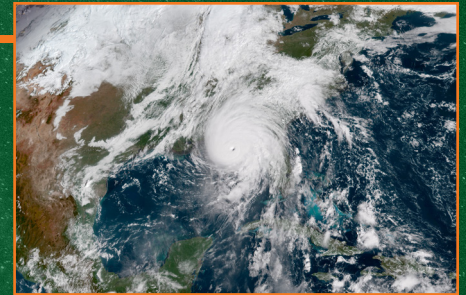


#1 Our aerospace education is diverse, ranging from certificates through doctoral studies.

Topics include wireless tech, AI, energy efficiency, propulsion, fluid dynamics, materials, aerospace systems, cybersecurity, energy systems, satellite and radar, and atmospheric science.

#2 We have extensive aerospace partnerships with government and industry.

Partnerships include a \$128M cooperation agreement with NOAA called the Cooperative Institute for Research in the Atmosphere (CIRA), which provides the nation with weather data and imagery.



#3 We have a new hypersonic wind tunnel, enabling innovative aerospace and military defense research on par with equipment at NASA and the U.S. Air Force.

#4

Lockheed Martin, Northrop Grumman, Maxar and Woodward are among the partners with representation on our industrial advisory boards guiding curriculum and strategic direction.





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#5

The CSU Drone Center serves to remove barriers to UAV-enabled research and education.

It provides consultation on aircraft systems, project guidance, pilot training, logistical support, sensor integration and equipment rental.

#6

We have exceptional students.

Recent undergraduate recipients of the coveted Astronaut Scholarship: Amanda Merkley, computer engineering (2019); Kori Eliaz, electrical engineering (2021); and Chloe Brekhus, mechanical engineering (2023).



#7

University Distinguished Professor Sue van den Heever in Atmospheric Science is the first woman to lead a NASA Earth Venture Mission.

She leads INCUS, a \$177M project to study the behavior of tropic storms to improve weather and climate models. Launch expected in 2027.

#8

CSU has sent other projects into space including TEMPEST-D, a small but mighty satellite to improve weather forecasting.

The dictionary-sized satellite is equipped with game-changing technology to collect scientific data and exquisite images of weather events such as hurricanes and typhoons.



#9

CSU's student organizations participate in a wide variety of aerospace initiatives.

- AIAA CSU ranked highest among Colorado universities in the 2023 AIAA Design Build Fly challenge.
- CSU will take part in the NASA Student Launch Challenge in 2024.
- Others include Ram Rocketry, SEDS CSU, Front Range INCOSE Chapter and the IEEE student chapter.



#10

CSU hosted the 2023 AIAA Rocky Mountain Section annual symposium, bringing together leaders in industry, academia, and government.

