The quality of education offered by Weber State University’s College of Engineering, Applied Science & Technology (or EAST)

The future of science, technology, engineering and mathematics education in Utah

The growth and vitality of Utah’s economy
OBJECTIVE

- Secure $39.9 million in state funding for a $49.9 million project
- Significant gift from the Ray and Tye Noorda Foundation
- Demolish Technical Education Building (TE)/Build Noorda Engineering and Applied Science Building in same location on Ogden campus
Demolish Tech-Ed/Build Noorda Engineering and Applied Science Building on Ogden campus

Build Computer and Automotive Engineering Building at WSU Davis (non-state funded)

Renovate Engineering Technology Building on Ogden campus (capital improvement funds)
The Noorda Building Project:

- Expands affordable student participation
- Facilitates timely completion of STEM courses
- Promotes innovative discovery
- Improves campus safety
- Provides state-of-the-art learning environment
- Accommodates surging enrollment
- Increases graduation rates
- Fulfills industry demands
- Capitalizes on community support
The Project Will Solve Existing Infrastructure Deficits and Spatial Constraints
Awkwardly shaped like a “U”
UNSAFE

Does not meet current fire and life-safety codes
Noncompliant with ADA requirements
Outdated facility does not reflect current gender diversity
NOTICE:
The Automotive Shops, parking lots, and offices at WSR are monitored 24 hours per day by 32 high-resolution, color, motion-sensing, night-vision cameras. All events are recorded. Any suspicious activities will be reported to law enforcement. We will prosecute all violators to the fullest extent of the law.
Energy-deficient windows
Eroding steel window frames
Decaying building seals
Poor HVAC

Frequent flooding
Inadequate space
EAST boasts the largest share of degree growth for Utah’s computer science and engineering programs since 2014
Number of declared majors in EAST is increasing

67% INCREASE
Computer Science

138% INCREASE

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<th>Year</th>
<th>Count</th>
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<td>2016</td>
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186 majors & 99 graduates for program that began in 2010
Portable classrooms
Faculty offices are converted closets and storage rooms.
The Project Will Enhance Academic Programs and Educational Experiences

- An estimated 40,000 additional square feet
- Classrooms
- Laboratories
- Faculty & staff offices
- Spaces for individual/group study and collaboration
The Project Will Reduce Operating Costs and Support Sustainability Efforts

- Reduce carbon footprint
- Allow for alternative capital investment opportunities
- Eliminate needless rental expenses
- Use innovative, sustainable designs and construction technology
- Maximize existing utility infrastructure
The Project is Time-Sensitive, Has Community Support, Fulfills Industry Needs and Expands Partnerships
EAST listens to and responds to changing industry needs:

Highly technical missions include:
- F-35 fighter jets
- Intercontinental ballistic missiles (ICBM)

Orbital ATK
(leader in aerospace and defense technologies)
- Eight Utah locations including:
  - HAFB: Propulsion systems
  - Freeport Center (Clearfield): Component refurbishment center
  - Clearfield: Aerospace structures

Hill Air Force Base

Northrop Grumman
(global security company)
- Layton: Aircraft manufacturing
- Clearfield: Engineering

BAE Systems
Principal contractor for sustainment of Minuteman III ICBMs at HAFB

Boeing
(multinational corporation designs and manufactures commercial jets, and defense, space and security systems)
- Ogden: Aircraft manufacturing
- Layton: Engineering
Introducing Scott Nowlin

• GBSD ISC Modeling, Simulation and Analysis Manager at BAE Systems Inc.

• Former Deputy Director, Engineering and Technical Management at Hill Air Force Base
The Project Will Support Regional Economic Development
Project will improve timely completion of degrees and certificates

- Computer engineering master’s degree
- 2 + 2 degrees
- NUAMES
Ranked #1 out of 143 high schools in the Utah Accountability System.
- Accelerated STEM workforce pipeline.
- Agreement to fund $7.5 million (15% of project)
- Committed to guiding underrepresented students into STEM programs.
EAST Outreach Programs impact more than 6,000 Utah public school students
Parent/Daughter Engineering Day
FIRST LEGO League Jr.
FIRST LEGO Tech Challenge
We owe students a building that is worthy of their dreams.