



HOUSE of REPRESENTATIVES

STATE OF MICHIGAN

Appropriations Requests for Legislatively Directed Spending Items

1. The sponsoring representative's first name:
Joseph
2. The sponsoring representative's last name:
Pavlov
3. The cosponsoring representatives' names. All cosponsors must be listed. If none, please type 'n/a.' A signed letter from the sponsor approving the co-sponsorship and a signed letter from the member wishing to co-sponsor are required. Attach letters at question #9 below.
n/a
4. Name of the entity that the spending item is intended for:
St. Clair County Community College
5. Physical address of the entity that the spending item is intended for:
323 Erie Street, Port Huron, MI 48060
6. If there is not a specific recipient, the intended location of the project or activity:
n/a
7. Name of the representative and the district number where the legislatively directed spending item is located:
Joseph G. Pavlov, District 64
8. Purpose of the legislatively directed spending item. Please include how it provides a public benefit and why it is an appropriate use of taxpayer funding. Please also demonstrate that the item does not violate Article IV, S 30 of the Michigan Constitution.
St. Clair County Community College (SC4) is requesting \$1,950,000 in funding to modernize its Applied Technology Center through the Precision Manufacturing Training Center Optimization Project. This project will support the purchase of six complete sets of high-demand, industry-standard precision machining equipment, including VF-2 Haas vertical mills, UMC-750 Haas mills, ST-10 Haas lathes, 72CFM high-performance industrial screw air compressors, and 3D printers—each with full tooling packages. These sets will be distributed across instructional bays to allow for increased student

access, small group training, and scalable instructional delivery. SC4 will match this investment with \$450,000 in infrastructure improvements, software updates, and in-kind staffing to ensure the equipment is integrated seamlessly into teaching and lab environments. The upgraded equipment will simulate modern manufacturing environments, giving students real-world experience on the exact machinery used in high-tech industries today.

This investment provides a direct and measurable benefit to the state of Michigan by expanding workforce development. Students will graduate with in-demand certifications and practical experience aligned with career opportunities in advanced manufacturing sectors such as aerospace, medical devices, and automotive. The project supports a sustainable, high-wage talent pipeline for Michigan employers while ensuring compliance with Article IV, Section 30 of the Michigan Constitution, as all funds are used solely by SC4, a public institution, for public educational purposes. This initiative strengthens Michigan's economy, supports technical innovation, and positions the state as a continued leader in manufacturing excellence.

9. Attach documents here if needed:

Attachments added to the end of this file.

10. The amount of state funding requested for the legislatively directed spending item.

1950000

11. Has the legislatively directed spending item previously received any of the following types of funding? Check all that apply.

["None"]

12. Please select one of the following groups that describes the entity requesting the legislatively directed spending item:

University/College

13. For a non-profit organization, has the organization been operating within Michigan for the preceding 36 months?

Not applicable

14. For a non-profit organization, has the entity had a physical office within Michigan for the preceding 12 months?

Not applicable

15. For a non-profit organization, does the organization have a board of directors?

Not applicable

16. For a non-profit organization, list all the active members on the organization's board of directors and any other officers. If this question is not applicable, please type 'n/a.'

n/a

17. "I certify that neither the sponsoring representative nor the sponsoring representative's staff or immediate family has a direct or indirect pecuniary interest in the legislatively directed spending item."

Yes, this is correct

18. Anticipated start and end dates for the legislatively directed spending item:

Start is immediately upon receipt of funds with end 12 months after start

19. "I hereby certify that all information provided in this request is true and accurate."

Yes

SC4 Precision Manufacturing Training Center Optimization Project

March 2025

Executive Summary

To meet the increasing manufacturing needs of U.S. businesses, St. Clair County Community College trains technicians in precision machining. To properly prepare students for a career in manufacturing, SC4 employs faculty and staff who are knowledgeable in their fields, train students on industry-standard machinery and has seamless pathways from high school programs to the college. Students who seek engineering technology skillsets, certifications, and degrees are instructed in SC4's Applied Technology Center, where they are trained on the same equipment they will encounter in the workplace under the supervision of an instructor. SC4 offers technical degrees in mechatronics, electronics, engineering, welding, and precision machining. The college is requesting funding to upgrade the SC4 Applied Technology Center to meet the needs for precision machining instruction more effectively. Funds for this project will expand on efforts to support essential manufacturing equipment. This project will improve hands-on training for the Precision Machining program, support enhancement and alignment efforts, and acquire needed production benches, tool cribs, and ancillary support equipment.

Supporting Data

Students who attend SC4 are set up for success in precision machining due to their SC4 education and unique geographic location. SC4's location in the Blue Water area and, more generally, in the state of Michigan gives students a high chance of being hired for their skills. According to the Bureau of Labor Statistics, in 2023, Michigan had a higher employment level, concentration of jobs, and location quotients of machinists than any other state in the country. Additionally, the second-highest employment level of any metropolitan area was the Detroit-Warren-Dearborn area, located within one hour of SC4. In addition, Jackson, Niles-Benton Harbor, Muskegon, and Saginaw, Michigan, were all ranked among the top seven national metropolitan areas with the highest concentrations of machinist jobs and location quotients. Additionally, the Workforce Intelligence Network reported that in 2023, there were a total of 631 jobs posted for the skilled trades and technicians occupation group in St. Clair County. According to these statistics, machinists who graduate from SC4 are more likely to be hired for their skills in the state of Michigan, specifically the area surrounding SC4, than anywhere else in the United States.

Those with a degree in precision machining make sustainable incomes. In 2023, the mean salary for a machinist was \$50,840 with lowest 10% earning an annual salary of \$36,690, and the highest 10% earning \$75,820.

Precision manufacturing is in demand to produce high-quality small tolerance parts and components. The demand is across industries such as aerospace, medical devices, and

automotive. In a Manufacturing Tomorrow opinion article by Business Development Manager Julia Seredovich titled “IoT in Manufacturing: Advanced Precision as a Promising Trend for 2025,” Seredovich says, “Precision manufacturing systems are high-tech and resource intensive. While they already face stringent requirements, increasing competition will drive those standards even higher.”

Complementary Efforts to Support Success

SC4 uses Career Coach to assist students with choosing a career based on interests and job prospects. Career coach lists sixty-seven job postings annually for CNC Technicians in the SC4 region according to lightcastec.com. This allows SC4 students to engage with the opportunities afforded by the college’s location.

SC4 partners with RESA (Regional Educational Service Agency) to align manufacturing courses to benefit students. Students in manufacturing graduating from RESA, at the same time as high school graduation, will be able to seamlessly continue manufacturing studies at the college through utilization of the same learning platform (Titan) and manufacturing equipment (Haas).

SC4 has an Applied Technology Center with a conducive layout for teaching skilled trades. Classrooms for precision machining consist of a manufacturing and production bay to facilitate lecture-to-laboratory training. The facility is in need of upgrades for electrical to support machining and would benefit from production benches, tool cribs, flooring, and ancillary support facilities.

The primary need for funding is for manufacturing equipment. SC4 will contribute funding to support infrastructure and provide in-kind staffing support to manage the project.

Funding Request

Equipment needs specifically are for:

- VF-2 Haas Mill plus tooling package
- UMC 750 Haas Mill plus tooling package
- ST-10 Haas Lathe plus tooling package
- 72CFM HP Industrial Screw Air Compressor
- 3D Printer

The total funding request is for \$1,950,000 for 6 sets of the above equipment list.

SC4 will match the equipment purchase with \$450,000 for infrastructure support and software. SC4 will also pay for rigging to support the purchase of equipment.

St. Clair County Community College, 323 Erie Street, Port Huron MI 48060

Contact: Sarah Rutallie, srutallie@sc4.edu



PRECISION MANUFACTURING TRAINING CENTER OPTIMIZATION PROJECT

EXECUTIVE SUMMARY

To meet the demand for manufactured parts for businesses, St. Clair County Community College trains technicians in precision machining. To properly prepare students for a career in manufacturing, SC4 employs faculty and staff who are knowledgeable in their fields and train on machinery. The college requests funding to upgrade the SC4 Applied Technology Center to meet the needs for hands-on precision machining instruction. Funds for this project will expand on efforts to support essential manufacturing equipment.

PURPOSE:

Upgrade SC4's Applied Technology Center with new equipment.

VISION:

Implement facility and equipment upgrades to increase opportunity and capacity for the SC4 Precision Machining Program

PROJECT BREAKDOWN

Total Cost: \$1,950,000

Equipment

- Six Sets of the following:
 - VF-2 Haas Mill plus tooling package
 - UMC 750 Haas Mill plus tooling package
 - ST-10 Haas Lathe plus tooling package
 - 72CFM HP Industrial Screw Air Compressor
 - 3D Printer

SC4 Match: \$450,000

- Infrastructure support
- Software support
- Rigging to support purchased equipment

SUPPORTING DATA

In 2023, the U.S. Bureau of Labor Statistics found that:

- Michigan had the highest employment level, concentration of jobs, and location quotients of machinists than any other state in the country.
- Detroit-Warren-Dearborn had the second-highest employment level of machinists in any metropolitan area.
- Employment projection is stable over the next 10 years
- The Mean Wage of machinists was \$50,840
- Additionally, the Workforce Intelligence Network reported in 2023 there were a total of 631 jobs posted for the skilled trades and technicians occupation group in St. Clair County.

MARCH 2025

SC4

SC4.EDU

(810) 984-3881

**323 ERIE ST.
P.O. BOX 5015
PORT HURON,
MI
48061**