



EASTERN
MICHIGAN UNIVERSITY

POINTS OF PRIDE

127,205

of EMU alumni who live in Michigan

17,700+

EMU students (undergraduate and graduate)

87%

of EMU students who are from Michigan

22%

EMU students who are "first-generation"

#1

National rank of EMU's Student Center according to CollegeRank.net

#3

Ranked the top "Military Friendly" university in Michigan and the 3rd highest ranked "Military Friendly" university in the nation

#1

Clinical Research Administration is ranked seventh in the nation in a list of "Best Master's in Clinical Research Programs for 2019"

52%

EMU students receive Pell Grants

89%

EMU recent graduates who report being employed 6-12 months after graduation

Top 25

Ranked in the top 25 nationally for services to students on the Autism Spectrum

#1

Number one master's educational psychology program in Michigan

#1

Recognized as Michigan's top LGBTQ-friendly university; national website cites exceptional support offered to students



Fact Sheet

Founded in 1849, Eastern Michigan University is extraordinarily practical, supportive, accessible, and affordable with a quality learning and living environment.

- Second oldest University in Michigan.
- Student enrollment of **17,784** in five colleges: Arts and Sciences, Business, Education, Health and Human Services, and Technology, and the Graduate School.
- More than **300 majors, minors and concentrations**, including new bachelor's degrees in Civil Engineering, Quantitative Economics, Neuroscience; new master's degree in Finance; and new doctoral degree in Nursing Practice.
- Nearly **1,000 international students** come from 84 countries, and some are featured on banners and in videos supporting the **#YouAreWelcomeHere** campaign.
- More than **\$52 million** in university-sponsored financial aid approved for 2019-20
- More than **179,694 alumni**, of which 71% percent live and work in Michigan, supporting the state's economy.
- EMU's innovative, new **55-ton cogeneration unit** will supply approximately 98 percent of the heat and 93 percent of the electricity to EMU's 800-acre campus, saving more than **\$50,000 per week** or **\$2.8 million** per year.
- EMU, Saint Joseph Mercy Health System and IHA have opened a **new health center** on EMU's campus to serve both the campus population and nearby community.
- National recognition includes
 - Named one of the **Best Midwestern Colleges** for 17 consecutive years and one of the nation's **Best Business Schools** for 16 consecutive years by *The Princeton Review*
 - EMU's Master's Program in Clinical Research Administration ranks 7th in the nation
 - Specialized MBA in International Business ranks among nation's best in terms of global emphasis
 - Ranked **number three in the nation and highest in Michigan** as "Military Friendly"
- EMU Athletics has produced **15 national team championships, 55 individual national champions, 150 MAC championships**, and has had a track representative at every summer **Olympics** since Hayes Jones in 1960.



Community College Transfer Agreements

Eastern Michigan University is a leader in community college partnerships and supporting the graduation of transfer students.

EMU has 150 articulation agreements with 22 different community colleges spanning dozens of fields. This is the largest number of agreements of any university in the state.

Of those agreements,

- 140 are academic program agreements, including 3 nursing agreements
- 10 are reverse transfer agreements (which outline the process for a student who transferred to Eastern from a community college to earn an associate's degree from the community college based on additional coursework taken at EMU)
- EMU just signed a statewide transfer agreement, MiTransfer Pathways that has EMU articulating credit in Business, Criminology and Criminal Justice, Biology and Psychology program, with all 28-community colleges in the state of Michigan.

EMU's top community college partners are

- Washtenaw Community College (34 agreements)
- Henry Ford College (26 agreements)
- Macomb Community College (12 agreements)
- Schoolcraft College (21 agreements)
- Monroe Community College (18 agreements)
- Oakland Community College (10 agreements)
- Wayne County Community College District (7 agreements)
- Jackson Community College (8 agreements)
- Eastern Michigan University also has articulation agreements with community colleges in Ohio, which helps attract out-of-state students to our state

A full list of EMU's articulation agreements is available on the articulation agreements page of EMU's website: <http://www.emich.edu/ccr/articulation-agreements/guides/index.php>



Engineering & Technology Complex – Phase 2: Roosevelt Hall

The project: EMU seeks to renovate (75,000+ sf.) and slightly expand (10,000+ sf.) of historic Roosevelt Hall, which was built in 1924 and was last renovated in 1972. Roosevelt Hall constitutes Phase 2 of EMU's innovative Engineering & Technology Complex project. Phase 1, the renovation and expansion of Sill Hall, is underway and self-funded by EMU to upgrade and expand EMU's growing engineering programs.



Technology programs: EMU's request will allow the University to upgrade and expand high-demand technology programs housed in Roosevelt Hall, including:

- Cyber Security
- Information Assurance
- Drone and Aviation Studies
- Military Science & Leadership (including ROTC)
- Engineering Laboratories and Research



Creating jobs: EMU's request focuses on expanding programs to train students for high-demand jobs demanded by Michigan employers.



Michigan: Investing in EMU is investing in Michigan families: Nearly 90% of EMU students come from Michigan, and nearly 80% of EMU graduates stay in Michigan.



Mature campus: EMU was founded in 1849 and is Michigan's second-oldest public university. Our "mature" infrastructure therefore requires more investment than other institutions.



High scores: DTMB scored EMU's FY19 and FY20 capital outlay proposals #3 among public universities. Nonetheless, EMU was not funded – even as other institutions with lower scores received funding. The DTMB scored EMU's FY21 proposal #5 among public universities.



Historical funding: Since 1992, EMU ranks 11 out of 15 for historical capital outlay awards and the number of capital outlay projects, and ranks dead last among peer institutions (see reverse)



Cutting costs: EMU has been a statewide leader in reducing costs. EMU has eliminated or avoided \$25 million in expenses since FY16. Not surprisingly, EMU consistently scores well on the State's performance metric that measures administrative overhead.



Partnerships: EMU is also a statewide leader in ensuring seamless and affordable opportunities for Michigan students. EMU has by far the most community college articulation agreements – 150 in total – among all public universities. These agreements provide students a clear roadmap to transfer their community college credits to EMU.



Student opportunity: EMU is an "institution of opportunity."

- Over 40% of EMU undergraduate students receive Pell Grants.
- Approx. ¼ of EMU students are first-generation.
- EMU has the most diverse student body in the State of Michigan.
- EMU ranks as the #3 "military friendly" large public university in the nation.

(over)

Eastern Michigan University
College of Engineering and Technology

State Capital Outlay Request FY 2021
Roosevelt Hall Renovations
Engineering and Technology Complex – Phase II



Engineering and Technology Complex

The Purpose:

- Large need for engineering and advanced technology graduates in Michigan
- Current programs and capabilities of ALL Michigan universities cannot fill the need
- Continued increase in enrollment in EMU engineering and technology programs

Engineering and Technology Complex

Meeting the market demands: (% increase through 2026)

- Civil Engineering: **16.8%**
- Industrial Engineers: **18.2%**
- Software Developers: **31.0%**
- Information Assurance/Computing: **15.2%**
- Construction Management: **9.9%**
- Aviation: **6%**

Engineering needs in Michigan

| Search for jobs on Indeed.com on 21 Jan 2020 | | |
|---|-------------------|-------------|
| Last 30+ days | Detroit (25miles) | Michigan |
| Mechanical | 587 | 1197 |
| Industrial* | 298 | 678 |
| Manufacturing** | 1033 | 2391 |
| Electrical | 656 | 1300 |
| Computer *** | 1462 | 2772 |
| Civil/Construction/Env | 682 | 1651 |
| Chemical | 208 | 363 |

* Often ME student qualify

** PDET and MET students qualify for most

*** IA, CS students qualify for many

Engineering and Technology Complex

Economic benefit to Michigan:

- Nearly 90% of EMU College of Engineering and Technology students are from Michigan
- Nearly 80% of EMU College of Engineering and Technology graduates STAY and work in Michigan
- EMU College of Engineering and Technology graduates fill needed STEM vacancies in the job market



Engineering and Technology Complex

Economic benefit to Michigan:

- Engineering and Technology graduates have a higher employment rate, with higher starting salaries
- Typical salaries exceed \$100K in 5-10 years
- Filling the employment gap from within the state

Engineering and Technology Complex

Why Eastern Michigan?

- Market needs align with current and new programs enhancing utilization of existing faculty and equipment
- Unique offerings: EMU houses one of only FIVE cyber-ranges in the country partnering with the National Security Agency (NSA) and the Department of Homeland Security (DHS)

Engineering and Technology Complex

EMU and State of Michigan Investments

- Eastern Michigan has placed “First dollars in” with the \$40M renovation of Sill Hall
- Continuation of over \$175M in State and EMU investment into STEM facilities (\$145M in EMU funds)
- Nearly 45% of EMU debt is associated with STEM investments

Engineering and Technology Complex

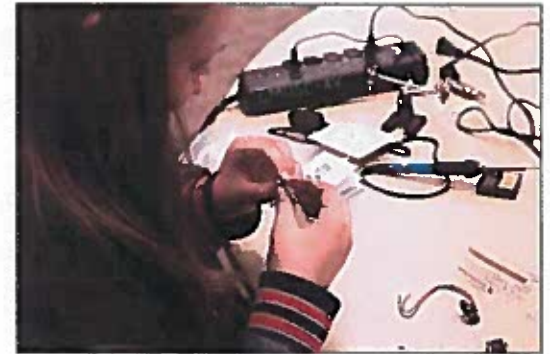
Enhancing our Academic Core:

- Expansion of engineering programs (Civil, Mechanical, and Electrical and Computer Engineering) in last three years
- Meet growth demands for Information Assurance and Cybersecurity programs (25% increase in enrollment)
- Provide advanced technologies for growth and enhancement of aviation and drone activities

Engineering and Technology Complex

Enhancing our local and state impact:

- Increase community interaction (Digital Divas, Digital Dudes)
- Increase private/public business interaction (Ford Motor Company, Fanuc Robotics, AT&T)
- Increase research and innovation capabilities



Engineering and Technology Complex

Aligning Facilities and Programs:

- Creation of advanced laboratories, innovation and collaboration suites
- Enhancement of the EMU Engineering and Technology Complex
- Improved student/faculty and community accessibility



Engineering and Technology Complex

- Conceptual Plans (multi-phase implementation)
- Renovate existing spaces
- Create new spaces for:
 - Dedicated cybersecurity network and infrastructure
 - Aviation simulation suite
 - Indoor drone flight center
 - Military Science training and education
 - Expansion of engineering laboratories and research facilities

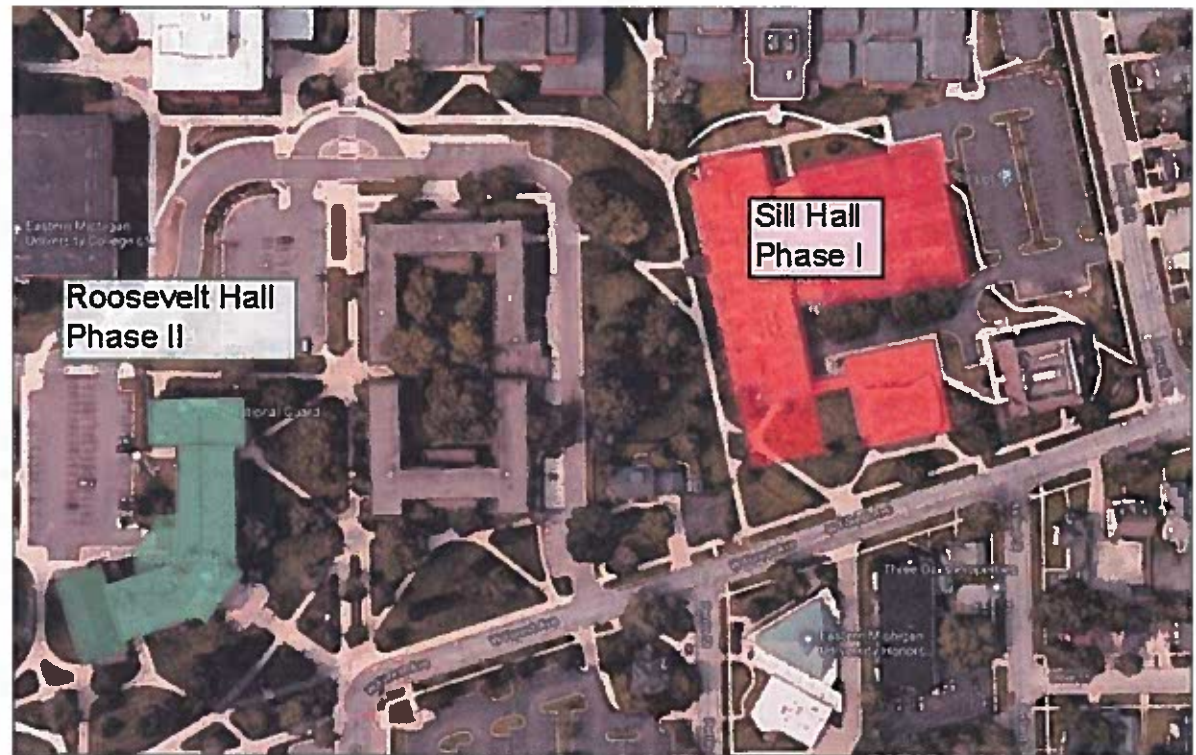
Engineering and Technology Complex

PHASE I:

Sill Hall Renovations
Opening Fall 2020 (\$40M)
EMU Funded

PHASE II:

Roosevelt Hall Renovations
State Capital Outlay
Request (\$42.5M)



Engineering and Technology Complex

Phase I:
Sill Hall Renovation
\$40M
(EMU funded)

Opening Fall 2020



CONCEPTUAL RENDERING

5
105

Engineering and Technology Complex

Phase II:

**Roosevelt Hall
Renovations**

\$42.5M

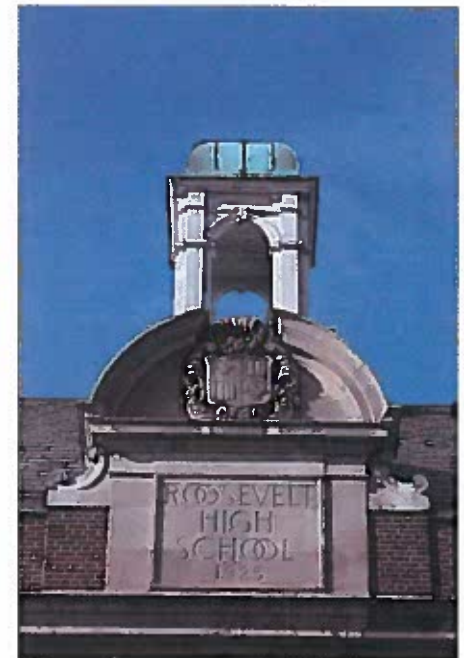
**(State Capital Outlay
Request FY2021)**



Engineering and Technology Complex

Roosevelt Hall Renovations

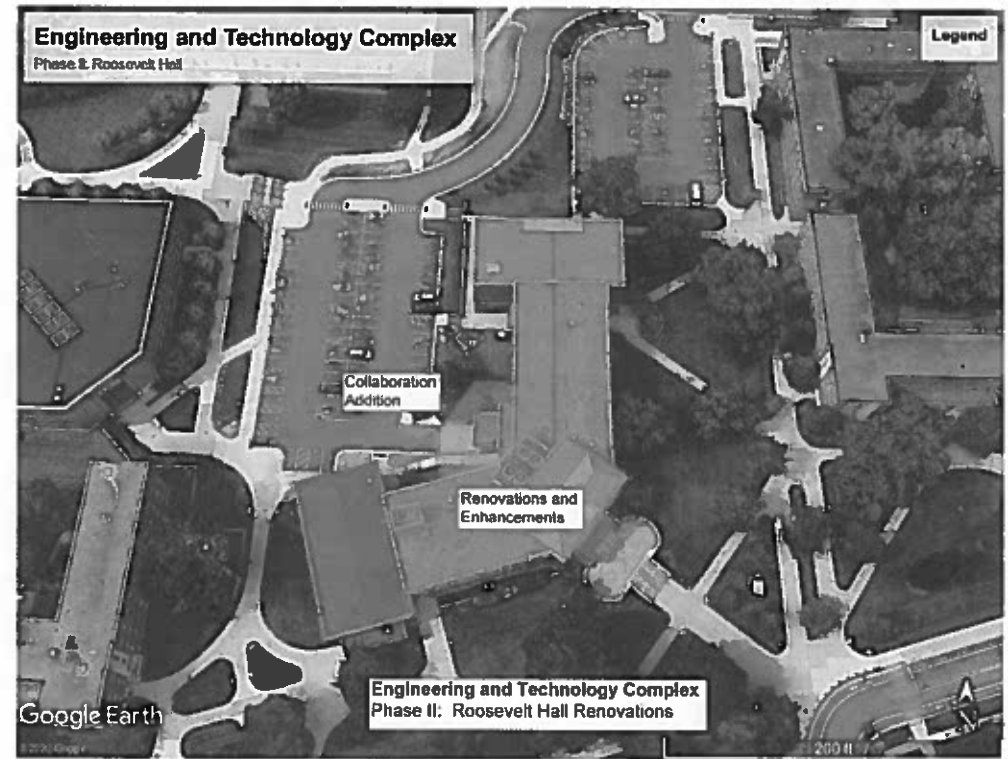
- Repurpose former Roosevelt High School, last renovated in 1972
- Create new advanced Engineering and Technology lab spaces
- New spaces for student-faculty and student-student collaboration
- “Hands-on” laboratory and research space
- Innovation labs - business/community/student



Engineering and Technology Complex

Roosevelt Hall Renovations

- Increase space efficiency
- Replace failing building systems
- New life safety systems
- Increased sustainability



Engineering and Technology Complex

Roosevelt Hall Renovations

- \$42.5M State Capital Outlay request for FY2021
- Ranked 5th in university State Capital Outlay request scoring
- Eastern Michigan has had the fewest capital outlay requests approved and funded among Michigan public universities (4)

Engineering and Technology Complex

*What does funding
EMU's request mean?*

- **JOBS**
- **JOBS**
- **JOBS!**



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