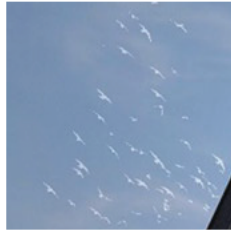


T R E N D I N G N O W

AEROSPACE AND ENGINEERING SCIENCES

Creating Next-Generation Employees for the
Digital to Hardware Manufacturing Industry



With the innovative curriculum and synergy that the new Aerospace and Engineering Sciences building will foster, MSU Denver will be Colorado's source for aerospace and engineering sciences professionals.

THE AEROSPACE AND ENGINEERING SCIENCES BUILDING

ADDITIVE
MANUFACTURING
AEROSPACE
DIGITAL
MANUFACTURING
COMPUTER-AIDED
DESIGN AND
MANUFACTURING
COMPOSITES AND
ADVANCE
MATERIALS
CYBERSECURITY

An innovative approach to advanced manufacturing education in a vanguard, state-of-the-art MSU Denver facility, opening summer 2017, and integrating:

- Aerospace Science
- Industrial Design
- Civil, Mechanical, and Electrical Engineering Technology
- Computer Science and Computer Information Systems

A dynamic learning space that integrates product with collaborative design and research

Coordinated disciplines providing advanced technology opportunities and experiential laboratories

Highly skilled workforce-ready graduates meeting the needs of advanced manufacturing in Colorado

COLLABORATION

between
advanced
manufacturing
disciplines

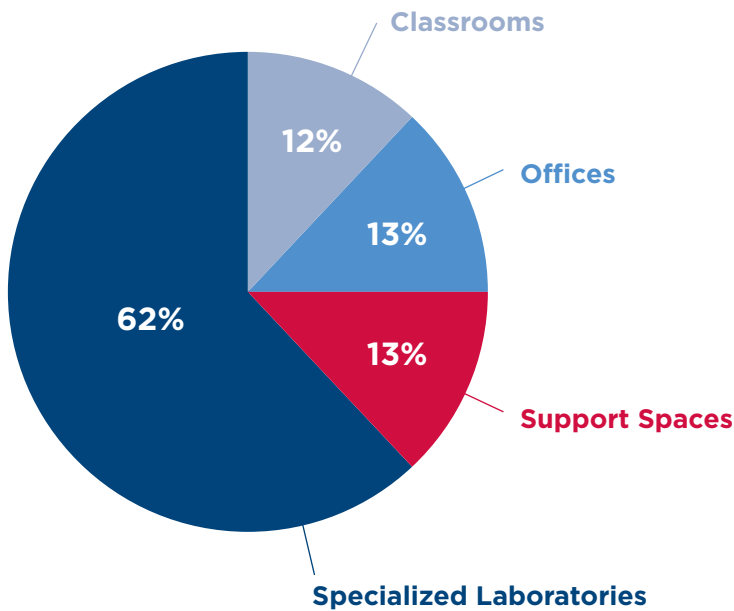


CREATION

of a globally competitive,
highly skilled aerospace
and advanced
manufacturing workforce
in Colorado

MSU DENVER PROPOSED AEROSPACE AND ENGINEERING SCIENCES BUILDING DETAILS

142,000
gross square feet



MSU DENVER'S ADVANCED MANUFACTURING AND STEM PROGRAMS

MSU Denver has been preparing students to become part of Colorado's urban workforce for 50 years. With the innovative curriculum and synergy that the new building will foster, MSU Denver will be Colorado's source for aerospace and engineering sciences professionals.

- More than 36 percent of MSU Denver's students are studying STEM disciplines. Of those, more than 1,900 are students of color.
- 75 percent of our more than 85,000 graduates stay in Colorado, contributing to the state's economy.
- Practical research: Every semester, students from the Intro to Space class launch individually designed, high-altitude experiments in a helium balloon 20 miles into the atmosphere, equipped with a small data capturing device and camera.
- MSU Denver is consistently ranked as one of the best Colorado colleges for veterans by the Military Times.
- MSU Denver's student team took first place in NASA's 2012 Colorado Space Grant Consortium robotics challenge.
- In 2013, MSU Denver and a consortium of eight Colorado community colleges received a \$24.9 million federal grant to develop a training pipeline of skilled manufacturing workers. MSU Denver's share of the grant is \$1.9 million.

FUNDING SOURCES



- 20 MILLION** from MSU Denver's existing capital construction student fee
- 20 MILLION** from the state
- 20 MILLION** from the private sector



DOWNTOWN

Location on the southeast corner of 7th Street and Auraria Parkway in downtown Denver

"This MSU Denver program will build the infrastructure in the Front Range to support the aerospace industry's needs."

Bob Geoffroy
Business Development Manager
Davis Manufacturing Co.

"While the aerospace industry needs to expand its pipeline of qualified STEM students, we want to broaden our workforce to include women and men from a vast array of backgrounds and life experiences. MSU Denver provides us with the most diverse student population within Colorado."

Vicky Lea
Aviation and Aerospace Industry Manager
Metro Denver Economic Development Corp.



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