Lansing Community College
Board of Trustees

(Part 2 of 2)

Regular Meeting
September 15, 2025
6:00 p.m.

Lansing Community College – Board of Trustees
September 15, 2025

Agenda Item: 2025 Five-Year Capital Outlay Plan and Capital Outlay Project Request

Presented for Information

PURPOSE

To present the Lansing Community College Board of Trustees with the pending submission of the 2025 Five-Year Capital Outlay Plan and Capital Outlay Project Request (COPR) for a new Energy and Utility Training Center on the West Campus. This is being presented as a first read, and a request for action will be submitted for the October 27, 2025, Board meeting.

BACKGROUND

The State Budget Office requires Michigan universities and community colleges to submit an updated Five-Year Capital Outlay Plan annually that has been approved by the institution's governing body. Community Colleges may also submit one COPR annually, seeking up to 50% in matching funds from the State. The deadline for these submissions is October 31, 2025.

IMPLICATIONS

Financial:
The financial commitment to implement the Five-Year Capital Outlay Plan includes $3,500,000 in annual maintenance and renovation (M&R) Funds to facilitate the ongoing maintenance and repairs of the college's facilities and infrastructure. The COPR for the new Energy and Utility Training Center is estimated to cost $8.85 million. Should the project be funded by the State, the college will need to identify $4,425,000 in 50% matching funds.

Strategic Plan:
N/A

Human Resources:
N/A

RISKS

Failure to submit a Five-Year Capital Outlay Plan to the State of Michigan's State Budget Office would put the college out of compliance with the Management and Budget Act, Public Act 431 of 1984, as amended.

OTHER OPTIONS/ALTERNATIVES

N/A

RECOMMENDATIONS

The administration respectfully requests that the Board approve the 2025 Five-Year Capital Outlay Plan and the Capital Outlay Project Request at the October Board meeting.

ATTACHMENT: (Enclosed Separately)

1. 2025 Five-Year Capital Outlay Plan
2. 2025 Capital Outlay Project Request

LANSING COMMUNITY COLLEGE

Five Year Capital Outlay Plan

First Read - SEPTEMBER 2025

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Executive Summary

Lansing Community College Five-Year Capital Outlay Plan
Executive Summary

Lansing Community College (LCC) is a major urban community college situated on 48 acres in a nine-city block area in downtown Lansing, Michigan. LCC was founded in 1957 by the Lansing Public School system, with eight faculty members and 425 students. It was housed initially in what had once been the Central High School building and offered instruction in technology and practical nursing in addition to apprenticeship programs. Through private purchase and urban renewal funds, the College not only acquired many buildings that would eventually make up the College's current downtown campus but also led the way in developing North Washington Square and contributing to revitalizing downtown Lansing.

West Campus, located in Delta Township, houses the Technical Careers Division and the Business and Community Institute. The 290,536-square-foot facility, completed in 2004, houses many academic programs and labs, faculty offices, a computer lab, a Grab-and-Go Cafe, a fitness center, a resource center, and offices for student services.

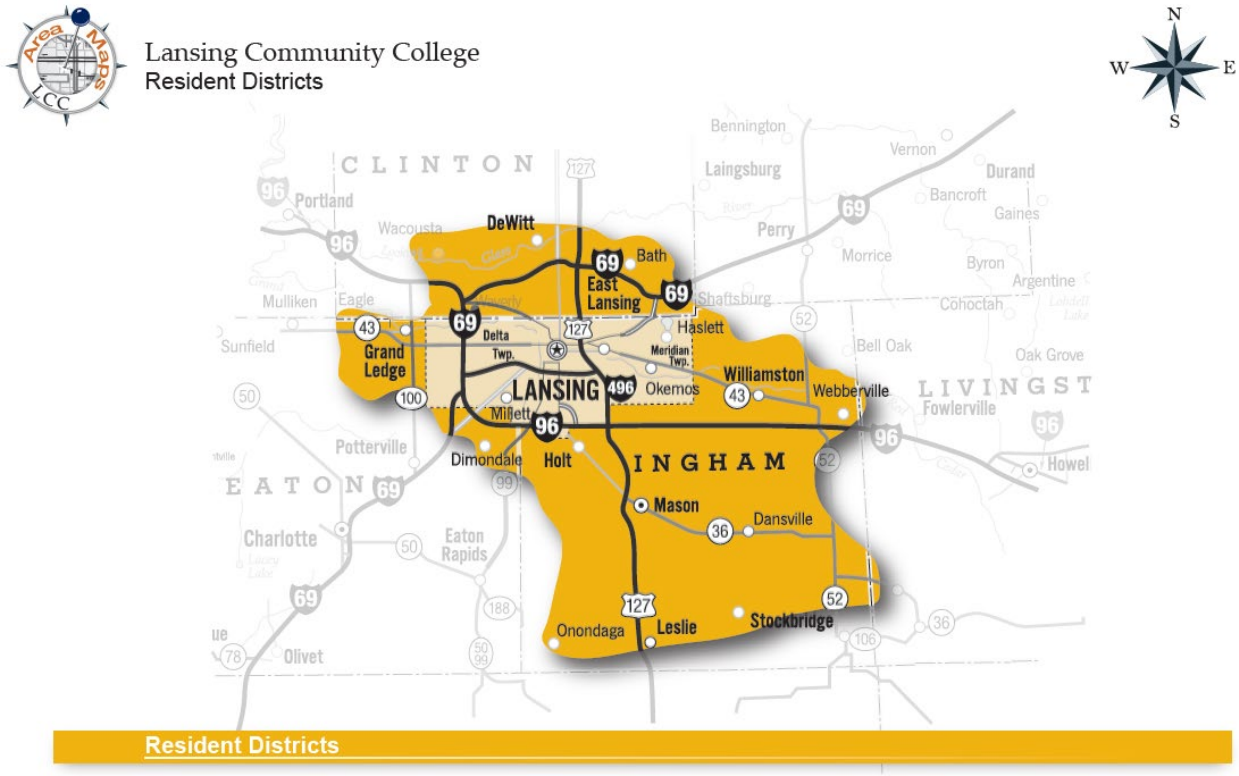
The College currently enrolls a headcount of 13,000 students yearly and has over 650 full-time staff and more than 1,000 part-time staff and faculty. The College offers classes year-round in a three-semester curriculum. The College offers over 200 degree and certificate programs and over 1,000 courses to match career and workforce development pursuits, transfer curricula, and developmental or special interest needs. Courses are offered in one of three academic divisions: Arts and Sciences, Health and Human Services, and Technical Careers. In addition, the Community Education and Workforce Development division provides community and continuing education and includes the College's Business & Community Institute (BCI), which provides customized training directly to regional businesses and manufacturers.

In addition to the Downtown Campus and West Campus, the College operates the East Campus in East Lansing and the Aviation Maintenance Center at the Mason-Jewett Airport in Mason.

CAMPUS MASTER PLANNING

In July 2023, LCC embarked on its next Campus Master Plan (CMP), partnering with Colliers Engineering & Design (previously Bergmann Architects, Engineers, & Planners) and JMZ Architects & Planners. The CMP was developed in alignment with the Strategic Plan, Academic Master Plan, and Federal Agenda. It was approved by LCC's Board of Trustees in November 2024.

Figure 1-1: Lansing Community College Resident Districts



Mission Statement
&
Strategic Plan
2025-2027

Vision

Serving the needs of our diverse community through relevant educational and training opportunities.

Mission

Lansing Community College provides accessible, high-quality education through relevant and innovative instructional methods to equip and empower a diverse community of learners to complete their educational goals while becoming engaged global citizens.

Motto

Where Success Begins

Goal 1: Achieving Academic Excellence with Purpose & Equity

- Strategy 1: Enhancing Learning through Ongoing Innovative Teaching Methods

  To elevate the student academic journey, we prioritize the integration of the most effective teaching methodologies and a range of educational modalities. This approach is designed to improve learning outcomes and facilitate the achievement of personal and professional goals by our students. We are committed to continuous improvement and adaptability in teaching strategies to meet the evolving needs of our diverse student population.

  - Key Objectives

    - Support for faculty excellence

      Recognizing the pivotal role of faculty in student success, we provide comprehensive support to all teaching staff, including adjunct professors. This will encompass professional development opportunities, resources for innovative teaching, strategies to address challenges in areas with historically lower success rates and guidance on developing empowering classrooms through diversity, equity, inclusion, and belonging.

    - Adoption of innovative teaching techniques

      We will continuously seek out and apply the most effective teaching practices known to boost student learning and engagement. This involves the traditional classroom settings as well as online and hybrid models, ensuring that every student has access to the best possible educational experience.

        - Data-informed decision making

          Utilizing robust data analytics, we will closely monitor academic outcomes to make informed decisions that promote academic success within a diverse community. Enhancing data literacy across the institution will be a priority, enabling a culture where decisions are guided by evidence and focused on student achievement.

- Strategy 2: Ensuring High-Quality Academic Offerings

  We are committed to ensuring that our academic offerings are of the highest quality and aligned with the evolving demands of the labor market. To achieve this, we will continue to implement the existing program review processes that are deeply informed by labor market data and employer insights. This strategic alignment will ensure that our programs are responsive to current and future workforce needs, thereby enhancing the relevance and impact of our students' academic endeavors.

    - Key Objectives

        - Labor Market Alignment

          We leverage labor market data and employer insights into program development to ensure that our offerings are closely aligned with industry trends and demands within a global setting. This approach will involve an ongoing analysis of labor market data to adapt and evolve program content, structure, and learning outcomes, ensuring our graduates are well-equipped to meet the needs of employers and the current work environment.

        - Dynamic Program Delivery

          We will adopt a flexible approach to program delivery, considering factors such as location and modality to maximize accessibility. This may include expanding satellite campus offerings and exploring varied instructional methods (in-person, online, hybrid and hyflex) to cater to the diverse needs of our student population.

- Strategy 3: Enhancing Equity and Support to Empower Student Academic Success

  We recognize that true success extends beyond the classroom. To maximize the impact of our teaching and learning, we are dedicated to identifying and dismantling barriers that hinder student success, empowering them for a brighter future. Our commitment to equity involves not only enhancing academic support but also ensuring that all students have the resources and assistance they need to excel personally.

- Key Objectives

  - Advancing Equity

    Central to our strategy is the commitment to advancing equity in all aspects of the academic experience. We will implement procedures and practices designed to ensure all students, regardless of background or circumstance, have equal opportunities to succeed and feel empowered to do so. This encompasses everything from admissions and financial aid to program design and student services.

  - Proactive Barrier Removal

    We will employ a proactive approach to identifying and eliminating obstacles that hinder student success. This includes continuously evaluating and improving assessment methods to ensure they are fair and supportive of diverse learning needs. By closely monitoring success indicators, we can intervene and provide targeted support where it is most needed. In doing so, we aim to empower students by creating an environment that nurtures their academic growth and equips them with the tools to excel.

Goal 2 – Foster Student Enrollment, Retention and Completion

- Strategy 1: Streamlining Enrollment and Onboarding

  We are dedicated to simplifying the enrollment and onboarding process, making it as seamless and supportive as possible. Through the integration of technology, personalized in-person assistance, and comprehensive academic planning resources, we aim to empower students from the very beginning of their college journey. Simplified processes and readily available support will allow students to concentrate more fully on their academic goals, paving the way for a rewarding educational experience.

  - Key Objectives

    - Implement a User-Friendly Enrollment Process

      Develop and introduce an intuitive, easy-to-navigate enrollment process that simplifies the application and registration process for all prospective students, ensuring a seamless entry. Get the most out of the technology that is available to us by ensuring adequate support for a multigenerational student body.

- Conduct Annual Website Reviews

  Regularly review and update our website to enhance usability and consistency across different divisions. This includes ensuring uniformity in the presentation of content, making the website accessible, informative, and user-friendly for a diverse student population.

- Enhance Orientation Programs

  Improve and expand orientation programs to provide a comprehensive introduction to our resources, services, and community. This initiative aims to equip new students with the knowledge and tools needed to start their educational journey on a strong footing. Orientation programs will integrate principles of equity and respect for diversity, ensuring that every student feels valued, empowered, and a sense of belonging. By doing so, we create a supportive and inclusive environment from the outset, promoting equal opportunities for success among all students.

- Strategy 2: Facilitating Completion and Achievement of Educational Goals

  At the core of our mission is the commitment to assist students in reaching their educational aspirations. We will offer continuous, proactive support throughout each student's educational journey, ensuring they have the resources and guidance needed to stay on course and achieve their goals in a timely manner. Aligning support services, academic offerings, and student experiences with the diverse needs of our student population is paramount in minimizing challenges and enabling students to successfully complete their programs.

  - Key Objectives

    - Labor Market Alignment

      Enhance Advising Services

      Improve and broaden advising services to ensure they are more available, accessible, and representative of a diverse population. This will allow for more personalized and inclusive guidance, tailored specifically to individual student goals, addressing the current difficulty in securing timely appointments and ensuring every student can benefit from this crucial support.

    - Improve Student Achievement of Key Academic Milestones

Introduce and maintain initiatives to celebrate student milestones and completions with a high level of inclusivity. This will help cultivate a culture of achievement and motivation across the campus, encouraging students to reach their academic and personal goals.

- Strategy 3: Strengthening Student Retention

  A critical component of fostering student success is understanding and addressing the needs of our current students as well as re-engaging those who may have paused their academic journey. We are committed to leveraging data analytics and feedback to gain insights into student preferences, challenges, and needs. By cultivating a culture of belonging and equity, and by providing effective, needs-based support, we will maintain a nurturing and inclusive educational environment that encourages persistence and academic achievement.

  - Key Objectives

    - Systematize Use of Data Collection Systems

      Integrate use of existing data collection systems at the college to ensure activities and interventions are consistently tracked and the different support services and departments of the college are able to communicate effectively. Where needed, develop appropriate business rules, documentation, and development of new data collection systems. While our data analysis capabilities are proficient, the opportunity for growth lies in enhancing our data collection and application processes to drive meaningful changes that positively impact student outcomes.

    - Refine Targeted Support Initiatives

      Enhance and adapt existing support initiatives to meet the evolving needs identified through data insights and student feedback. This will ensure that efforts to boost student retention are as effective as possible.

    - Foster Community and Belonging

      Intensify efforts to create an inclusive and welcoming campus environment through diverse programming and resources. This will help build a sense of community among students, which is vital for their engagement and success.

Goal 3 – Strengthening Community Engagement and Partnerships

- Strategy 1: Maintaining Relevancy with Workforce Expectations

  To ensure that our offerings remain relevant and responsive to the evolving needs of the local workforce and community, a comprehensive approach to understanding these needs is essential. This strategy involves conducting detailed environmental scans of local businesses, high schools, and surrounding communities. The goal of these scans is to gain insights into the current and emerging educational requirements and workforce development priorities. By systematically analyzing these sectors, we will tailor our Community Education and Workforce Development (CEWD) programming to effectively address and support the specific needs of a diverse business community and the general populace.

  - Key Objectives

    - Environmental Scanning

      Conduct thorough analyses of local businesses and the educational landscape within high schools and surrounding communities. This will provide a foundational understanding of today's diverse workforce and educational needs.

- Strategy 2: Develop Site-Specific Business Plans to Meet Community Needs

  Recognizing the diverse needs of the communities we serve, we will craft individualized business plans for each of our sites. These site plans will focus on delivering market-relevant programming tailored to the unique characteristics and requirements of each community. Additionally, the development of a Return on Mission matrix will guide us in evaluating and aligning our educational offerings with our broader mission of community service and development. A key component of this strategy is the "LCC in Your Neighborhood" program, which aims to extend our reach by collaborating with local organizations and schools to bring educational opportunities directly to community members.

  - Key Objectives

    - Site-Specific Business Plans

      Create detailed business plans for each location, focusing on aligning educational programs with the specific needs of the diverse community each site serves.

- Strategy 3: Creating Career Pipelines from K-12 through Associate and Baccalaureate Transfer

We are dedicated to establishing robust career pipelines that begin in the K-12 education system and extend through community college to baccalaureate programs. This strategy involves collaborating with local schools to introduce all types of students to potential career paths early, aligning educational content with the skills required in the workforce, and facilitating smooth transitions from secondary education to community college. Furthermore, we will work closely with local four-year institutions to ensure seamless transfer processes for students aiming to earn baccalaureate degrees. This comprehensive approach not only supports continuous educational advancement but also prepares diverse students for successful careers, contributing to the economic vitality of the community.

- Key Objectives

  - Early Career Exploration and Engagement

    Foster partnerships with local K-12 institutions to introduce their students to career options and the educational pathways offered at LCC that lead to those careers. This includes developing workshops, aligned with current and future job market demands, that engage students in hands-on activities and real-world problem solving.

  - Curriculum Alignment and Articulation

    Ensure that the curriculum is aligned with the requirements of four-year universities. This includes creating articulation agreements that facilitate credit transfers and co-developing programs that meet the evolving needs of industries, ensuring students have a seamless educational journey from high school through to their baccalaureate studies.

Goal 4 – Establishing LCC as a Premier Workplace through Empowerment, Engagement, and Inclusion

- Strategy 1: Cultivating a Culture of Empowerment through Diversity, Equity, Inclusion & Belonging

  We are committed to fostering a workplace where every employee feels valued, respected, and included. This strategy is about more than just creating a positive work environment; it's about building a culture where diversity is celebrated, and all voices are heard. By implementing initiatives that promote inclusivity and respect, we aim to enhance employee satisfaction and engagement, thereby creating a more cohesive and productive workforce. In summary, our LCC campus culture embraces the Powerfulness of Diversity, the Rightness of Equity, the Warmth of Inclusion & the Security of

Belonging toward a strong LCC community and a better world.

- Key Objectives

  - Expand Diversity

    Expand the meaning of diversity where each is valued for their uniqueness thus allowing everyone to feel empowered through equity and inclusion without barriers.

  - Sustain and Enhance Inclusivity Initiatives

    Continue to focus on maintaining, monitoring, and improving programs and training that promote diversity, equity, inclusion, and belonging across all levels of the institution. This includes regular reviews and updates to ensure these initiatives remain effective and relevant.

  - Enhance Accessibility and Accommodation

    Ensure that all LCC facilities and services are fully accessible and that accommodations are readily available to meet the diverse needs of all employees. This includes physical, digital, and programmatic accessibility to create an inclusive environment for everyone.

  - Promote Cross-Departmental Collaboration

    Encourage and facilitate cross-departmental projects and teams that bring together diverse groups of employees that represent the student population. This will help break down silos, foster mutual respect, and build a more integrated and inclusive organizational culture.

- Strategy 2: Enhancing Employee Development, Hiring Process Efficiency, and Succession Planning

  We are committed to establishing ourselves as an employer of choice by focusing on robust employee development, efficient processes, strategic succession planning and strong cognizance of the value of hiring to serve a growing diverse student body. This strategy ensures progress and strengthens our organizational structure, making LCC a great place to work and grow professionally. Through these focused efforts, we will nurture a supportive and dynamic work environment where employees are empowered to succeed and lead, ensuring the college's ongoing excellence and resilience.

  - Key Objectives

- Documented Succession Plans

  Develop comprehensive succession plans across all departments to address the anticipated retirements and transitions. This involves creating detailed procedures for identifying diverse internal leaders who have potential and preparing them for future roles, to ensure sustainability and knowledge management across all departments.

- Employee Development Opportunities

  Enhance our commitment to employee growth by continuing to provide extensive training and professional development opportunities in a manner that is both equitable and inclusive. By investing in our employees' skills and leadership capabilities, we equip and empower them to advance within the institution, fostering a motivated and capable workforce.

- Streamline Hiring Processes

  Optimize our hiring practices, starting with making the recruitment process more efficient by reducing the time-to-hire and ensuring that critical positions are filled promptly. This objective includes prioritizing internal candidates in an equitable manner for non-entry-level roles, promoting career progression and retention.

Instructional Programming

Lansing Community College Five-Year Capital Outlay Plan
Instructional Programming

Lansing Community College (LCC) was founded in 1957 to fulfill the growing demand for specialized and technical education opportunities for the Greater Lansing's industrial workforce. LCC is a comprehensive community college focused upon offering learning opportunities in four areas: career and workforce development, general education, transfer studies, and personal enrichment. LCC is recognized as a local, state, national, and international leader in forging educational partnerships with business, industry, and government to better meet the needs of an ever changing, world-wide marketplace.

Existing Academic Programs and Projected Programming Changes

LCC's existing academic programming covers certificates and associate degrees in Arts and Sciences that will transfer to four-year colleges/universities, and certificates and associate degrees in Applied Studies preparing students for direct entry into the workforce.

During the pandemic, the College completed the redesign and reimagination of our academic support services for students, specifically in tutoring, computer lab, and library services. This required extensive rebuilding of facilities to house these support services and improve their accessibility to students. The newly renovated Technology and Learning Center building reopened in January 2021 and now functions as a one stop location for academic support services for students, providing many locations for students to study individually or in groups.

Currently, the College is completing two renovation projects. The first construction project is creating a new Center for Cybersecurity Education within the West Campus facility. The second project involves creating a new Transfer Center within the Downtown Gannon Building to help students transition from LCC to their 4-year college or university of choice. These are scheduled to be completed in late 2025 and early 2026, respectively.

Other academic program changes based on job growth and employer need occurred in Health Care, Manufacturing, and other Professional Trades (aviation maintenance, automotive, construction technologies, etc.). These program changes will require revisions in campus facilities.

Lansing Community College Academic Programs

Technical Careers Division (TC) –

- Center for Manufacturing Excellence: Computer Aided Design, Robotics and Automated Technology, and Welding

- Computer Information Technologies: Computer Applications, Computer Support and Repair, Computer Networking, Cybersecurity, and Mobile Application Development, Programming, Web Site Development, Geospatial Science and Drone Pilot and Maintenance

- Public Service Careers: Criminal Justice, Fire Science, Fire Academy, Police Academy, and Legal Studies

- Transportation Maintenance Technologies: Automotive Technology, Aviation Technology, and Heavy Equipment Repair

- Utility and Energy Systems: Electrical Technology, Electrical Utility Lineworker, Heating/Ventilating and Air Conditioning Technology

- Architecture Technology: Building Construction, Civil Technology, and Construction Management

Health and Human Services Division (HHS)

- Allied Health: EKG Technician, Long-term Care Nurse Aide, Massage Therapy, Medical Assistant, Medical Insurance Billing and Coding, Patient Care Technician, Pharmacy Technician, and Phlebotomy Technician

- Child Development and Early Childhood Education

- Dental Hygiene

- Kinesiology and Exercise Science: Group Fitness Instructor, Kinesiology and Exercise Science, and Personal Trainer

- Imaging: Magnetic Resonance Imaging Technology, Radiology Technology, Ultrasound (Diagnostic Medical Sonography), and Vascular Technology

- Nursing: RN Option

- Paramedic: Basic Emergency Medical Technician, Emergency Medical Services, EMS Instructor Coordinator, and Paramedic

- Surgical Technology: Sterile Processing Technician and Surgical Technology

Arts and Sciences Division (A&S)

- School of Business: Accounting, Business, Economics, Management and Marketing

- English

- Communication, Media and the Arts Department: Art & Design, Communication, Digital Media, Music, Sign Language, Theater, and World Language

- Mathematics and Computer Science Department: Applied Math & Statistics and Computer Science

- Science Department: Biology, Chemistry, Geography, Geology and Physics

- Social Science and Humanities Department: Anthropology, Education, History, Humanities, Political Science, Psychology, and Sociology

Unique programming and characteristics at LCC to fulfill our mission:

Workforce development

The Community Education and Workforce Development Division (CEWD) is the hub for our workforce development programming.

- Business and Community Institute (BCI): BCI is a regional partner to hundreds of companies and organizations in Shiawassee, Livingston, Clinton, Eaton, Ionia, and Ingham counties. BCI offers both standardized classes as well as fully customized learning experiences to meet specific employer training needs at LCC or at the employer's facility. BCI is an essential connection between regional employers and areas of the college.
- Small Business Development Center (SBDC): Working in partnership with the U.S. Small Business Administration and Michigan Economic Development Corporation, the SBDC is part of a national network to help entrepreneurs start, grow, and develop businesses.

- Job Training Center (JTC) provides accelerated training and employability "bootcamps" for the community. It serves as a bridge between the unemployed, underemployed and at-risk populations and employment opportunities.

Adult education focus, Continuing or lifelong learning programming

LCC's adult education programming is coordinated by the Arts and Sciences Division and the Community Education and Workforce Development Division

- Adult Education
    - Foundations for Success is designed to help community members who do not have a high school diploma prepare for the GED. This program is designed to work with community members in small groups and individually to develop the skills and knowledge to pass their GED. The program is 16 hours per week for 8 weeks.
    - Adult Enrichment courses at Lansing Community College are designed to strengthen our community by invigorating passions and sparking new interests.
    - Noncredit course for students whose second language is English.

K-12 Programming and Partnerships:

- **Collaborations with Intermediate School Districts or Regional Education Service Agencies (***denotes partnerships where LCC has a signed service agreement with the RESA/ISD**).**
- **Dual Enrollment** for both applied degrees/certificates and transfer degrees which allows qualified high school students to earn college credit while completing the requirements of the high school diploma
- **Early/Middle College Partnerships*:** An early middle college (EMC) is a five-year program of study approved by Michigan Department of Education. The EMC provides students with an opportunity to earn a high school diploma and one of the following: 60 transferable college credits, an associate degree, a professional certification, the Michigan Early Middle College Association (MEMCA) technical certificate, or the right to participate in a registered apprenticeship.
- **The Capital Region Technical Early College*** is career and technical education early college partnership with Eaton RESA and Clinton County RESA. The program gives students relevant career-related experience. ERESA's students participate in programs on LCC's Downtown and West Campuses, along with CCRESA's building in St. Johns.
- **Shiawassee RESD Early College*** focuses on the Michigan Transfer Agreement pathway.
- **High School Advantage***: allows high school seniors to earn transferable credit on their high school campus at no cost to the student.
- **Promise Scholarships** provide financial assistance to graduates of public, private, home and charter schools, along with GED programs to obtain an associate's degree, certificate, or equivalent at a post-secondary partner institution.

- **Lansing Promise** serves students who live within the Lansing School District boundaries from 9th-12th grades and graduate from a high school or homeschool within the Lansing School District boundaries. The Lansing Promise provides tuition assistance for up to 65 credits within a 4-year period at Lansing Community College.
- **H.O.P.E. Scholarship** offers Lansing School District youth an opportunity for a college education and a brighter future. Students were initiated into the program as sixth graders and promised to finish high school in the Lansing School District; in exchange, they receive up to 65 credits within a four-year period at Lansing Community College.
- **Mason Promise** guarantees funding for two years of Lansing Community College education to selected Mason Public School students. These selected students are chosen by the Mason Public Schools at the end of the fifth grade and then become a Mason Promise Scholar through an induction ceremony.

Community activities

Many community activities are sponsored by LCC throughout the year. Some examples include Kids Camps, STEM Fest for Science and Math for youths, and Cybersecurity Career Awareness Week Workshop open to the public to learn more about the cyber defense industries and careers cybersecurity. The Dental Hygiene Clinic and Massage Clinic are operated by the HHS Division and are open to the public for dental examinations, teeth cleaning and massages. HHS received a Health Resources and Services Administration (HRSA) grant for a Mobile Health Education Vehicle. The vehicle is being used by trained healthcare professionals for community education, outreach, recruitment and continuing education events. In addition, LCC operates its own conference center facilities, providing space for local employers, professional organizations, and major corporations to hold activities on the LCC campuses.

Geographic service delivery areas

Located in a six-county region, which is served by no other community colleges, LCC has enrollments from rural, suburban, and urban areas. The Downtown Campus houses the majority of the college's programs and offerings. Additional locations include: West Campus, housing most of the college's career and technical activities; the Mason-Jewett Airport, housing the Aviation Technology Center; East Campus; and the Job Training Center, which serves the unemployed and underemployed and is located at Capital Area Michigan Works! building. In addition, the college offers training for area businesses and courses in specialized facilities.

Articulation agreements or partnerships with four-year institutions

Each academic year, more than 2,100 LCC students transfer to colleges and universities to continue their education. Articulation/Transfer Agreements, along with the Michigan Transfer Agreement, aid in the move to attending colleges and universities across the state of Michigan. Students are offered the opportunity to transfer up to two and sometimes three years of

credits from LCC towards their bachelor's degree. To ensure students have a smooth handoff, the Transfer Center at LCC works as a liaison for students, helping them to navigate course equivalencies, answer questions, and seek out resources to assist them in reaching their educational goals.

Initiatives Impacting Facilities Usage

Lansing Community College's (LCC) Technical Careers Division provides innovative pathways to apprentices in partnership with industry and the communities we serve. The Technical Careers (TC) division is dedicated to providing an education that allows our graduates to transition into employment or further education in pathways that lead to economic mobility and financial stability. To achieve this goal, we prioritize hands-on exposure to trade-specific tools, equipment, and materials, under the mentorship of industry professionals. Safety protocols are rigorously taught to ensure proficiency in safe trade operations. LCC maintains year-round learning environments to thoroughly prepare apprentices, ensuring their readiness and safety upon entering the workforce.

Throughout 2024, we received several hundred inquiries regarding our linework program, resulting in acceptance of 80 applicants for the 2025 class. At full classroom capacity, we can offer 98 seats for Practical Electricity (ELTE 110) in the fall semester. Practical Electricity is a key required first-semester class not only for linework students, but also for every degree and certificate in the Electrical Technology and Electrical Apprenticeship programs, so with a majority of our 98 seats committed to lineworker students, there is a limited the number of seats available for students in other programs that need this course. This limited availability means we are losing students and potential workers able to help meet regional workforce needs.

In AY25, we educated an average of 117 students on our various electrical pathways. In addition, our electrical classes are also used in other program areas, such as Welding, HVAC, Mechatronics, and Construction Management. Our electrical classes are scheduled to use the maximum resources, equipment, and staff to accommodate our growing program. Without additional space and electricity, we will not be able to grow our electrical programs nor any of the ancillary program areas that use our electrical courses, and we, therefore, will not be able to produce enough students ready to meet the industrial needs in the region.

For 176 years, the United States has relied on electrical lineworkers to help power our country. Currently, there are close to 124,000 lineworkers in the U.S. and approximately 4,100 in the State of Michigan. According to Lightcast, a labor-predicting software program, the need for electrical lineworkers and installers will see a steady upward trajectory in the next ten years. This field will see a projected increase of 12%, exceeding the national average growth rate by 4%. Michigan also has a higher median wage percentage for those in this career than other states, with the median starting wage at $44.50/hr. Here at LCC, we also train our students in the rapidly growing skills needed in today's lineworker workforce, such as working with

capacitors, telecommunications, and especially pole climbing, which is projected to grow by 12%.

In the early 2000s, Consumers Energy foresaw a significant need for lineworker apprentices and realized they would not be able to meet this demand internally. By 2009, they launched the school-to-work program now known as EMPOWER, and LCC hosted its first class of linework pre-apprentice students. LCC is one of four pre-apprentice certificate programs in Michigan feeding Consumers Energy, DTE Energy, International Brotherhood of Electrical Workers (IBEW) Local 876 and Local 17, and other utility companies, municipalities, and co-ops throughout the state.

LCC's Utility and Energy Systems Department offers four associate degrees and nine certificates. Within LCC's Utility and Energy Systems, the Lineworker program is one of the most demanding programs in the TC Division. Our students complete 13 months of intensive coursework, including an optional three-day Utility Lineworker orientation, three semesters of academic courses, and either a 9-week or an 11-week climbing school.

LCC is investing in workforce development by supporting students' on-the-job experiences that lead to Department of Labor (DOL) Registered Apprenticeships. Due to the critical shortage of a skilled workforce in advanced manufacturing, construction, and electrical/utilities, the college partners with employers to align curriculum to meet the demand. LCC connects faculty to industry leaders in the region to ensure an LCC education is consistent with the regional and state employment needs. Our courses support apprentices in residential, commercial, and industrial companies and fulfill all of the State of Michigan requirements for Related Technical Instruction.

Relative to the Lineworker program, students complete core classes in worksite safety, energy industry fundamentals I & II, practical electricity concepts, electrical mathematics basics, and utility prints and diagrams. They are held to exceptionally high standards regarding their work ethic, attitude, punctuality, and work closely with staff to develop their soft skills. At LCC, fostering the character of a lineworker is just as important as developing the technical skills of a lineworker.

In addition to the classroom instruction, lineworker students receive hands-on training in Basic Electric Line Climbing, to learn how to be a Ground/Utility Worker or an Energized Secondary Worker. They practice both freestyle and bucking climbing techniques, understand all fall restraint equipment, and can tie basic knots. Students must also perform secondary "Hurtman Rescue" operations on injured workers.

Training includes the operation and maintenance of forestry equipment such as chain saws, pole saws, and hand saws along with the operation and setup of digger derricks. Students learn to prepare transformers for installation and use proper techniques to rescue an incapacitated worker from an aerial lift device. By the end of the program, they are proficient in grounding and barricading techniques for aerial lifts and digger derricks, and understand proper line construction principles, including correctly installing equipment and completing quality splices,

terminations, and supports. Additionally, they can demonstrate industry-accepted safe work procedures while working on energized 120/240-volt secondary lines with rubber personal protective equipment.

Upon completion of the 13-month program, students earn their OSHA 30 Certificate, and an Energy Industry Fundamentals Certificate. They also complete 300 lab hours climbing, performing groundworker duties, installing and labeling primary and secondary URD cables, and working energized lines. Lansing Community College's pre-apprentice program is approved by the American Line Builders Apprenticeship Training Center (ALBAT).

With the addition of programming in Electrical Vehicle, Avionics Programs, Renewable Energy, and Underground Splicing Training, LCC would be able to help train students to enter into the growing energy careers in Michigan. To increase the programming available to students and enhance the training capabilities of LCC's TC Division, we propose establishing a dedicated Utility Energy Training Center. This center will also feature four specialized labs for power generation, underground splicing, a General Electric lab for overflow from the main building, and both indoor and outdoor pole climbing arenas, providing hands-on experience crucial for our students.

The facility will include four classrooms to accommodate academic instruction, as well as office spaces for faculty and staff to support educational and administrative functions. Meeting spaces will be available for collaborative discussions and professional gatherings. Essential amenities will include restrooms, a robust electricity and power supply, a carport for two digger derricks and four bucket trucks, and cold storage for equipment and supplies. Safety will be a top priority in the climbing area, with padded flooring, and proper anchoring for structures. This comprehensive setup will ensure that our students receive the highest quality training and practical experience in the utility energy field.

A dedicated Energy and Utility Training Center will address the following high-priority student and college needs:

- Expand Existing Programs: Support the growth of energy-intensive programs like Electrical Technology and Utility Linework by providing additional power for equipment and tools.
- Introduce New Programs: Develop and launch new clean energy programs such as Renewable Energy, Power Generation, Electric Vehicle (EV) technology, and Avionics, which require substantial power resources.
- Enhance Facilities: Upgrade and expand laboratory and workshop spaces, ensuring they have adequate power to support advanced machinery and technology.
- Improve Infrastructure: Enhance campus infrastructure by powering new buildings or upgrading existing ones to be more energy-efficient and capable of supporting future growth for the TC programs.

- Sustainability Initiatives: Implement sustainable practices such as installing electric vehicle charging stations, creating a smart grid for energy management, and supporting renewable energy projects like solar panels or wind turbines.
- Community Partnerships: Collaborate with local industries and community partners to provide training and development programs that require substantial power, thereby fostering stronger community relations and workforce development.
- Increase Innovation: Establish centers focused on energy technology and innovation, providing students and faculty with the resources to conduct cutting-edge research.
- Backup Power Supply: Ensure reliable backup power for critical facilities and operations, minimizing disruptions during power outages and enhancing overall campus resilience.

Staffing and Enrollment

Lansing Community College Five-Year Capital Outlay Plan
Staffing and Enrollment

Projected enrollment patterns over the next five years

Enrollment projections were developed using an Autoregressive Integrated Moving Average (ARIMA) model. This approach accounts for the seasonality of enrollment data at a community college and uses past enrollment performance to predict future values. An advantage of this widely accepted approach is that it allows for predictions using past enrollment values and seasonal effects. This is an improvement over methods requiring estimations of future unemployment rates, population, and participation rates that each introduce sources of model error.

Using an ARIMA model, Lansing Community College (LCC) anticipates slight year-over-year increases in enrollment for the next five years. It is important to note that environmental factors like unemployment rate, inflation, changes to financial aid regulations, regional populations, and enrollment levels of local high schools have a significant impact on LCC's enrollment.

Academic Year	Forecasted Credit Hours	Forecasted Billing Hours
2025-2026	210,899	227,507
2026-2027	216,358	233,396
2027-2028	219,707	237,009
2028-2029	221,763	239,227
2029-2030	223,024	240,587

Enrollment patterns for the preceding five years

The college has experienced a prolonged period of declining enrollment following the end of the national recession. These enrollment declines also coincide with a declining high school population and low unemployment rate in LCC's service area. In 2024-2025, the college had a significant increase in enrollment.

Academic Year	Fall Headcount	Year-Over-Year Change
2020-21	10,855	-13.21%
2021-22	10,709	-1.35%
2022-23	10,032	-6.32%
2023-24	9,754	-2.77%
2024-25	10,374	6.36%

Student/instructional staff and student/administrative staff ratios

These ratios are based on the fall 2024 semester student, faculty, and staff counts which were converted to full-time equivalencies (FTE) in order to provide an unduplicated and normalized value. Part-time student and staff headcounts were multiplied by 1/3 and added to the full-time counts (IPEDS methodology) to determine FTE values. An exception to this methodology was used for the nursing program where all students are considered full-time. These ratios are based on a count of program faculty teaching program-specific courses and students majoring in these programs and taking program courses.

Fall 2023 Institutional Ratios (FTE)

- Student to instructional staff = 16 : 1
- Students to all staff = 5.9 : 1

Program Level Ratios for Top Programs by Enrollment

Program	FTE Faculty	FTE Student	Students in Program to Faculty Ratio
Business	5	247	49.4
Psychology	12	219	18.3
Nursing	39	248	6.4
Business Administration	5	118	23.6

Future staffing needs based on five-year enrollment estimates and future program changes

Five-year enrollment estimates (shown above as forecasted credit hours) indicate a recent shift from a long period of enrollment decline. Improvements to student success initiatives and funding for programs like Michigan Reconnect are helping to improve enrollment and student retention; large shifts in enrollment are not expected annually. The full-time equivalent (FTE) staffing is expected to maintain the same approximate ratios while allowing for fluctuations in response to positive or negative enrollment changes.

Current average class size and projected average class size based on the institution's mission and planned programming changes

The average number of students per section are shown below based on the fall semester (the previous four years have been included to provide context). This ratio increased with the last semester to 19.0 and is likely to increase again this fall slightly.

	Total Number of Sections	Total Seatcount	Avg Number of Students per Section
Fall 2020	1,472	27,319	18.6
Fall 2021	1,520	26819	17.6
Fall 2022	1,418	24,766	17.5
Fall 2023	1,371	24,175	17.6
Fall 2024	1,355	25,680	19.0

Current full and part-time enrollment levels by academic program and access location

Programs are identified by Classification of Instructional Programs (CIP) code, award type, and online access in the first table below. LCC has one campus with three satellite locations located in or around Lansing. If the program is identified as "Available Online" in the table, it may be completed 100% online.

CIP Code	Program Name	Degree Level	Available Online
1.0101	Agricultural Technology (1451)	Associate of Applied Science	
1.8301	Veterinary Nursing (287)	Associate of Applied Science	
3.0101	Conservation & Sustainability (1840)	Associate of Science	
3.0101	Conservation & Sustainability (1844)	Certificate of Achievement	
5.0102	American Studies (142)	Associate of Arts	100% Online
5.0201	African-American History (137)	Associate of Arts	100% Online
9.01	Communication (136)	Associate of Arts	
9.01	Comm, Journalism & Language (1823)	General Associate	100% Online
9.0402	Journalism (1628)	Associate of Arts	100% Online
9.0702	Digital Media and Design (1846)	Associate of Applied Science	
9.0901	Comm Journ Lang Enhanced (1834)	Associate of Applied Arts	
10.0201	Digital Media: Cinematography (1450)	Certificate of Completion	
10.0201	Digital Media: Transfer (1452)	Associate of Applied Science	

CIP Code	Program Name	Degree Level	Available Online
10.0201	Digital Media: Video/Cinema (1454)	Certificate of Achievement	
10.0201	Digital Media Specialist (1458)	Associate of Applied Science	
10.9999	Sign Language Interpreter (187)	Certificate of Achievement	
10.9999	Sign Language Interpreter (282)	Associate of Applied Arts	
11.0101	Computer Tech & Networking (1857)	General Associate	
11.0102	App Artificial Intelligence (1852)	Certificate of Completion	100% Online
11.0202	Computer Programmer/Analyst (113)	Associate of Business	100% Online
11.0202	Microsoft Office Specialist (841)	Certificate of Completion	100% Online
11.0202	Computer Technology Basics (844)	Certificate of Completion	100% Online
11.0202	Computer Programmer/Analyst (969)	Certificate of Completion	100% Online
11.0202	Computer Software Tester (1633)	Certificate of Achievement	100% Online
11.0202	Mobile Application Developer (1712)	Certificate of Achievement	
11.0803	Graphic Design (1020)	Certificate of Achievement	
11.0803	Graphic Communication (1533)	Associate of Applied Arts	
11.0901	Web Site Developer (843)	Certificate of Completion	100% Online
11.0901	Computer Networking Tech (1453)	Associate of Business	
11.0901	Cisco Certified Network Prep (1469)	Certificate of Completion	
11.0902	Cloud Computing (1839)	Associate of Applied Science	100% Online
11.1003	Cybersecurity (1832)	Associate of Applied Science	100% Online
11.1003	Cybersecurity Foundations (1833)	Certificate of Completion	100% Online
11.1003	Cybersecurity Advanced (1845)	Certificate of Completion	100% Online
11.1006	Computer Support Specialist (713)	Associate of Business	
11.1006	Computer Support Technician (743)	Associate of Applied Science	
11.1006	Info Tech Foundations (766)	Certificate of Completion	100% Online
13.0406	Education (1624)	Associate of Arts	100% Online
13.1206	Education and Human Services (1843)	General Associate	
13.1501	Teacher Paraprofessional (829)	Certificate of Completion	
13.1501	Teacher Paraprofessional (1039)	Associate of Applied Science	
14.1201	Engineering-Physics (1619)	Associate of Science	
14.4201	Robotics and Automated Tech (1605)	Certificate of Achievement	
14.4201	Robotics and Automated Tech (1789)	Certificate of Completion	
15.0201	Civil Technology (178)	Associate of Applied Science	
15.0201	Survey and Material Tech (1011)	Certificate of Completion	
15.0307	Music Technology (1358)	Certificate of Completion	
15.0403	Mechanical Systems (147)	Certificate of Achievement	
15.0403	Mechanical Systems (173)	Associate of Applied Science	
15.0406	Mechatronics-Maint Tech (1780)	Associate of Applied Science	
15.0407	Electrical and Manufacturing (1856)	General Associate	
15.0613	Indus Manuf Engineer Tech (110)	Associate of Applied Science	

CIP Code	Program Name	Degree Level	Available Online
15.1102	Geospatial Science Technician (224)	Associate of Applied Science	
15.1102	Geospatial Science (834)	Certificate of Achievement	
15.1202	Computer Technician (168)	Certificate of Achievement	
15.1306	Computer Aided Design (1799)	Certificate of Completion	
15.1306	Computer Aided Design (1800)	Certificate of Achievement	
15.1306	Computer Aided Design (1801)	Associate of Applied Science	
16.0101	World Language (132)	Associate of Arts	100% Online
16.0302	Japanese Studies (1787)	Certificate of Completion	100% Online
16.0905	Spanish Studies (1788)	Certificate of Completion	100% Online
19.0709	Child Develop & Early Educ (133)	Certificate of Achievement	
19.0709	Child Dev and Early Ed (1637)	Associate of Applied Arts	
19.0709	Child Dev and Early Ed (1815)	Certificate of Completion	
22.0302	Legal Studies (101)	Associate of Business	100% Online
22.0302	Legal Studies Post-Bachelor (744)	Certificate of Achievement	100% Online
22.0302	E-Discovery Proficiency (1847)	Certificate of Completion	100% Online
23.0101	Literature (124)	Associate of Arts	
23.1302	Creative Writing (1623)	Associate of Arts	
24.0101	General Associate (863)	General Associate	100% Online
24.0101	Transfer Studies (1482)	Certificate of Achievement	100% Online
24.0101	Transfer Studies (1779)	Associate of Arts	100% Online
24.0101	Transfer Studies (1782)	Associate of Science	100% Online
24.0103	History, Humanities, English (1860)	Associate of Arts	
26.0101	Biology (221)	Associate of Science	
27.0101	Mathematics (1620)	Associate of Science	
30.0101	Science and Mathematics (1831)	General Associate	
30.0801	Computer Science (169)	Associate of Science	
30.4101	Geology (1841)	Associate of Science	
31.0505	Kinesiology/Exercise Science (1639)	Associate of Applied Science	
31.0507	Group Fitness Leader (1704)	Certificate of Completion	
31.0507	Personal Trainer (1705)	Certificate of Achievement	
38.0101	Philosophy (159)	Associate of Arts	100% Online
38.0201	Religious Studies (751)	Associate of Arts	
40.0501	Chemistry (117)	Associate of Science	
41.0101	Biotechnology (212)	Associate of Applied Science	
41.0101	Biological Lab Techniques (1608)	Certificate of Completion	
41.0301	Chemical Technology (163)	Associate of Applied Science	
42.0101	Psychology (215)	Associate of Arts	100% Online
43.0102	Correctional Officer (840)	Certificate of Completion	100% Online
43.0102	Criminal Just-Corrections (1209)	Associate of Applied Science	

CIP Code	Program Name	Degree Level	Available Online
43.0102	Local Corrections Officer (1810)	Certificate of Completion	
43.0107	Criminal Justice (146)	Associate of Arts	100% Online
43.0107	Criminal Just - Law Enforce (1210)	Associate of Applied Science	
43.0107	CJ - Digital Evidence Spec (1802)	Certificate of Completion	
43.0107	CJ - Digital Evidence Spec (1803)	Associate of Applied Science	
43.0107	Mid-Michigan Police Academy (1855)	Certificate of Completion	
43.011	Juvenile Justice (916)	Certificate of Achievement	
43.011	Criminal Just - Juv Spec (1475)	Associate of Applied Science	
43.0203	Fire Science Technology (123)	Associate of Applied Science	
43.0203	Fire Science/Basic EMT (1057)	Associate of Applied Science	
43.0203	Fire Science Academy (1854)	Certificate of Completion	
43.0401	Public Service Careers (1848)	General Associate	
44	Human Services (915)	Associate of Applied Science	
44	Human Services (1201)	Certificate of Achievement	
44	Human Services (1859)	Certificate of Completion	
45.0101	Social Sciences (1842)	General Associate	
45.0201	Anthropology (1621)	Associate of Arts	100% Online
45.0301	Applied Field Survey Methods (1836)	Certificate of Completion	
45.0301	Field Survey Method & Analy (1837)	Certificate of Achievement	
45.0601	Economics (230)	Associate of Arts	100% Online
45.0701	Geography (1858)	Associate of Applied Science	
45.1001	Political Science (750)	Associate of Arts	
45.1101	Sociology (753)	Associate of Arts	100% Online
46	Building & Construction Trades (1851)	General Associate	
46.0201	Building Construction (135)	Certificate of Achievement	
46.0201	Building Construction (1714)	Certificate of Completion	
46.0201	Building Construction (1766)	Associate of Applied Science	
46.0301	Customer Energy Specialist (893)	Certificate of Achievement	
46.0301	Customer Energy Specialist (1022)	Associate of Applied Science	
46.0301	Energy Industry Fundamentals (1777)	Certificate of Completion	
46.0302	Electrical Technology (134)	Associate of Applied Science	
46.0302	Elect Tech - Construction (759)	Certificate of Achievement	
46.0302	Elect Tech - Control Maint (760)	Certificate of Achievement	
46.0302	Electrical Wiring (964)	Certificate of Completion	
46.0302	Electrical Machine Controls (966)	Certificate of Completion	
46.0302	Inside Wireman Apprentice (1445)	Associate of Applied Science	
46.0302	Control Panel Wiring (1471)	Certificate of Completion	
46.0302	Electrical Apprenticeship (1570)	Certificate of Achievement	
46.0303	Electrical Utility/Lineworker (1468)	Certificate of Achievement	

CIP Code	Program Name	Degree Level	Available Online
46.0303	Electrical Utility/Lineworker (1783)	Associate of Applied Science	
46.0401	Building Maintenance (1481)	Certificate of Achievement	
47	Transportation Technologies (1850)	General Associate	
47.0201	Heating and Air Conditioning (832)	Certificate of Achievement	
47.0201	Heating and Air Conditioning (836)	Associate of Applied Science	
47.0201	HVAC/R-Energy Mgt Eng Tech (1257)	Associate of Applied Science	
47.0302	Heavy Equip Repair Techn (1041)	Certificate of Achievement	
47.0302	Heavy Equip Repair Techn (1055)	Associate of Applied Science	
47.0303	Industrial Maint Technician (1484)	Certificate of Achievement	
47.0604	Automotive Technologies (1790)	Certificate of Achievement	
47.0604	Automotive Technologies (1791)	Associate of Applied Science	
47.0604	Auto:Electric Drive/AltFuel (1792)	Certificate of Achievement	
47.0604	Auto:Brakes Suspension Syst (1793)	Certificate of Completion	
47.0604	Auto:Elect HVAC Diag Spec (1794)	Certificate of Completion	
47.0604	Auto:Engine Transmission (1795)	Certificate of Completion	
47.0604	Auto:EnginePerf Drivability (1796)	Certificate of Completion	
47.0607	Airframe Maintenance Tech (757)	Associate of Applied Science	
47.0607	Airframe Maintenance Tech (1036)	Certificate of Achievement	
47.0608	Powerplant Maint Tech (745)	Associate of Applied Science	
47.0608	Powerplant Maintenance Tech (1035)	Certificate of Achievement	
47.0609	Basic Aviation Technology (1037)	Certificate of Completion	
48.0501	Manufact Engineering Tech (1359)	Associate of Applied Science	
48.0501	Machine Tool Technology (1470)	Certificate of Achievement	
48.0501	CNC Machine Technology (1797)	Certificate of Completion	
48.0501	CNC Machine Technology (1798)	Certificate of Achievement	
48.0508	Welding Technology (156)	Certificate of Achievement	
48.0508	Welding Technology (186)	Associate of Applied Science	
48.0508	Welding Technology (1356)	Certificate of Completion	
49.0101	Drone Pilot and Maintenance (1825)	Certificate of Completion	
50.0501	Theatre (1849)	Associate of Fine Arts	
50.0701	Art Foundation (1716)	Associate of Arts	
50.0702	Studio Art (1781)	Associate of Fine Arts	
50.0703	Art History (746)	Associate of Arts	100% Online
50.0706	Art, Design, and Media (1861)	General Associate	
50.0901	Musicianship Studies (1352)	Certificate of Completion	
50.0901	Music Transfer (1827)	Associate of Music	
50.0901	Music (1828)	General Associate	
50.0901	Music Ed/Pre-Music Therapy (1829)	Associate of Music	
50.0901	Music, Enhanced (1835)	Associate of Music	

CIP Code	Program Name	Degree Level	Available Online
50.0917	Music Industry (1830)	Associate of Music	
51	Pre-Medical Studies (754)	Associate of Science	
51.0602	Dental Hygiene (279)	Associate of Applied Science	
51.071	Med Insur Billing & Coding (1488)	Certificate of Completion	
51.0801	Medical Assistant (1811)	Certificate of Achievement	
51.0805	Pharmacy Technician (1024)	Certificate of Completion	
51.0902	EKG Technician (1442)	Certificate of Completion	
51.0903	Neurodiagnostic Technology (1812)	Associate of Applied Science	
51.0904	Paramedic (272)	Certificate of Achievement	
51.0904	Emergency Medical Services (276)	Associate of Applied Science	
51.0904	EMS Instructor-Coordinator (1638)	Certificate of Completion	
51.0904	Community Paramedicine (1819)	Certificate of Completion	
51.0904	Basic Emergency Medical Tech (1853)	Certificate of Completion	
51.0909	Surgical Technology (1021)	Associate of Applied Science	
51.091	Ultrasound: DMS (790)	Associate of Applied Science	
51.091	Vascular Technology (1604)	Certificate of Completion	
51.0911	Radiologic Technology (196)	Associate of Applied Science	
51.092	MRI Technology (1602)	Certificate of Achievement	
51.092	MRI Technology (1632)	Associate of Applied Science	
51.1009	Phlebotomy Technician (1010)	Certificate of Completion	
51.1012	Sterile Processing Technician (1017)	Certificate of Completion	
51.3501	Massage Therapy (1826)	Certificate of Completion	
51.3801	Nursing - RN Option (222)	Associate of Applied Science	
51.3901	Nursing - PN Option (235)	Certificate of Achievement	
51.3902	Long-Term Care Nurse Aide (1025)	Certificate of Completion	
51.3902	Patient Care Technician (1784)	Certificate of Completion	
51.9999	Allied Health (1862)	Associate of Applied Health	
52.0101	Business Transfer Studies (1622)	Associate of Arts	100% Online
52.0101	Business (1821)	General Associate	100% Online
52.0101	Business, Enhanced (1822)	Associate of Business	
52.0201	Business Administration (243)	Associate of Business	
52.0201	Management and Leadership (245)	Associate of Business	100% Online
52.0201	Management (249)	Certificate of Achievement	100% Online
52.0201	Advanced Management (280)	Certificate of Achievement	100% Online
52.0208	E-Business (839)	Associate of Business	100% Online
52.0208	E-Business (845)	Certificate of Achievement	100% Online
52.0301	Accounting, CPA Exam Prep (255)	Associate of Business	100% Online
52.0302	Accounting (162)	Associate of Business	100% Online
52.0302	Accounting (714)	Certificate of Achievement	100% Online

CIP Code	Program Name	Degree Level	Available Online
52.1001	Human Resource Management (712)	Associate of Business	100% Online
52.1101	International Business (240)	Associate of Business	100% Online
52.1701	Insurance and Risk Management (1804)	Associate of Business	
52.1701	Insurance & Risk Management (1838)	Certificate of Completion	
52.1801	Marketing (204)	Associate of Business	
52.1801	Marketing (225)	Certificate of Achievement	
52.1804	Sales Specialist (242)	Certificate of Achievement	100% Online
52.2001	Construction Management (1634)	Associate of Applied Science	
52.2001	Construction Management (1635)	Certificate of Achievement	
54.0101	History (197)	Associate of Arts	100% Online

The following table shows a breakdown of full and part-time students by program as well as the enrollment as a percentage of all programs.

Program	CIP Code	FT	PT	Credit	Non Credit	HS	Total	Percent of Total
General Associate (863)	24.0101	313	762	1075	12	3	1090	10.5%
Nursing PN-RN Pre Admit (P006)	51.3801	181	437	618	6	1	625	6.0%
Business (1821)	52.0101	163	253	416	3	0	419	4.0%
Psychology (215)	42.0101	132	262	394	1	0	395	3.8%
Transfer Studies (1779)	24.0101	178	183	361	1	0	362	3.5%
Transfer Studies (1782)	24.0101	125	160	285	2	0	287	2.8%
Guest Student (2)	24.0102	22	242	264	20	0	284	2.7%
Allied Health (1814)	51.9999	32	123	155	0	96	251	2.4%
Nursing - RN Option (222)	51.3801	6	242	248	0	0	248	2.4%
Business Administration (243)	52.0201	57	184	241	1	0	242	2.3%
Engineering-Physics (1619)	14.1201	86	141	227	1	0	228	2.2%
Kinesiology/Exercise Science (1639)	31.0505	74	89	163	2	33	198	1.9%
Diagnostic Med Sonography Pre (P002)	51.0910	71	120	191	0	0	191	1.8%
Computer Science (169)	30.0801	83	107	190	0	0	190	1.8%
Biology (221)	26.0101	79	104	183	0	0	183	1.8%
Business Transfer Studies (1622)	52.0101	89	94	183	0	0	183	1.8%
Welding Technology (186)	48.0508	26	75	101	0	60	161	1.6%
Criminal Justice (146)	43.0107	43	73	116	4	28	148	1.4%
Automotive Technologies (1791)	47.0604	18	48	66	1	81	148	1.4%
Education (1624)	13.0406	60	81	141	1	0	142	1.4%
Undecided-Program Exploration (99)	24.0102	4	116	120	8	0	128	1.2%
Accounting (162)	52.0302	36	88	124	2	0	126	1.2%
Computer Programmer/Analyst (113)	11.0202	30	94	124	0	0	124	1.2%
Radiologic Technology Pre (P008)	51.0907	45	75	120	1	0	121	1.2%
Criminal Just - Law Enforce (1210)	43.0107	26	48	74	11	28	113	1.1%
Electrical Apprenticeship (1570)	46.0302	0	108	108	1	1	110	1.1%
Child Dev and Early Ed (1637)	19.0709	26	82	108	2	0	110	1.1%
Dental Hygiene Pre-Admit (P001)	51.0602	34	74	108	0	0	108	1.0%
Pre-Medical Studies (754)	51.0000	32	75	107	0	0	107	1.0%
Electrical Technology (134)	46.0302	21	78	99	0	0	99	1.0%
Graphic Communication (1533)	11.0803	22	42	64	0	35	99	1.0%
Airframe Maintenance Tech (757)	47.0607	91	4	95	0	0	95	0.9%
Marketing (204)	52.1801	31	58	89	0	0	89	0.9%
Cybersecurity (1832)	11.1003	28	59	87	0	0	87	0.8%
Legal Studies (101)	22.0302	28	54	82	0	0	82	0.8%
Computer Networking Tech (1453)	11.0901	15	51	66	2	2	70	0.7%

Program	CIP Code	FT	PT	Credit	Non Credit	HS	Total	Percent of Total
Construction Management (1634)	52.2001	21	47	68	2	0	70	0.7%
Veterinary Nursing (287)	1.8301	24	45	69	0	0	69	0.7%
Sign Language Interpreter (282)	10.9999	9	58	67	1	0	68	0.7%
Sociology (753)	45.1101	14	52	66	0	1	67	0.6%
Transfer Studies (1482)	24.0101	2	59	61	0	0	61	0.6%
Manufact Engineering Tech (1359)	48.0501	3	28	31	0	26	57	0.5%
Political Science (750)	45.1001	14	41	55	0	0	55	0.5%
Human Services (915)	44.0000	8	43	51	1	0	52	0.5%
Electrical Utility/Lineworker (1468)	46.0303	26	25	51	0	0	51	0.5%
Art Foundation (1716)	50.0701	18	32	50	0	0	50	0.5%
Building Construction (1766)	46.0201	12	16	28	0	19	47	0.5%
Dental Hygiene (279)	51.0602	45	0	45	0	0	45	0.4%
Mechatronics-Maint Tech (1780)	15.0406	4	29	33	0	11	44	0.4%
Conservation & Sustainability (1840)	3.0101	25	19	44	0	0	44	0.4%
Communication (136)	9.0100	12	31	43	0	0	43	0.4%
Heating and Air Conditioning (836)	47.0201	12	28	40	0	0	40	0.4%
Fire Science/Basic EMT (1057)	43.0203	27	13	40	0	0	40	0.4%
Radiologic Technology (196)	51.0911	16	23	39	0	0	39	0.4%
Creative Writing (1623)	23.1302	9	30	39	0	0	39	0.4%
History (197)	54.0101	11	27	38	0	0	38	0.4%
Electrical Utility/Lineworker (1783)	46.0303	18	20	38	0	0	38	0.4%
Personal Interest (98)	24.0102	1	26	27	5	0	32	0.3%
Chemistry (117)	40.0501	10	22	32	0	0	32	0.3%
Studio Art (1781)	50.0702	9	23	32	0	0	32	0.3%
Mathematics (1620)	27.0101	8	23	31	0	0	31	0.3%
Education and Human Services (1843)	13.1206	11	19	30	1	0	31	0.3%
Financial Institutions (103)	52.0801	11	19	30	0	0	30	0.3%
Digital Media Specialist (1458)	10.0201	7	23	30	0	0	30	0.3%
Computer Support Technician (743)	11.1006	6	13	19	0	10	29	0.3%
Surgical Technology Pre (P009)	51.0909	4	25	29	0	0	29	0.3%
Accounting, CPA Exam Prep (255)	52.0301	4	24	28	0	0	28	0.3%
Human Resource Management (712)	52.1001	9	19	28	0	0	28	0.3%
Agricultural Technology (1451)	1.0101	7	21	28	0	0	28	0.3%
Literature (124)	23.0101	7	20	27	0	0	27	0.3%
Management and Leadership (245)	52.0201	3	24	27	0	0	27	0.3%
Digital Media: Transfer (1452)	10.0201	8	18	26	1	0	27	0.3%
Paramedic (272)	51.0904	23	3	26	0	0	26	0.3%
Heating and Air Conditioning (832)	47.0201	3	22	25	1	0	26	0.3%
Comm, Journalism & Language (1823)	9.0100	9	16	25	0	0	25	0.2%

Program	CIP Code	FT	PT	Credit	Non Credit	HS	Total	Percent of Total
Economics (230)	45.0601	5	19	24	0	0	24	0.2%
Emergency Medical Services (276)	51.0904	3	21	24	0	0	24	0.2%
Surgical Technology (1021)	51.0909	22	1	23	0	0	23	0.2%
Insurance and Risk Management (1804)	52.1701	12	11	23	0	0	23	0.2%
Massage Therapy (1826)	51.3501	0	23	23	0	0	23	0.2%
Journalism (1628)	9.0402	5	16	21	0	0	21	0.2%
Transfer to Another Inst (1)	24.0102	2	18	20	0	0	20	0.2%
Biotechnology (212)	41.0101	5	15	20	0	0	20	0.2%
Ultrasound: DMS (790)	51.0910	20	0	20	0	0	20	0.2%
Social Sciences (1842)	45.0101	7	13	20	0	0	20	0.2%
Theatre (278)	50.0512	7	12	19	0	0	19	0.2%
Computer Support Specialist (713)	11.1006	3	16	19	0	0	19	0.2%
Art History (746)	50.0703	4	15	19	0	0	19	0.2%
Anthropology (1621)	45.0201	5	14	19	0	0	19	0.2%
Music Industry (1830)	50.0917	8	10	18	1	0	19	0.2%
Legal Studies Post-Bachelor (744)	22.0302	4	14	18	0	0	18	0.2%
Criminal Just - Juv Spec (1475)	43.0110	4	14	18	0	0	18	0.2%
Medical Assistant (1811)	51.0801	8	9	17	1	0	18	0.2%
Graphic Design (1020)	11.0803	3	14	17	0	0	17	0.2%
Med Insur Billing & Coding (1488)	51.0710	0	17	17	0	0	17	0.2%
World Language (132)	16.0101	5	10	15	1	0	16	0.2%
Welding Technology (1356)	48.0508	0	14	14	0	1	15	0.1%
Welding Technology (156)	48.0508	1	13	14	0	0	14	0.1%
Personal Trainer (1705)	31.0507	0	14	14	0	0	14	0.1%
Philosophy (159)	38.0101	5	8	13	0	0	13	0.1%
Correctional Officer (840)	43.0102	0	2	2	11	0	13	0.1%
Heavy Equip Repair Techn (1055)	47.0302	6	7	13	0	0	13	0.1%
Automotive Technologies (1790)	47.0604	0	12	12	1	0	13	0.1%
Computer Aided Design (1801)	15.1306	9	4	13	0	0	13	0.1%
Science and Mathematics (1831)	30.0101	6	7	13	0	0	13	0.1%
Theatre (1849)	50.0501	3	10	13	0	0	13	0.1%
International Business (240)	52.1101	3	9	12	0	0	12	0.1%
Architecture Technology (1455)	4.0901	4	8	12	0	0	12	0.1%
Architecture Technologist (1809)	4.0901	2	9	11	1	0	12	0.1%
Music (1828)	50.0901	3	6	9	3	0	12	0.1%
Music Ed/Pre-Music Therapy (1829)	50.0901	4	8	12	0	0	12	0.1%
Mechanical Systems (147)	15.0403	0	11	11	0	0	11	0.1%
Electrical Wiring (964)	46.0302	1	10	11	0	0	11	0.1%
Computer Programmer/Analyst (969)	11.0202	0	11	11	0	0	11	0.1%

Program	CIP Code	FT	PT	Credit	Non Credit	HS	Total	Percent of Total
MRI Technology (1632)	51.0920	1	10	11	0	0	11	0.1%
Building Construction (1714)	46.0201	0	10	10	1	0	11	0.1%
CJ - Digital Evidence Spec (1803)	43.0107	1	10	11	0	0	11	0.1%
Elect Tech - Construction (759)	46.0302	0	10	10	0	0	10	0.1%
E-Business (839)	52.0208	2	8	10	0	0	10	0.1%
Photography (963)	10.0201	0	9	9	1	0	10	0.1%
Phlebotomy Technician (1010)	51.1009	0	9	9	1	0	10	0.1%
Teacher Paraprofessional (1039)	13.1501	3	7	10	0	0	10	0.1%
Music Technology (1358)	15.0307	0	10	10	0	0	10	0.1%
Cloud Computing (1839)	11.0902	3	7	10	0	0	10	0.1%
Digital Media and Design (1846)	9.0702	6	4	10	0	0	10	0.1%
Accounting (714)	52.0302	1	8	9	0	0	9	0.1%
Pharmacy Technician (1024)	51.0805	0	8	8	1	0	9	0.1%
Criminal Just-Corrections (1209)	43.0102	1	8	9	0	0	9	0.1%
HVAC/R-Energy Mgt Eng Tech (1257)	47.0201	4	5	9	0	0	9	0.1%
Japanese Studies (1787)	16.0302	1	8	9	0	0	9	0.1%
Fire Science Technology (123)	43.0203	6	1	7	1	0	8	0.1%
Geospatial Science Technician (224)	15.1102	4	4	8	0	0	8	0.1%
Computer Graphics Animation (284)	10.0304	0	8	8	0	0	8	0.1%
Info Tech Foundations (766)	11.1006	1	7	8	0	0	8	0.1%
Digital Media: Video/Cinema (1454)	10.0201	0	8	8	0	0	8	0.1%
Industrial Maint Technician (1484)	47.0303	0	8	8	0	0	8	0.1%
Geology (1841)	30.4101	4	4	8	0	0	8	0.1%
Child Develop & Early Educ (133)	19.0709	0	7	7	0	0	7	0.1%
Mechanical Systems (173)	15.0403	3	4	7	0	0	7	0.1%
Civil Technology (178)	15.0201	1	6	7	0	0	7	0.1%
Sign Language Interpreter (187)	10.9999	0	7	7	0	0	7	0.1%
Computer Technology Basics (844)	11.0202	2	4	6	1	0	7	0.1%
Digital Media: Cinematography (1450)	10.0201	3	4	7	0	0	7	0.1%
Machine Tool Technology (1470)	48.0501	0	7	7	0	0	7	0.1%
Vascular Technology (1604)	51.0910	0	7	7	0	0	7	0.1%
Construction Management (1635)	52.2001	0	6	6	1	0	7	0.1%
Spanish Studies (1788)	16.0905	0	7	7	0	0	7	0.1%
Neurodiagnostic Technology (1812)	51.0903	1	6	7	0	0	7	0.1%
Elect Tech - Control Maint (760)	46.0302	0	6	6	0	0	6	0.1%
Inside Wireman Apprentice (1445)	46.0302	0	6	6	0	0	6	0.1%
Robotics and Automated Tech (1605)	14.4201	1	5	6	0	0	6	0.1%
Computer Software Tester (1633)	11.0202	2	4	6	0	0	6	0.1%
Patient Care Technician (1784)	51.3902	0	3	3	3	0	6	0.1%

Program	CIP Code	FT	PT	Credit	Non Credit	HS	Total	Percent of Total
Cybersecurity Foundations (1833)	11.1003	0	6	6	0	0	6	0.1%
Indus Manuf Engineer Tech (110)	15.0613	0	5	5	0	0	5	0.0%
Humanities (119)	24.0103	2	3	5	0	0	5	0.0%
Social Science (121)	45.0101	3	1	4	1	0	5	0.0%
Fire Science Academy (709)	43.0203	4	0	4	1	0	5	0.0%
Web Site Developer (843)	11.0901	0	5	5	0	0	5	0.0%
Electrical Machine Controls (966)	46.0302	0	5	5	0	0	5	0.0%
Bookkeeping (1292)	52.0302	0	4	4	1	0	5	0.0%
Music (1477)	50.0901	1	4	5	0	0	5	0.0%
Business, Enhanced (1822)	52.0101	2	3	5	0	0	5	0.0%
Music Transfer (1827)	50.0901	2	3	5	0	0	5	0.0%
African-American History (137)	5.0201	2	2	4	0	0	4	0.0%
Chemical Technology (163)	41.0301	1	3	4	0	0	4	0.0%
Powerplant Maint Tech (745)	47.0608	1	3	4	0	0	4	0.0%
Environmental Technology (793)	15.0507	0	4	4	0	0	4	0.0%
Heavy Equip Repair Techn (1041)	47.0302	4	0	4	0	0	4	0.0%
Auto:Brakes Suspension Syst (1793)	47.0604	0	4	4	0	0	4	0.0%
Geography (1824)	45.0701	1	3	4	0	0	4	0.0%
Marketing (225)	52.1801	1	2	3	0	0	3	0.0%
Advanced Management (280)	52.0201	2	1	3	0	0	3	0.0%
Religious Studies (751)	38.0201	2	1	3	0	0	3	0.0%
Long-Term Care Nurse Aide (1025)	51.3902	0	3	3	0	0	3	0.0%
Airframe Maintenance Tech (1036)	47.0607	1	2	3	0	0	3	0.0%
Building Maintenance (1481)	46.0401	0	3	3	0	0	3	0.0%
Energy Management Specialist (1606)	15.1701	1	2	3	0	0	3	0.0%
Robotics and Automated Tech (1789)	14.4201	1	2	3	0	0	3	0.0%
Child Dev and Early Ed (1815)	19.0709	0	3	3	0	0	3	0.0%
Computer Security Controls (1818)	11.1003	1	2	3	0	0	3	0.0%
Insurance & Risk Management (1838)	52.1701	0	3	3	0	0	3	0.0%
Financial Institutions (151)	52.0801	0	2	2	0	0	2	0.0%
Computer Technician (168)	15.1202	0	2	2	0	0	2	0.0%
Field Sales and Marketing (190)	52.1804	0	2	2	0	0	2	0.0%
Automotive Technology (238)	47.0604	0	2	2	0	0	2	0.0%
Sales Specialist (242)	52.1804	1	1	2	0	0	2	0.0%
Photographic Imaging (277)	50.0605	0	2	2	0	0	2	0.0%
Microsoft Office Specialist (841)	11.0202	0	2	2	0	0	2	0.0%
Music Management (861)	50.1003	0	1	1	1	0	2	0.0%
Survey and Material Tech (1011)	15.0201	0	2	2	0	0	2	0.0%
Basic Aviation Technology (1037)	47.0609	0	2	2	0	0	2	0.0%

Program	CIP Code	FT	PT	Credit	Non Credit	HS	Total	Percent of Total
Musicianship Studies (1352)	50.0901	0	2	2	0	0	2	0.0%
EKG Technician (1442)	51.0902	0	2	2	0	0	2	0.0%
Digital Media: Audio Rec Prod (1448)	15.0307	0	1	1	1	0	2	0.0%
MRI Technology (1602)	51.0920	0	2	2	0	0	2	0.0%
Mobile Application Developer (1712)	11.0202	0	2	2	0	0	2	0.0%
Auto:Engine Transmission (1795)	47.0604	0	2	2	0	0	2	0.0%
CNC Machine Technology (1797)	48.0501	1	1	2	0	0	2	0.0%
CNC Machine Technology (1798)	48.0501	1	1	2	0	0	2	0.0%
Computer Aided Design (1799)	15.1306	0	2	2	0	0	2	0.0%
Computer Aided Design (1800)	15.1306	0	2	2	0	0	2	0.0%
Engineering (112)	14.0101	0	1	1	0	0	1	0.0%
CAD/CAM Engineering Technology (128)	15.1302	0	0	0	1	0	1	0.0%
Building Construction (135)	46.0201	1	0	1	0	0	1	0.0%
American Studies (142)	5.0102	1	0	1	0	0	1	0.0%
Residential Building (167)	46.0201	0	1	1	0	0	1	0.0%
Business Pre-Transfer (232)	52.0101	0	0	0	1	0	1	0.0%
International Studies (252)	45.0901	0	1	1	0	0	1	0.0%
Music (270)	50.0901	0	1	1	0	0	1	0.0%
Psychology, MSU (374)	24.0102	0	0	0	1	0	1	0.0%
Music, MSU (418)	0.0000	0	0	0	1	0	1	0.0%
Law, PreProf, MSU (530)	24.0102	0	1	1	0	0	1	0.0%
Architecture, LTU (539)	0.0000	0	1	1	0	0	1	0.0%
Pharmacy - Pre-Prof, FSU (562)	24.0102	0	1	1	0	0	1	0.0%
Hospitality Management (711)	52.0904	0	1	1	0	0	1	0.0%
Geospatial Science (834)	15.1102	0	1	1	0	0	1	0.0%
E-Business (845)	52.0208	0	1	1	0	0	1	0.0%
Motion Picture Production (902)	50.0602	0	1	1	0	0	1	0.0%
Human Services (1199)	44.0000	0	0	0	1	0	1	0.0%
Human Services (1201)	44.0000	0	1	1	0	0	1	0.0%
Elem Ed Integrated Science,CMU (1289)	13.0406	0	1	1	0	0	1	0.0%
Prof Communication 3+1, SHU (1312)	23.1304	0	1	1	0	0	1	0.0%
Cisco Certified Network Prep (1469)	11.0901	0	1	1	0	0	1	0.0%
Theatre (1483)	50.0501	1	0	1	0	0	1	0.0%
Sustainability (1487)	3.0101	0	1	1	0	0	1	0.0%
Sust Res Des & Bldg Sci (1607)	15.0101	0	1	1	0	0	1	0.0%
Biological Lab Techniques (1608)	41.0101	0	1	1	0	0	1	0.0%
Auto Adv Tech Vehicle Spec (1757)	47.0604	0	1	1	0	0	1	0.0%
Music Industry (1807)	50.0903	0	1	1	0	0	1	0.0%
Local Corrections Officer (1810)	43.0102	0	0	0	1	0	1	0.0%

Program	CIP Code	FT	PT	Credit	Non Credit	HS	Total	Percent of Total
Basic Emergency Med Techn (1817)	51.0904	0	1	1	0	0	1	0.0%
Drone Pilot and Maintenance (1825)	49.0101	0	1	1	0	0	1	0.0%
Applied Field Survey Methods (1836)	45.0301	0	1	1	0	0	1	0.0%
Conservation & Sustainability (1844)	3.0101	0	1	1	0	0	1	0.0%
Public Service Careers (1848)	43.0401	0	0	0	1	0	1	0.0%

Facilities Assessment

Lansing Community College Facilities Overview

Unless otherwise noted, all data in this section reflect Lansing Community College (LCC) fiscal year 2024-2025.

LCC's current Facilities consist of 21 owned major buildings; Appendix A, including leased spaces, totals over 1.5 million square feet of floor space. The College's currently owned area comprises 1,523,573 square feet of gross building space. The estimated value of the College buildings exceeds $400 million. Founded in 1957, LCC celebrated its 65th year in 2022. Of the 21 College-owned buildings listed in **Table 3**, six are older than the college itself; these buildings were adapted for instructional or college support purposes when downtown Lansing was chosen as a site for the community college. The average age of all buildings is just over 63 years old, which presents an ongoing challenge for Facilities Department personnel to maintain adequately and to serve the College's instructional mission best. **Table 4** shows the status of handicapped accessibility and fire suppression systems in the College's buildings.

Facilities Assessment

LCC maintains a facilities assessment that is updated annually to consider new buildings and renovations as they are acquired or completed. The current facilities assessment in **Table 5** plans for major repair and replacement of building systems through 2030. Funding for this work is established within the plant fund with an annual transfer. Fiscal year 2025-2026 transfer budget is $3,500,000.

LCC regularly uses a combination of outside maintenance firms and internal skilled trade staff to maintain and repair major College building systems. In-house staff perform regular inspections and repairs following a formal preventive maintenance program.

Roof and Building Envelope

One of the objectives of the facilities assessment was the development of a roof condition database through visual inspection of all roofs. Infrared structure scanning is performed to identify areas where moisture may be present in the insulation. Assessments have been performed on wall, door, and window systems. This information is used to plan the replacement of sealants, roofing, and exterior envelope systems to improve occupants' energy efficiency and indoor thermal comfort and mitigate moisture and air infiltration.

Architectural

The type and general condition (excellent, good, fair, poor, and substandard) of each room's floor coverings, walls, ceilings, doors, and window coverings have been surveyed. Annual campus replacement projects are established to replace worn and damaged

finishes inside buildings periodically.

Electrical, Mechanical, Plumbing (MEP)

The MEP systems assessment provides replacement schedules for the college's infrastructure. Electrical substations in the College's older facilities are being systematically replaced. Similarly, chillers, pumps, and air-handling equipment are scheduled for replacement in accordance with the predictive life cycle for each system or piece of equipment.

Gannon Parking Ramp

The new Gannon Parking Ramp opened in August 2022 on the same site as the old Ramp that was demolished in 2021. The five-level ramp has 1,776 parking spaces, providing more than 800 additional parking spaces than the previous ramp. The new ramp offers parking for students, employees, Conference Services guests, and visitors.

Utilities

The highest-cost utility used by the college in the fiscal year 2024-2025 was electric, followed by steam, for the downtown campus. Steam is a bi-product from the local Board of Water and Light resulting from electricity generation at their power plants. Water and sewage are the next largest utilities used by the College. Water and sewage costs per year are higher due to higher sewer rates. Natural Gas is the College's least-used utility. Although utility costs have increased from year to year, utility conservation efforts have been incorporated throughout the campus. Below is a table representing the final utility cost for fiscal year 2024-2025.

Electric	$ 2,432,505
Steam	$ 965,510
Water/Sewage	$ 347,145
Gas	$ 146,006
FY 2024-2025 Total Utility Cost	$ 3,891,166

Campus-wide Energy Plan

This section describes LCC's enterprise-wide energy plan. LCC considers its impact on energy usage, carbon footprint, and sustainable energy and resource management.

LCC regularly conducts energy audits by monitoring and measuring energy consumption on a building-by-building basis through the Siemens building automation system. Temperature and airflow set points are adjusted to optimize system efficiencies and indoor thermal comfort. General energy audits are performed annually by Facilities staff

to review trend data on energy usage over the past two or three years. Building systems are also audited to confirm excessive maintenance or performance deficiencies so adjustments, repairs, or equipment replacement can be implemented. Fluorescent or incandescent lighting is being replaced with high-efficiency LED lighting. Multi-stack chillers were replaced with new energy-efficient centrifugal chillers. Motion sensors were installed for lighting control. New energy-efficient mechanical equipment was installed to improve indoor air quality. Water-saving devices were installed on plumbing fixtures. Siemens provides LCC with an annual report reflecting energy cost savings based on utility consumption.

LCC plans to continue upgrading and replacing antiquated architectural building envelope systems and mechanical and electrical equipment as part of the ongoing facilities assessment program. Future projects are an outcome of past energy audits and preventive maintenance. By incorporating sustainable design and construction practices, LCC endeavors to construct new facilities and renovations that meet LEED silver standards. As a national leader in alternative energy curricula, LCC is integrating sustainability into the educational experience and college operations.

LIFE SAFETY SYSTEMS

Fire Alarm and Public Address System

The College's fire alarm system has audio horn strobes that produce public address messages. These systems are maintained and serviced by the Facilities Department. LCC's Police Department Dispatch team regularly checks these systems to ensure they work. It recommends upgrading the systems to keep them current with NFPA (National Fire Protection Association) guidelines on notification and evacuation. As new buildings are added, or existing buildings are remodeled, these systems are examined to ensure they are all compatible and have additional capacity built into them for the future.

AED (Automated External Defibrillator) AEDs are portable electronic devices that automatically diagnose and correct potentially life-threatening cardiac arrhythmias. AEDs can treat victims through the application of a controlled electric shock. The College has approximately 60 AEDs across the Downtown, West, East, Mason Aviation Center, and Livingston Center campuses. Maintenance and placement of these devices is the responsibility of the Facilities Department. As new buildings are added or remodeled, additional units are added based on best practices established by the American Heart Association. Funding was provided during the 2021-2022 fiscal year, allowing the purchase of 60 replacement AEDs and 6 AED training units.

Radio Frequency Amplification for Campus Buildings

Many of the College's buildings are constructed of concrete and steel. The windows have been specially made for energy conservation with metal laminate. While this type of

construction is very durable, it can also block radio transmissions from inside or outside the structures. During emergencies, such as fire alarms, bomb threats, and tornado warnings, it is critical that LCC's Police, Emergency Management, and Facilities and outside emergency agencies, such as Lansing Police and Lansing Fire Department, have good, reliable communication. Radiofrequency amplification is a series of antennas connected to a signal amplification system. In this way, emergency agencies will have reliable communications throughout the College's buildings in the event of an emergency. Any new building construction or substantial remodeling will incorporate radio frequency amplification in design and construction.

Card Access System

To improve the physical safety on LCC campuses, all exterior doors in campus-owned buildings, as well as LCC East (leased property), have been upgraded with card access. As of March 2023, card access is required to access nearly all LCC facilities. In addition, during a campus crisis, these doors can be remotely secured with the push of a button.

Future projects will include retrofitting interior doors that are to areas that contain (1) expensive equipment, (2) dangerous equipment, or (3) confidential materials. Areas for Information Technology (IT) equipment, chemical storage, or personal record storage typically require card access.

General Classroom Utilization

Throughout the week, the College has 200 general-use classrooms available. The following tables represent classroom utilization by building, semester, and day of the week for both Fall and Spring Semesters. The following tables illustrate the hours considered available for scheduling.

LANSING COMMUNITY COLLEGE

CLASSROOM SPACE UTILIZATION: FALL SEMESTER 08/22/2024 - 12/16/2024

Building	OFF PEAK (8am-10am)	PEAK (10am-3pm)	OFF PEAK (3pm-5pm)	EVENING (5pm-10pm)	Weekend
ARTS & SCIENCES	25.36%	45.89%	32.23%	12.82%	0.05%
ACADEMIC & OFFICE FACILITY	2.41%	1.93%	0.00%	0.00%	0.00%
EAST CAMPUS	2.57%	11.42%	18.32%	10.37%	0.00%
GANNON	5.05%	22.66%	11.87%	8.92%	2.01%
HEALTH & HUMAN SERVICE	31.53%	29.26%	17.71%	3.96%	0.65%
LIVINGSTON CENTER	2.61%	8.71%	0.72%	0.68%	0.00%
MASON AVIATION	45.83%	38.71%	47.44%	38.70%	0.00%
TECHNOLOGY & LEARNING CENTER	3.43%	6.02%	4.15%	5.93%	0.00%
WEST CAMPUS	19.56%	17.04%	10.93%	15.51%	1.88%

***Weekend hours are Saturday 8am-10pm except EC, LIVCEN, MSNAVN, & WC, whose hours are 8am-5pm**

LANSING COMMUNITY COLLEGE

CLASSROOM SPACE UTILIZATION: SPRING SEMESTER 01/13/2025 - 05/12/2025

Building	OFF PEAK (8am-10am)	PEAK (10am-3pm)	OFF PEAK (3pm-5pm)	EVENING (5pm-10pm)	Weekend
ARTS & SCIENCES	21.38%	47.49%	32.61%	0.00%	0.05%
ACADEMIC & OFFICE FACILITY	0.00%	1.98%	0.00%	0.00%	0.00%
EAST CAMPUS	1.94%	11.06%	13.43%	0.00%	0.00%
GANNON	6.06%	22.12%	13.55%	0.00%	2.28%
HEALTH & HUMAN SERVICE	30.10%	30.00%	18.21%	0.00%	1.04%
LIVINGSTON CENTER	2.78%	5.58%	0.99%	0.00%	0.00%
MASON AVIATION	41.30%	36.16%	41.30%	0.00%	0.00%
TECHNOLOGY & LEARNING CENTER	2.10%	6.56%	13.74%	0.00%	0.00%
WEST CAMPUS	22.85%	19.94%	15.71%	0.00%	2.22%

***Weekend hours are Saturday 8am-10pm except EC, LIVCEN, MSNAVN, & WC, whose hours are 8am-5pm**

Adequacy of Existing Facilities

The average age of LCC facilities is just over 60 years. It is critical for the college to continuously upgrade facilities to incorporate new educational technologies, supporting infrastructure, and more energy-efficient mechanical, electrical, and plumbing systems. Instructional spaces must be flexible and adaptable to meet emerging teaching pedagogies and curricula trends. The aging infrastructure needs updating to provide operational efficiencies while creating indoor learning environments that improve student learning outcomes.

Computer Labs and Classrooms

Lansing Community College provides student computer labs at Downtown campus at the TLC building, Mason Aviation Center and East Campus. The college has made resources available for students who do not have access to the necessary technology to complete their remote classwork.

The computer availability at each of the campus/extension centers is shown in the table below.

Campus/Extension Center	Computer Classrooms	Computer on Wheels (COWS) & Dry Docks
Downtown Campus	37	52
West Campus	21	5
Mason Aviation Center	1	1
East Campus	3	5

The College is unable to add computer classrooms without losing general classroom space. To deal with this space confinement, the college has purchased furniture for two computer classrooms, allowing the computer equipment to be concealed in the table to create a lecture environment. The College is working toward having this flexibility in all computer classrooms and increasing the number of rooms with computers. Still, the cost limits how much can be accomplished each year. In addition, the college has created several hyflex classrooms where students can attend live classes in person or from a remote location.

Appendix B provides the Information Technology Strategic Plan/Master Plan.

BUILDING DESCRIPTIONS

AOF houses various offices within the Administrative Services Division and the Performing Arts Department's Scene and Costume Shops. The Wood Shop is shared by our Facilities and Performing Arts Departments. There is also general classroom space for swing space and a large amount of warehousing in this facility.

The Paula D. Cunningham Administration Building houses executive offices and the Board of Trustees Meeting room.

Brent M. Knight Arts & Sciences Building houses many of the Arts & Sciences Division's offices, the planetarium, and science labs. Also housed in this building is the Office of Empowerment with includes Cesar E. Chavez Multicultural Center, Maya Angelou Training Center, and Martin Luther King Jr. Equity Center. All divisions also use General Classrooms. Major renovations using Capital Outlay funding were completed in August 2013.

Huron Building houses union offices and the Veterans Resource Center.

Dart Auditorium is the primary auditorium facility on the downtown campus. It also houses several Performing Arts practice rooms and classrooms. Between 2021 and 2023, using a combination of Higher Education Relief Funds and Institutional Plant Funds, the college was able to renovate the facility by upgrading the HVAC equipment, lighting, and seating and giving the auditorium and staging area a fresh new look.

Early Learning Children's Community is currently vacant.

Gannon Building renovations completed in 2014 created a welcoming and inspiring student space. Improvements include the construction of a faceted glass wall that runs along the building's eastern face, and the Commons food court, which provides accessible, fresh food vending grab-and-go options during the building operational hours. In addition, the building is an easily accessible, one-stop student services center (StarZone) for admissions, enrollment, registration, academic advising, financial aid, counseling, and the transfer center. The Academic Success Coach lounge allows students to meet with success coaches, attend skill-building workshops, and participate in other group activities. This facility also contains several specialized classrooms, the college's Gymnasium, Fitness Center, Weight Room, and Dance Classrooms, and one set of locker rooms to accommodate all divisions' fitness areas and general classrooms. This is also the location of the college's Receiving and Mail Facility and LCC Police Department. In 2022-2023, using a combination of Higher Education Relief Funds and Institutional Plant Fund, the college was able to upgrade the HVAC equipment.

Human Health and Services Building houses all the offices, specialized classrooms, and labs related to the Child Development and Early Education, Dental Hygiene, Diagnostic Medical Sonography, Nursing Careers, Community Health Services, Medical Assistant, Emergency Medical Services, Paramedic, Surgical Technology, Radiologic Technology, Neurodiagnostic Technology, and Massage Therapy Programs and general classrooms used by all divisions.

Herrmann House was remodeled in 2012 to provide a residence for LCC's current and future presidents. The remodel ensured historical preservation while providing modern conveniences.

University Center is currently vacant.

Rogers-Carrier House is a historical building that the College maintains. The Greater Lansing Historical Society leases the first floor.

Mackinaw Building is currently vacant.

Abel B. Sykes Technology Learning Center houses the primary Computer Lab, Library, Learning Commons, classroom, Center for Teaching Excellence, eLearning, and a TV station. The Information Technology Services Division's office and the primary college data center are also located within this facility.

West Campus houses the Technical Careers Division offices along with most of their programs. This includes Auto Center, Construction/Residential Building Lab, Machine Shop, Welding Lab, Manufacturing Engineering Technologies, Electrical, HVAC, IBEW, Civil Technology, Geographic Information Systems, Alternative Energy, Computer Information Technology, Criminal Justice, Police Academy, Fire Science/Academy, Architecture, Heating, Ventilating and Air Conditioning, Center for Manufacturing Excellence – Robotics, and Paralegal Programs. West Campus also houses the main offices of the Community Education and Workforce Development (CEWD) division, including the Business and Community Institute, Continuing Education, and Centralized Services. Additionally, most of the Eaton Regional Educational Service Agency classrooms, fitness center, locker rooms, large conference center, student services, and cafeteria are also housed at this location. In 2022-2023, using Higher Education Relief Funds and Institutional Plant Fund, the college upgraded the HVAC equipment and partially replaced the roof.

Washington Court Place houses the Financial Services Division, Purchasing, Registrar and Records, Educational Resource Development, External Affairs & Development, K-12 Operations, LCC Foundation, Small Business Development Center, the Center for Data Science, and Risk Management & Legal Services and Compliance Offices.

Mason Aviation Center has classrooms, a computer lab, and separate bay workstations. All students learn about industry-current equipment and technology and work hands-on with large and small planes, turbine and jet engines, traditional aircraft construction, and advanced composite materials—designated Delta Airline Training Facility.

505 N. Capitol Avenue Building – Currently vacant and requires renovation prior to future use.

COLLEGE LAND

The college occupies 32 acres in downtown Lansing and leases additional acreage at the Capital City Airport. The West Campus in Delta Township, Michigan, comprises 64 acres. This parcel is convenient to I-496 and is the site of the M-TEC® and Technical Training Center. At 64 acres, the site also allows for future program expansion if needed.

Bonds Sale		June 30, 2024	Bonds Paid Off
2015	$	630,000	2026
2016	$	870,000	2026
2017	$	23,185,000	2037
2019	$	34,600,000	2049
2022	$	14,775,000	2032
Total	$	74,060,000	

The College has an excellent bond rating, with rates of AA (S & P) and Aa2 (Moody's) as of the most recent rating.

Table 3

Lansing Community College

Inventory of Owned and Leased College Facilities

Owned Facilities

Facility Name	Address	Year Built	Approx. Gross Sq. Ft.	Age	# of General Classrooms	# of "other" academic-related rooms	Total Classrooms
505 N. Capitol Avenue	505 N. Capitol Ave	1966	19,551	59	0	0	0
515 N. Capitol Avenue	515 N. Capitol Ave	1887	2,957	138	0	0	0
Abel B. Sykes Technology Learning Ctr.	400 N. Capitol Ave	1998	156,657	27	3	4	7
Academic & Office Facility	315 N. Grand Ave	1924	60,668	101	4	2	6
Arts & Sciences	419 N. Washington Sq.	1968	198,296	57	16	13	29
Huron Building	333 N. Washington Sq.	1976	10,028	49	0	0	0
Dart Auditorium	500 N. Capitol Ave.	1980	37,515	45	3	6	9
Early Learning Children's Community	601 N. Washington Sq.	1950	11,617	75	0	0	0
Gannon Building	422 N. Washington Sq.	1975/76	305,208	50	31	54	83
Gannon Building	411 N. Grand Ave	1975	22,438	50	0	0	0
Health & Human Services Building	515 N. Washington Sq.	2005	141,992	20	12	32	44
Hermann House	520 N. Capitol Ave	1893	9,911	132	0	0	0
LCC West – MTEC	5708 Cornerstone Dr.	2004	86,335	21	12	59	71
LCC West – Technical Training Center	5708 Cornerstone Dr.	2004	216,201	21	0	0	0
Mackinaw Building	430 N. Capitol Ave	1962	30,117	63	12	2	14
Mason Aviation Center	661 S. Aviation Drive, Mason	1997	20,000	28	2	0	2
Mason Jewett Field Hangars (2)	649 S. Aviation Drive, Mason	N/A	15,500		0	0	0
Paula D. Cunningham Administration Bldg	610 N. Capitol Ave	2005	34,670	20	0	0	0
Rogers-Carrier House (Inc. addition)	528 N. Capitol Ave	1891	4,813	134	0	0	0
University Center	210 W. Shiawassee St.	1906/2007	40,478	119	0	0	0

Washington Court Place	309 N. Washington Sq.	1973	80,000	52	0	0	0
Totals/Average Age for All Buildings			1,523,573	63	95	172	265
New Gannon Parking Ramp	301 N. Grand Ave	2022	538,056	3			

Table 3 (Continued)

Lansing Community College

Inventory of Owned and Leased College Facilities

Leased Facility

Facility Name	Address	Approx. Gross Sq. Ft.	# of General Classrooms	# of "other" academic-related rooms	Total Classrooms
East Campus	2827 Eyde Parkway East Lansing MI 48823	20,000	13	2	15
Totals		**20,000**	13	2	15

Table 4

Status of Fire Suppression/Accessibility Systems

OWNED FACILITIES

Facility Name	Address	Year Built	Fire Suppression System	Handicapped Accessible
505 N. Capitol Avenue	505 N. Capitol Ave.	1966	Yes	Partial
AOF Building	315 N. Grand Ave.	1924	Partial	Yes
Paula D. Cunningham Administration Building	610 N. Capitol Ave	2005	Yes	Yes
Arts & Sciences Building	419 N. Washington Sq.	1968	Yes	Yes
Huron Building	333 N. Washington Sq.	1976	No	Yes
Dart Auditorium	500 N. Capitol Ave.	1980	Yes	Yes
Gannon Building	422 N. Washington Sq.	1975/76	Yes	Yes
Gannon Building	411 N. Grand Ave.	1975	Yes	Partial
Health and Human Services	515 N. Washington Sq.	2005	Yes	Yes
Herrmann Conference Center	520 N. Capitol Ave.	1893	No	Partial
Early Learning Children's Community	601 N. Washington Sq.	1950	Yes	Yes
Rogers-Carrier House (addition)	528 N. Capitol Ave.	1897	No	Partial
Mackinaw Building	530 N. Capitol Ave.	1962	Yes	Yes
Abel B. Sykes Technology Learning Center	400 N. Capitol Ave.	1998	Yes	Yes
Technical Training Center - West Campus	5708 Cornerstone Dr.	2004	Yes	Yes
West Campus - MTEC	5708 Cornerstone Dr.	2004	Yes	Yes
309 Washington Court Place	309 N. Washington St.	1973	Yes	Yes
University Center	210 W. Shiawassee St.	1906/2007	Yes	Yes
Mason-Jewett Airport	661 Aviation Drive, Mason	1997	Partial	Yes
515 N. Capitol Avenue	515 N. Capitol Avenue	1899	No	No

Table 5

Summary of Facilities Assessment Data – Fall 2025

Building	Facility Category	Yr #1 FY 2026 $4,171,675	Yr #2 FY 2027 $3,430,000	Yr #3 FY 2028 $3,178,000	Yr #4 FY 2029 $3,808,000	Yr #5 FY 2030 $4,000,173	All Yrs GT $18,587,848
AOF Building	Envelope	$62,500	$0	$0	$0	$0	**$62,500**
	Mechanical	$76,500	$85,000	$0	$0	$0	**$161,500**
	Electrical	$52,500	$10,000	$0	$0	$0	**$62,500**
	Architectural	$0	$0	$0	$0	$0	**$0**
	Site Repairs	$0	$0	$0	$0	$0	**$0**
	Roof Repair/Replace	$37,500	$20,000	$0	$0	$0	**$57,500**
AOF Total		**$229,000**	**$115,000**	**$0**	**$0**	**$0**	**$344,000**
Administration	Envelope	$6,250	$0	$10,000	$12,500	$18,125	**$46,875**
	Mechanical	$9,000	$5,000	$10,000	$9,000	$9,000	**$42,000**
	Electrical	$5,250	$0	$0	$0	$0	**$5,250**
	Architectural	$11,500	$10,000	$0	$0	$0	**$21,500**
	Site Repairs	$0	$0	$0	$0	$0	**$0**
	Roof Repair/Replace	$75,000	$0	$0	$0	$0	**$75,000**
ADM Total		**$107,000**	**$15,000**	**$20,000**	**$21,500**	**$27,125**	**$190,625**
Arts & Science	Envelope	$31,250	$0	$0	$0	$0	**$31,250**
	Mechanical	$90,000	$30,000	$45,000	$123,750	$148,500	**$437,250**
	Electrical	$78,750	$20,000	$10,000	$10,500	$12,600	**$131,850**
	Architectural	$0	$0	$0	$0	$0	**$0**
	Site Repairs	$0	$0	$0	$0	$0	**$0**
	Roof Repair/Replace	$75,000	$50,000	$50,000	$137,500	$144,375	**$456,875**
A&S Total		**$275,000**	**$100,000**	**$105,000**	**$271,750**	**$305,475**	**$1,057,225**
DART Auditorium	Envelope	$12,500	$10,000	$30,000	$37,500	$45,000	**$135,000**
	Mechanical	$180,000	$100,000	$50,000	$60,000	$69,000	**$459,000**
	Electrical	$105,000	$100,000	$55,000	$52,250	$52,250	**$364,500**
	Architectural	$0	$0	$0	$0	$0	**$0**
	Site Repairs	$0	$0	$0	$0	$0	**$0**
	Roof Repair/Replace	$800,000	$0	$0	$0	$0	**$800,000**
DART Total		**$1,097,500**	**$210,000**	**$135,000**	**$149,750**	**$166,250**	**$1,758,500**
Early LCC	Envelope	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
	Mechanical	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
	Electrical	**$3,150**	**$3,000**	**$2,500**	**$2,625**	**$2,756**	**$14,031**
	Architectural	**$3,450**	**$3,000**	**$2,500**	**$2,875**	**$3,019**	**$14,844**
	Site Repairs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
	Roof Repair/Replace	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
Early LCC		**$6,600**	**$6,000**	**$5,000**	**$5,500**	**$5,775**	**$28,875**

Table 5 (Continued)

Summary of Facilities Assessment Data – Fall 2025

East Campus	Envelope	$0	$0	$0	$0	$0	**$0**
	Mechanical	$0	$0	$0	$0	$0	**$0**
	Electrical	$3,150	$3,000	$3,000	$3,150	$3,308	**$15,608**
	Architectural	$10,000	$10,000	$10,000	$11,500	$13,225	**$54,725**
	Site Repairs	$0	$0	$0	$0	$0	**$0**
	Roof Repair/Replace	$0	$0	$0	$0	$0	**$0**
East Campus Total		**$13,150**	**$13,000**	**$13,000**	**$14,650**	**$16,533**	**$70,333**
Gannon Building	Envelope	$125,000	$100,000	$0	$0	$0	**$225,000**
	Mechanical	$202,500	$225,000	$300,000	$225,000	$90,000	**$1,042,500**
	Electrical	$84,000	$80,000	$70,000	$73,500	$73,500	**$381,000**
	Architectural	$172,500	$150,000	$75,000	$82,500	$82,500	**$562,500**
	Site Repairs	$0	$0	$0	$0	$0	**$0**
	Roof Repair/Replace	$150,000	$500,000	$100,000	$110,000	$82,500	**$942,500**
Gannon Total		**$734,000**	**$1,055,000**	**$545,000**	**$491,000**	**$328,500**	**$3,153,500**
Huron (Continental)	Envelope				$0	$0	**$0**
	Mechanical	$13,500	$15,000	$0	$0	$0	**$28,500**
	Electrical	$0	$0	$0	$0	$0	**$0**
	Architectural	$57,500	$50,000	$0	$0	$0	**$107,500**
	Site Repairs	$0	$0	$0	$0	$0	**$0**
	Roof Repair/Replace	$7,500	$5,000	$0	$0	$0	**$12,500**
Huron Total		**$78,500**	**$70,000**	**$0**	**$0**	**$0**	**$148,500**
Health & Human Serv	Envelope	$81,250	$0	$50,000	$62,500	$78,125	**$271,875**
	Mechanical	$180,000	$15,000	$40,000	$40,000	$40,000	**$315,000**
	Electrical	$5,250	$10,000	$10,000	$10,500	$11,025	**$46,775**
	Architectural	$0	$0	$0	$0	$0	**$0**
	Site Repairs	$9,000	$0	$0	$0	$0	**$9,000**
	Roof Repair/Replace	$0	$225,000	$125,000	$187,500	$140,625	**$678,125**
HHS Total		**$275,500**	**$250,000**	**$225,000**	**$300,500**	**$269,775**	**$1,320,775**
Herrmann House	Envelope	$1,875	$1,500	$2,500	$3,125	$3,750	**$12,750**
	Mechanical	$1,800	$2,000	$1,000	$900	$990	**$6,690**
	Electrical	$0	$0	$0	$0	$0	**$0**
	Architectural	$11,500	$10,000	$1,500	$1,725	$2,070	**$26,795**
	Site Repairs	$2,250	$2,500	$2,500	$2,250	$2,025	**$11,525**
	Roof Repair/Replace	$750	$500	$500	$750	$375	**$2,875**
HH Total		**$18,175**	**$16,500**	**$8,000**	**$8,750**	**$9,210**	**$60,635**
Mackinaw Building	Envelope	$12,500	$10,000	$5,000	$6,250	$7,813	**$41,563**
	Mechanical	$9,000	$5,000	$5,000	$4,500	$4,050	**$27,550**
	Electrical	$21,000	$20,000	$5,000	$5,250	$5,513	**$56,763**
	Architectural	$11,500	$10,000	$5,000	$5,750	$6,613	**$38,863**
	Site Repairs	$0	$0	$0	$0	$0	**$0**
	Roof Repair/Replace	$15,000	$100,000	$5,000	$7,500	$11,250	**$138,750**
Mackinaw Total		**$69,000**	**$145,000**	**$25,000**	**$29,250**	**$35,238**	**$303,488**

Table 5 (Continued)

Summary of Facilities Assessment Data – Fall 2025

Mason Jewett Field	Envelope	$50,000	$40,000	$25,000	$26,250	$27,563	**$168,813**
	Mechanical	$49,500	$55,000	$75,000	$67,500	$60,750	**$307,750**
	Electrical	$10,500	$0	$75,000	$78,750	$82,688	**$246,938**
	Architectural	$11,500	$10,000	$10,000	$11,500	$13,225	**$56,225**
	Site Repairs	$0	$0	$0	$0	$0	**$0**
	Roof Repair/Replace	$15,000	$150,000	$200,000	$250,000	$312,500	**$927,500**
Mason Jewett Field		**$136,500**	**$255,000**	**$385,000**	**$434,000**	**$496,725**	**$1,707,225**
Parking Structure	Maintenance	$150,000	$175,000	$200,000	$220,000	$242,000	**$987,000**
	Site Repairs	$0	$0	$0	$0	$0	**$0**
	Roof Repair/Replace	$0	$0	$0	$0	$0	**$0**
Parking Struct Total		**$150,000**	**$175,000**	**$200,000**	**$220,000**	**$242,000**	**$987,000**
Rogers-Carrier Hse	Envelope	$0	$0	$0	$0	$0	**$0**
	Mechanical	$2,000	$2,000	$2,000	$1,800	$1,620	**$9,420**
	Electrical	$2,000	$2,000	$2,000	$2,100	$2,205	**$10,305**
	Architectural	$3,000	$3,000	$3,000	$3,450	$3,968	**$16,418**
	Site Repairs	$5,000	$5,000	$5,000	$4,500	$4,050	**$23,550**
	Roof Repair/Replace	$0	$0	$0	$0	$0	**$0**
RCH Total		**$12,000**	**$12,000**	**$12,000**	**$11,850**	**$11,843**	**$59,693**
Site Improvements	All	$150,000	$150,000	$150,000	$150,000	$150,000	**$750,000**
Site Improv Total		**$150,000**	**$150,000**	**$150,000**	**$150,000**	**$150,000**	**$750,000**
Sykes Tech Center	Envelope	$125,000	$100,000	$150,000	$187,500	$206,250	**$768,750**
	Mechanical	$58,500	$65,000	$100,000	$175,000	$183,750	**$582,250**
	Electrical	$52,500	$50,000	$50,000	$80,000	$104,000	**$336,500**
	Architectural	$0	$0	$0	$0	$0	**$0**
	Site Repairs	$0	$0	$0	$0	$0	**$0**
	Roof Repair/Replace	$15,000	$0	$45,000	$67,500	$101,250	**$228,750**
TLC Total		**$251,000**	**$215,000**	**$345,000**	**$510,000**	**$595,250**	**$1,916,250**
University Center	Envelope	$18,750	$0	$75,000	$93,750	$117,188	**$304,688**
	Mechanical	$18,000	$25,000	$45,000	$40,500	$36,450	**$164,950**
	Electrical	$10,500	$25,000	$20,000	$21,000	$22,050	**$98,550**
	Architectural	$5,750	$20,000	$35,000	$40,250	$46,288	**$147,288**
	Site Repairs	$4,500	$0	$0	$0	$0	**$4,500**
	Roof Repair/Replace	$37,500	$150,000	$250,000	$375,000	$468,750	**$1,281,250**
UC Total		**$95,000**	**$220,000**	**$425,000**	**$570,500**	**$690,725**	**$2,001,225**
Washington Court Pl	Envelope	$6,250	$5,000	$10,000	$12,500	$15,625	**$49,375**
	Mechanical	$45,000	$15,000	$25,000	$22,500	$20,250	**$127,750**
	Electrical	$0	$0	$0	$0	$0	**$0**
	Architectural	$0	$0	$0	$0	$0	**$0**
	Site Repairs	$4,500	$5,000	$10,000	$9,000	$8,100	**$36,600**
	Roof Repair/Replace	$0	$0	$0	$0	$0	**$0**
WCP Total		**$55,750**	**$25,000**	**$45,000**	**$44,000**	**$43,975**	**$213,725**

Table 5 (Continued)

Summary of Facilities Assessment Data – Fall 2025

West Campus	Envelope	$37,500	$30,000	$75,000	$82,500	$90,750	**$315,750**
	Mechanical	$225,000	$170,000	$200,000	$180,000	$162,000	**$937,000**
	Electrical	$21,000	$20,000	$45,000	$47,250	$49,613	**$182,863**
	Architectural	$0	$0	$0	$0	$0	**$0**
	Site Repairs	$13,500	$5,000	$7,500	$6,750	$6,075	**$38,825**
	Roof Repair/Replace	$112,500	$150,000	$200,000	$250,000	$287,500	**$1,000,000**
West Campus Total		**$409,500**	**$375,000**	**$527,500**	**$566,500**	**$595,938**	**$2,474,438**
505 Capitol Ave	Envelope	$0	$0	$0	$0	$0	**$0**
	Mechanical	$0	$0	$0	$0	$0	**$0**
	Electrical	$0	$0	$0	$0	$0	**$0**
	Architectural	$0	$0	$0	$0	$0	**$0**
	Site Repairs	$0	$0	$0	$0	$0	**$0**
	Roof Repair/Replace	$0	$0	$0	$0	$0	**$0**
505 Cap Ave Total		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
515 Capitol Ave	Envelope	$6,250	$5,000	$5,000	$6,250	$7,813	**$30,313**
	Mechanical	$0	$0	$0	$0	$0	**$0**
	Electrical	$0	$0	$0	$0	$0	**$0**
	Architectural	$0	$0	$0	$0	$0	**$0**
	Site Repairs	$2,250	$2,500	$2,500	$2,250	$2,025	**$11,525**
	Roof Repair/Replace	$0	$0	$0	$0	$0	**$0**
515 Cap Ave Total		**$8,500**	**$7,500**	**$7,500**	**$8,500**	**$9,838**	**$41,838**

Implementation Plan

Capital projects are necessary to transform the student experience into dynamic teaching, learning, and support environments, positioning LCC as a leader in community college education. Campus facilities must also be maintained to avoid deferred maintenance costs and mitigate the likelihood of material operational disruptions.

In July 2023, LCC embarked on its next Campus Master Plan (CMP), partnering with Colliers Engineering & Design (previously Bergmann Architects, Engineers, & Planners) and JMZ Architects & Planners. The CMP was developed in alignment with the Strategic Plan, Academic Master Plan, and Federal Agenda. It was approved by LCC's Board of Trustees in November 2024.

FY2027 CAPITAL OUTLAY PROJECT REQUEST

Establishing a dedicated Utility and Energy Training Center will significantly elevate the training capabilities of Lansing Community College's West Campus Technical Careers Division. This center will feature four specialized labs for power generation, underground splicing, and both indoor and outdoor pole climbing arenas, providing essential hands-on experience for our students. The facility will include four classrooms to support academic instruction and office spaces for faculty and staff, ensuring robust educational and administrative functions. Additionally, meeting spaces will be available for collaborative discussions and professional gatherings. Essential amenities will encompass restrooms, a robust electricity and power supply, a carport for two digger derricks and four bucket trucks, and cold storage for equipment and supplies. Safety is a top priority in the climbing area, with padded flooring and proper anchoring for structures, ensuring students receive the highest quality training and practical experience in the utility energy field.

The Utility Energy Training Center will support the growth of energy-intensive programs like Electrical Technology and Utility Linework by providing additional power for equipment and tools. It will enable the development and launch of new clean energy programs such as Renewable Energy, Power Generation, Electric Vehicle (EV) technology, and Avionics, all of which require substantial power resources. Upgrading and expanding laboratory and workshop spaces will ensure they have adequate power to support advanced machinery and technology. Enhancing campus infrastructure by powering new buildings or upgrading existing ones will make the buildings more energy-efficient and capable of supporting future growth for the Technical Careers programs.

Sustainable practices will be implemented, such as installing electric vehicle charging stations, creating a smart grid for energy management, and supporting renewable energy projects like solar panels or wind turbines. Collaborating with local industries and community partners will provide training and development programs that require substantial power, thereby fostering

stronger community relations and workforce development. Establishing a center focused on energy technology and innovation will provide students and faculty with the resources to conduct cutting-edge research. Additionally, ensuring reliable backup power for critical facilities and operations will minimize disruptions during power outages and enhance overall campus resilience.

This comprehensive setup will ensure that our students receive the highest-quality training and practical experience in the utility energy field. It will significantly enhance our educational offerings and support the college's broader goals of sustainability, community engagement, and innovation.

PROJECTED CAPITAL PROJECTS

The following projects have been vetted by LCC's Space Management Review Team (SMRT) and approved by the President for design development in preparation to be submitted to the Board through the college's capital project request process. SMRT consists of the Provost, Senior V.P. of Business Operations, Associate Vice President of External Affairs & Development & K-12 Operations, Chief Financial Officer, Executive Director of Administrative Services, and Director of Facilities. The costs below represent rough estimates based on historical square foot costs for similar projects/facilities. Director Martz and his team will not have a refined cost estimate for each project until the College and the architectural and engineering (A&E) design teams have reached construction drawings, which is the last step before bidding a project.

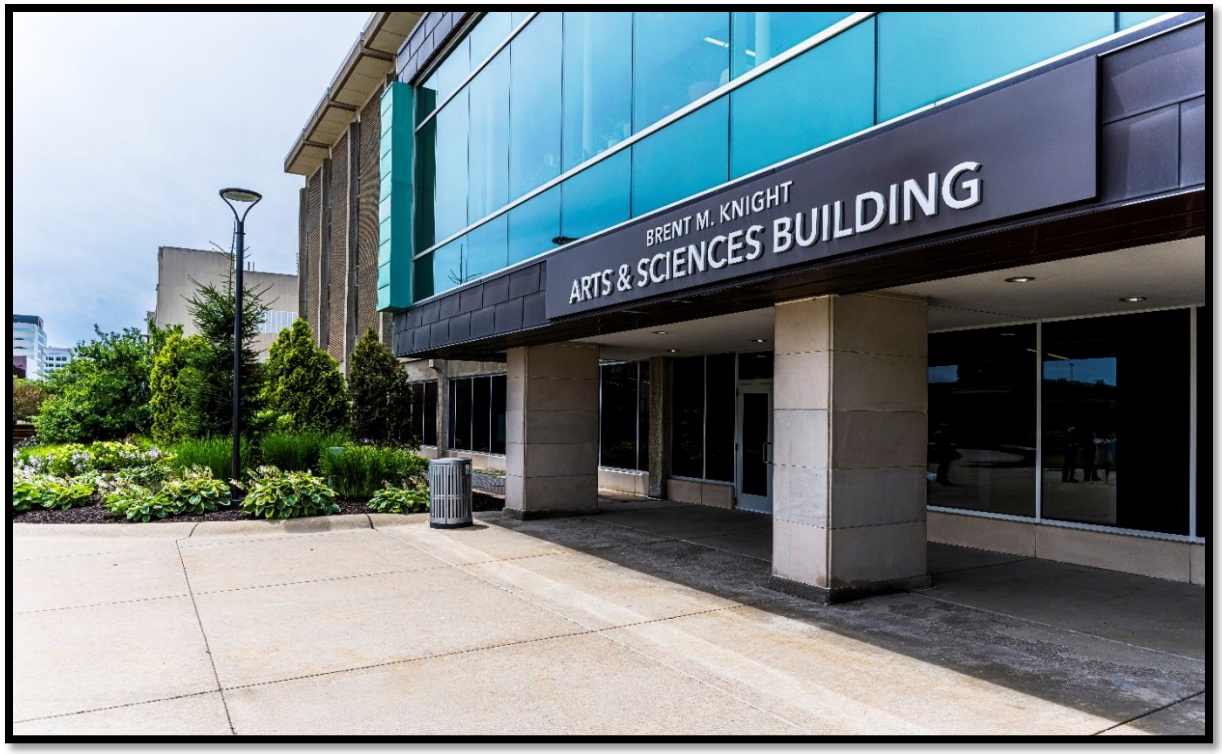
Projected Projects 2026 - 2030

- Energy and Utility Training Center – Est. $8,850,000
- Simulation Center, Downtown Campus, Health and Human Services Building – Est. $6,000,000
- Arts & Science Chemistry Ventilation Hood Replacement – Est. $1,300,000
- Mason Airport Hangar Expansion and Renovation – Est. $10,000,000

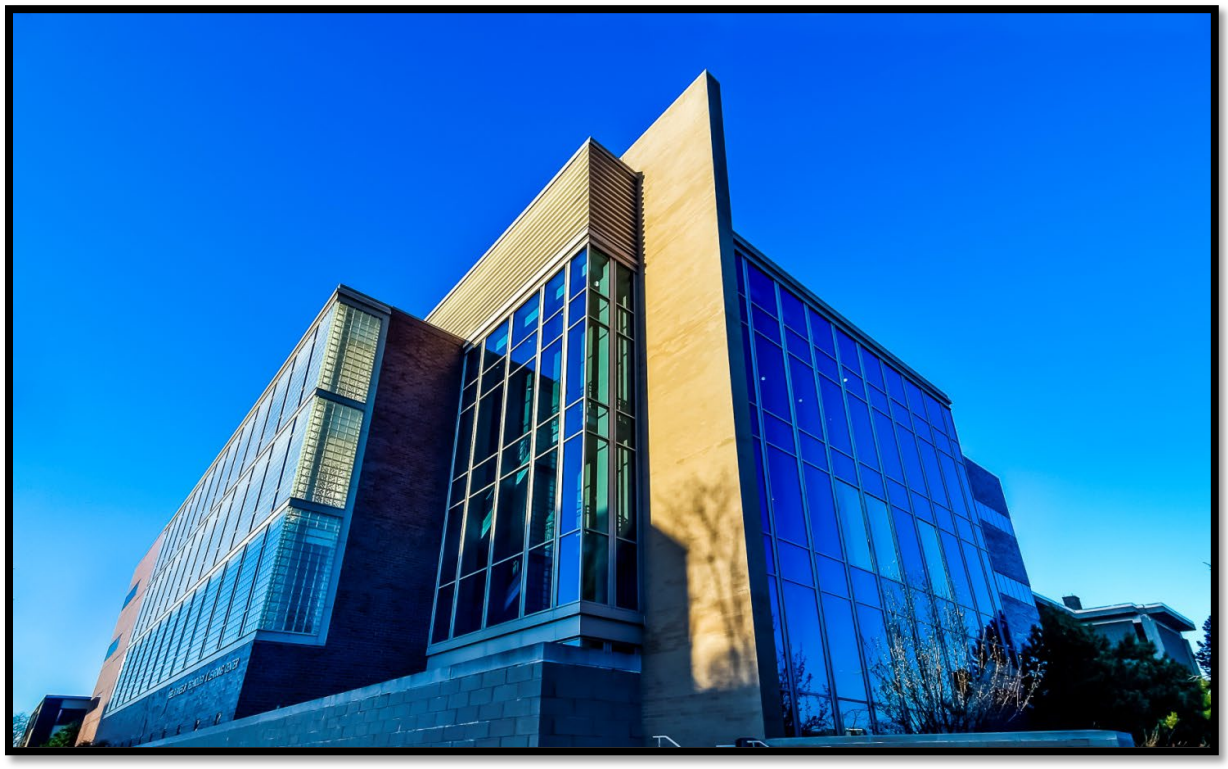
Appendix A
Photos of
Campus Buildings

AOF - Academic Office Facility

ADM - Administration Building



A&S – Brent M. Knight Arts and Sciences Building



TLC – Abel B. Sykes, Jr. Technology Learning Center

HHS - Health and Human Services Building

DRT - Dart Auditorium

LCC – Early Learning Children's Community

WCP – Washington Court Place

GB - Gannon Building

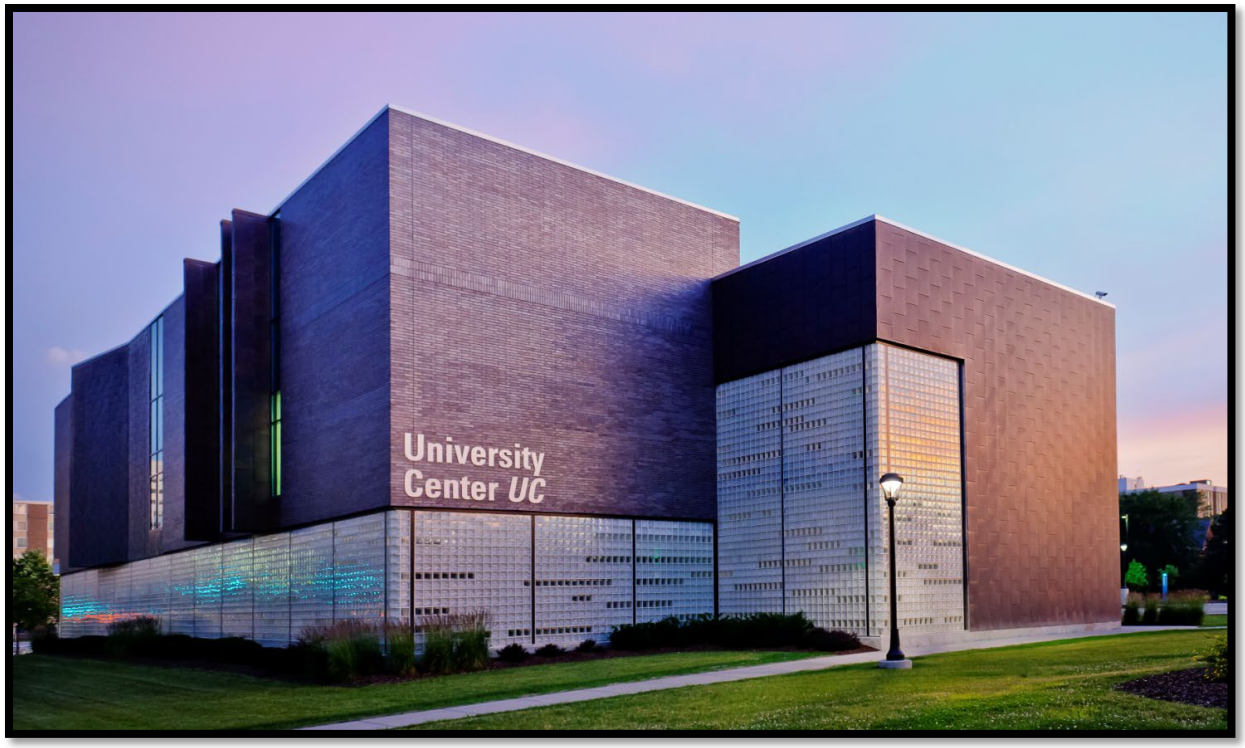
Gannon Parking Ramp

H-Herrmann House/Shigematsu Memorial Garden

RCH - Rogers Carrier House

MB – Mackinaw Building

HB – Huron Building



UC - University Center

505 N. Capitol Avenue

515 N. Capitol Avenue

WC – West Campus

MAC – Mason Aviation Center

Appendix B

Information Technology Strategic Plan/ Master Plan

Information Technology Strategic Plan/Master Plan

Updated July 2025

The Lansing Community College Board of Trustees adopted the College's Strategic Plan with the following four goals:

1. Achieving Academic Excellence with Purpose & Equity
2. Foster Student Enrollment, Retention and Completion
3. Strengthening Community Engagement and Partnerships
4. Establishing LCC as a Premier Workplace through Empowerment, Engagement, and Inclusion

Achievement of these goals requires the availability of a robust and reliable information technology foundation to support the variety of initiatives underway and planned for the future. The Information Technology Services Division is committed to providing and supporting this foundation and to working collaboratively with the College community to create a technology environment supportive of the College's teaching and learning mission.

Infrastructure

- Reliable, available, and ubiquitous wired and wireless network/internet access
- Bandwidth to support convergence of voice, data, and video across the network
- Capability and plans for facility disaster recovery
- Minimize energy and hardware costs through server and desktop virtualization technologies
- Define and provide support for mobile devices and BYOD (Bring Your Own Device)
- Eliminate or reduce barriers that exist for student access to technology
- Replace/upgrade information technology and media equipment per a defined lifecycle
- Manage software licenses both on premise and cloud-based

Classroom Technology

- Through collaboration with faculty and students, define and maintain standard classroom configurations
- Collaborate with faculty to identify and implement innovative technologies that support the teaching and learning mission of the College through a technology "sandbox" facility
- Implement and support lecture capture capabilities to enhance the teaching and learning mission of the College

Security

- Through collaboration with staff and students, implement cost effective solutions that establish a defensible, risk-based security environment that complies with Board Policies, laws, regulations, and other agency requirements
- Provide early identification and mitigation of activity, weaknesses, vulnerabilities, and threats that pose a risk to the College
- Support appropriate use of diverse desktop and mobile device computing technologies through security awareness, policies, and controls
- Employ strong identity management capabilities
- Conduct ongoing security and risk assessments
- Protect confidential data at rest, in motion and at destruction
- Maintain an effective information security awareness program

Enterprise Applications

- Support the College's ERP system and apply upgrades to stay current
- Investigate and implement unused features and functions within the Banner ERP System to improve the application's effectiveness in supporting College operations
- Implement secure interfaces and integration with other applications
- Provide appropriate support of all other enterprise class applications
- Develop and implement standards and processes to ensure all systems, forms, websites, and instructional materials are accessible to all students and employees

Support Services

- Provide instruction and support for the use of classroom technology
- Provide audio/visual/production support for the College's media technologies and other campus events
- Provide high quality/responsive Help Desk services and an expanded self-service online Knowledge Base
- Maintain and provide support for compliance with the College's approved Records Retention and Disposal Schedules

Governance

- Partner and work closely with the College's Project Management Review Team to establish project priorities and to effectively allocate resources
- Provide consulting services related to hardware and software purchases and vendor provided solutions to campus partners
- Develop clear policies, standards and guidelines related to information technology use
- Encourage professional growth and skill development of the IT staff

- Fund IT through wise stewardship, vendor management, process redesign and planned cyclical replacement processes
- Seek and pursue alternative sourcing opportunities that maintain quality and reduce cost of delivery
- Move toward campus-wide software solutions to lower costs, increase ability to manage data and connections securely, increase collaboration, and increase consistency in services
- Utilizing the College's service/project management software solution:
    - Develop and implement a project management methodology that supports effective communication, tracking, prioritization, and completion of information technology projects
    - Implement a service management solution that supports continuous improvement in the areas of request, incident, problem, and change management
- Partner with College divisions in technology adoption and digital transformation of existing processes.

Fiscal Year 2027
Capital Outlay Project Request

Institution Name: Lansing Community College

Project Title: Energy and Utility Training Center

Project Focus: Academic

Type of Project: New Construction

Program Focus of Occupants: Training students to meet Michigan's industry demand for utility and energy system workers

Approximate Square Footage: 11,000

Total Estimated Cost: $8,850,000

Estimated Start/Completion Dates: October 2027/December 2028

Is the Five-Year Plan posted on the institution's public internet site? Yes

Is the requested project the top priority in the Five-Year Capital Outlay Plan? Yes

Is the requested project focused on a single, stand-alone facility? Yes

Project Purpose

Lansing Community College's (LCC) Technical Careers (TC) Division is requesting funding to create a new Energy and Utility Training Center for our electrical department in our pole yard area, as well as increasing the power supply to West Campus. The demand for training in the Utility and Energy Systems Department has surpassed the capacity of our current training facility and classroom/lab space. In the past five years, the number of students enrolled in the Lineworker Program has increased by 29.27% and the number of classrooms available in our current space is not able to accommodate the current demand by potential and current students for our high wage high demand technical career programs.

Using a design process that involves program faculty, LCC's Facilities Department, and an architectural design company, the newly constructed building will not only provide a significant infrastructure upgrade for our lineworker program but also will relieve some space constraints in the main building on the west campus. The new building will allow some of the electrical classes currently housed in the main building to be shifted to the new building, thus opening up space for future enrollment growth and innovation in commercial and residential energy industries. This new building will allow not only the expansion of our electrical program but also growth in underground wire splicing and alternative energy. The newly open space in the main west campus building will allow for growth in high-demand fields such as clean energy, power generation, electric vehicles, and avionics.

Due to current space and electrical constraints at the West Campus, LCC is unable to meet the expanding workforce demands for our Electrical Apprenticeship, Utility Linework, and Electrical Technology programs. This limitation will be exacerbated when we introduce new clean energy certificates such as Power Generation, Electrical Vehicle (EV), and Avionics, which are essential to align with Michigan's state goals and workforce needs. Moreover, if insufficient seating and sections prevent

students from enrolling in required classes, we jeopardize our partnership with Consumer's Energy's school-to-work program, a shortfall that could mean not adequately preparing enough students to meet Consumer's Energy's workforce requirements.

Scope of Project

To enhance the training capabilities of the LCC TC Division, we propose establishing a dedicated Utility Energy Training Center. This center will feature four specialized labs for power generation, underground splicing, and both indoor and outdoor pole climbing arenas, providing hands-on experience crucial for our students. The facility will include four classrooms to accommodate academic instruction, as well as office spaces for faculty and staff to support educational and administrative functions. Meeting spaces will be available for collaborative discussions and professional gatherings. Essential amenities will include restrooms, a robust electricity and power supply, a carport for two digger derricks and four bucket trucks, and cold storage for equipment and supplies. Safety will be a top priority in the climbing area. This comprehensive setup will ensure that our students receive the highest quality training and practical experience in the utility energy field.

The Energy and Utility Training Center represents a significant advancement for the Utility and Energy Systems Department, which is poised to enhance its educational offerings across various pathways, including important new programs. Expanded lab facilities will cater to a growing student body each semester, bolstering education in power generation, automation, manufacturing, solar panel installation technology, electric vehicles, avionics, and pre-apprentice lineworkers. Located at LCC's West Campus, the new facility is designed to meet current program and ever-changing energy workforce demands.

Program Focus of Occupants

A dedicated electrical department facility and additional power supply will address the following high-priority student and college needs:

- Expand Existing Programs: Support the growth of energy-intensive programs like Electrical Technology and Utility Linework by providing additional power for equipment and tools.

- Introduce New Programs: Develop and launch new clean energy programs such as Renewable Energy, Power Generation, Electric Vehicle (EV) technology, and Avionics, which require substantial power resources.

- Enhance Facilities: Upgrade and expand laboratory and workshop spaces, ensuring they have adequate power to support advanced machinery and technology.

- Improve Infrastructure: Enhance campus infrastructure by powering new buildings or upgrading existing ones to be more energy-efficient and capable of supporting future growth.

- Sustainability Initiatives: Implement sustainable practices such as installing electric vehicle charging stations, creating a smart grid for energy management, and supporting renewable energy projects like solar panels or wind turbines.

- Increase Community Partnerships: Collaborate with local industries and community partners to provide training and development programs that require substantial power, thereby fostering stronger community relations and workforce development.

- Increase Innovation: Establish a center focused on energy technology and innovation, providing students and faculty with the resources to conduct cutting-edge research.

- Backup Power Supply: Ensure reliable backup power for critical facilities and operations, minimizing disruptions during power outages and enhancing overall campus resilience.

What is a Lineworker's job responsibilities?	
Lineworkers are essential workers in the electrical utility industry responsible for installing, maintaining, and repairing electrical power systems. Examples of primary tasks and responsibilities are:	
✓ *Install and maintain electrical power systems, including power lines, poles, towers, and underground systems.*	✓ *Repair power outages caused by storms, accidents, or other issues. Lineworkers respond quickly to identify and repair faults in the power distribution system.*
✓ *Upgrading infrastructure*	✓ *Troubleshooting*
✓ *Ensuring Safety*	✓ *Emergency response*
Overall, utility lineworkers play a vital role in ensuring that homes, businesses, and communities have access to reliable electrical power. Their work requires technical expertise, physical stamina, and a commitment to safety and service.	

LCC is only one of four schools in Michigan that offers programs in pre-apprentice linework. Students complete core classes in worksite safety, energy industry fundamentals I & II, practical electricity concepts, electrical mathematics basics, and utility prints and diagrams. They are held to exceptionally high standards regarding their work ethic, attitude, and punctuality and work closely with staff to develop their soft skills. At LCC, fostering the character of a lineworker is just as important as developing their technical skills.

In addition to the classroom instruction, line worker students at LCC receive hands-on training in Basic Electric Line Climbing to learn how to be a Ground/Utility Worker or an Energized Secondary Worker. Key practices in each work include freestyle and buck climbing techniques, understanding all fall restraint equipment, and tying basic knots. Students must also perform secondary "Hurtman Rescue" operations on injured workers.

Training includes the operation and maintenance of forestry equipment such as chain saws, pole saws, and hand saws, as well as the operation and setup of digger derricks. Students also learn to prepare transformers for installation and to use proper techniques to rescue an incapacitated worker from an aerial lift device. By the end of the program, they will be proficient in grounding and barricading techniques for aerial lifts and digger derricks and understand proper line construction principles, including correctly installing equipment and completing quality splices, terminations, and supports. Additionally, they can demonstrate industry-accepted safe work procedures while working on energized 120/240-volt secondary lines with rubber personal protective equipment.

Upon completion of the 13-month program, students earn their OSHA 30 Certificate, CPR/First Aid Training Certificate, Energy Industry Fundamentals Certificate, Aerial Bucket Operation Certificate, and Digger Derrick Operation Certificate. They also complete 300 lab hours climbing, performing groundworker duties, installing and labeling primary and secondary URD cables, and working energized lines. Lansing Community College's pre-apprentice program is approved by the American Line Builders Apprenticeship Training Center (ALBAT).

The demand for line work apprentices and journey workers contributes significantly to the high level of interest in the college's program. Prospective students recognize the substantial employment opportunities in the industry and understand that successfully completing the program is essential for securing employment. In recent years, the number of individuals seeking tours and pre-admission interviews has markedly increased.

Throughout 2024, we received several hundred inquiries about our linework program, resulting in 80 accepted applicants for the 2025 class. At full capacity, we can offer 98 seats for Practical Electricity (ELTE 110) in the fall semester, with fewer seats available in the spring. With the majority of the seats held for the lineworker program, there is limited seat availability for students in other programs to take this key required course. The end result of this capacity issue is the loss of students entering into any electrical profession and the loss of potential workers needed to meet regional workforce needs.

The high demand for classes and labs for lineworker students and apprentices does not account for the classroom and lab space needed for our electrical technology students. On average, 117 students are enrolled in our various pathways and degrees and use these electrical classes. Other programs also use electrical courses in the foundation of their programs. These programs are Welding, HVAC, Mechatronics, and Construction Management, some of which are going through expansion. Our electrical courses are stretched to the maximum resources, equipment, and staff to accommodate our growing program. For this reason, we are limited in how many classes are offered and have waiting lists

for multiple electrical courses. We are also seeing a demand for summer classes to keep up with student needs.

ADDITIONAL INFORMATION

How does the project support Michigan's talent enhancement, job creation and economic growth initiatives on a local, regional and/or statewide basis?

Michigan is making significant strides in clean energy investments and job creation with initiatives like the MI Healthy Climate Plan signed by Governor Gretchen Whitmer and newly enacted clean energy legislation. These efforts position the state as a frontrunner in clean energy, aiming to achieve 100% clean energy by 2040. The initiatives are projected to generate thousands of jobs and reduce costs for families and businesses. Clean energy employment in Michigan grew nearly twice as fast as the overall economy in 2022, a trend expected to continue with federal programs promoting clean energy and vehicle advancements. By 2040, Michigan could potentially create 41,000 new jobs through advancements in electric vehicle manufacturing and expansion of renewable energy sources such as solar and wind, according to the World Resource Institute.

The Michigan Economic Development Corporation states that clean energy is one of the fastest-growing industries in the U.S. Michigan is poised to become a major force, leading the nation for climate change and for energy-sector job growth, with over 167,000 new clean energy jobs projected nationwide over the next decade. LCC is helping to meet this demand by providing skilled pre-apprentice training, expanding the power generation program, and adding Avionics and Electrical Vehicle programs. These jobs require specialized knowledge and training that is just becoming available as the industry evolves rapidly.

According to Lightcast, a nationally recognized labor analytics firm, the employment of solar panel installers is specifically seeing an increase in job availability. While currently lower than the national average, the employment for power generation careers such as solar panel installers is projected to grow by 48% in the Michigan area in the next ten years. In the past 18 months, the hiring in this field exceeded the jobs that are posted. Companies such as DTE Energy, which is one of our industry partners, are looking for employees who can be solar technicians and solar installers.

In addition, Lightcast reports that the need for electric lineworkers and installers will see a steady upward trajectory in the next ten years. This field will see a projected increase of 10.7%, exceeding the national average by 4%. Michigan has a median starting wage of $ 44.50/hr. Here at LCC, with growth predicted at 12% in the next ten years, the educational instruction pathway has already started to include and implement the skills listed as rapidly growing, as mentioned by Lightcast, as future industry needs. Instruction in working with capacitors, telecommunications, and especially pole climbing will ensure our students have the skills to be employable in these rapidly growing and changing careers.

The need for clean energy and utility jobs has continued to grow over the last 18 months. The average monthly hires for lineworkers, telecommunications installers, solar panel installers, and wind turbine

service technicians have exceeded job postings by 50%. According to the Bureau of Labor Statistics, projections over the next ten years for power generation jobs alone will increase by over 60%

Continuing to support energy and utility programs and careers is crucial due to anticipated attrition from retirements. In the next ten years, 40-50% of the workforce in these fields is expected to retire, creating a significant employment gap that may greatly surpass current projections.

LCC's Utility and Energy Systems Department offers four associate degrees and nine certificate programs. With the addition of Electrical Vehicle and Avionics Programs and Underground Splicing Training, LCC would be able to help train students to send into the growing energy careers in Michigan. Until this project is approved and completed, we are limited in the number of students we can serve and, therefore, the number of students entering the workforce.

LCC Degree/Certificate	Potential Jobs/Careers
Electrical Technology, AAS	Industrial and Commercial Electricians Machine Controls Technicians and Engineers Electrical Machine Designers and Builders Industrial Shop Maintenance Robotics and Automation Technicians Solar Panel Installation Alternative Energy Installation Installation/Maintenance of Traditional Electrical Systems
Control Panel Wiring, CC	
Electrical Machine Controls, CC	
Electrical Tech, Construction, CA	
Electrical Technology, Control/Maintenance, CA	
Electrical Wiring, CC	
Energy Industry Fundamentals, CC	
Utility Lineworker, AAS	Line Apprenticeship, Substation Apprenticeship, Groundman Lineman, Cable Installation, Fiber Optic Splicing, Tree Trimming

Utility Lineworker, C.A.	
Customer Energy Specialist, AAS	Electrical Utilities Customer Service, Office Operations/Management, Project Planning, Community Outreach
Customer Energy Specialist, CA	
Inside Wireman Apprenticeship, AAS	Commercial and Industrial Electricians
Electrical Apprenticeship, CA	

How does the project enhance the core academic, development of critical skill degrees, and/or research mission of the institution?

The Utility Lineworker Program does not yet possess the operational instructional amenities vital for effective training delivery. Constructing a robust, electrically equipped facility with an indoor pole yard, energized lines, and lab/classroom space is aligned with Lansing Community College's Strategic Plan 2025-2027 emphasizing:

Achieving Academic Excellence with Purpose and Equity - At the heart of our mission is the commitment to foster academic excellence and to ensure workplace readiness for our students. This dual focus is essential in preparing our students for both immediate success and long-term career sustainability.

Foster Student Enrollment, Retention and Completion - This commitment is operationalized through strategic initiatives focused on streamlining onboarding processes, ensuring a supportive and engaging educational journey that empowers every student, and strengthens student retention.

Strengthening Community Engagement and Partnerships - Through strategic alignment with workforce needs and the development of responsive, community-focused programming, we aim to contribute significantly to the educational and economic development of our region and diverse population we serve.

Establishing LCC as a Premier Workplace through Empowerment Engagement, and Inclusion - This goal seeks to cultivate a supportive and inclusive environment where every employee has the opportunity to thrive.

LCC is dedicated to supporting its students in successfully achieving their academic goals. Establishing a comprehensive facility with integrated electrical and plumbing systems will:

- Provide a safe year-round instructional environment, offering consistent lab/classroom space and uninterrupted training at the pole yard, thus eliminating the need to return to the main building.
- Remove barriers and enhance support systems for students throughout their academic journey, from admission to graduation.
- Ensure ongoing quality enhancement of programs and courses.

By establishing a fully operational building in the pole yard, the energy and utility programs can showcase their offerings beyond traditional fieldwork, ensuring that LCC is positioned as a leading community college for energy and utility careers statewide.

Is the requested project focused on a single, stand-alone facility? If no, please explain. Yes

How does the project support investment in or adaptive re-purposing of existing facilities and infrastructure? N/A

Does the project address or mitigate any current life/safety deficiencies relative to existing facilities? If yes, please explain. N/A

How does the institution measure utilization of its existing facilities, and how does it compare relative to established benchmarks for educational facilities? How does the project help to improve the utilization of existing space and infrastructure, or conversely how does current utilization support the need for additional space and infrastructure?

During academic program development, the utilization of existing facilities is a major consideration. The importance of this assessment is demonstrated by the Campus Master Plan and is discussed in the Facilities, Uses, Needs, and Challenges section for each Academic Division. The newly developed ten-year Campus Master Plan was approved by the LCC Board of Trustees in the fall of 2024. This plan used a consultant to review educational benchmarks for classroom and office space, enrollment trends, studied our space and building utilization, and investigated space needs for key programming

opportunities for future growth. The Energy and Utility Center was included in the plan. Also, LCC uses the Michigan Postsecondary Data Inventory (MPDI) and Michigan Community College Data Inventory (MCCDI) to compare relevant measures to other similar-sized institutions within the state of Michigan.

Room utilization for all classrooms and labs is tracked on a semester basis. Data is reported to academic areas to assist in program offerings and filling wait-listed classes. Student credit hours per semester, full vs. part-time seats, and student count on a semester basis are used as a benchmark by the academic disciplines to determine additional facility needs.

In regards to the new Energy and Utility Center, working with programming and space planning consultants, the college will design a building that maximizes the student space to allow additional programming from the main West Campus building to move into this space. This reorganization will allow other areas that are ready to grow new technologies the space they need.

How does the Institution intend to integrate sustainable design principles to enhance the efficiency and operations of the facility?

The College intends to apply LEED (Leadership in Energy and Environmental Design) sustainability principles throughout the design, construction, and operation of the facility. Specifically, the design of the building will incorporate low-flow water fixtures, high-efficiency heating and cooling systems, LED lighting fixtures inside and out, and optimize the use of natural light. Operationally, the facility's energy efficiency will be enhanced using occupancy sensors throughout the building, reducing utility demand whenever rooms are not in use. In addition, this facility will be incorporated into the College's green cleaning and recycling programs.

Are match resources currently available for the project? If yes, what is the source of the match resources? If no, identify the intended source and the estimated timeline for securing said resources.

If the project is funded, the college will identify, within 30 days, existing financial resources to provide the required 50% match.

If authorized for construction, the state typically provides a maximum of 75% of the total cost for university projects and 50% of the total cost for community college projects. Does the institution intend to commit additional resources that would reduce the state share from the amounts indicated? If so, by what amount?

The college will provide the required 50% match for the project. It is the college's intention to keep the total project costs within the approved project budget, with the college and the state each providing 50% of the total project costs.

Will the completed project increase operating costs to the institution? If yes, please provide an estimated cost (annually, and over a five-year period) and indicate whether the institution has identified available funds to support the additional cost.

The college estimates annual operating expenses to be $30,000, with five-year costs of $150,000 funded from the institution's General Fund.

What impact, if any, will the project have on tuition costs?

Since it is the college's intention to provide the 50% match from existing financial resources, there should be no impact on the college's tuition rates. Also, as stated above, any additional operating expenses will be accommodated in the college's General Fund annual budget.

If this project is not authorized, what are the impacts to the institution and its students?

If the approval for a new Energy and Utility Training Center is not authorized, the institution and its students will face several significant impacts:

Limited Capacity: Due to physical space constraints, the number of classes and labs available will remain insufficient to meet the growing demand. This will result in longer waiting lists and fewer opportunities for students to enroll in necessary courses.

Resource Strain: Existing resources, equipment, and staff will continue to be stretched to their limits, potentially compromising the quality of education and training provided.

Reduced Enrollment: Potential students may seek training elsewhere due to limited availability, leading to a decrease in overall enrollment and a potential loss of revenue for the institution.

Delayed Graduations: Current students may experience delays in completing their programs due to the inability to enroll in required classes on time, impacting their career timelines and job prospects.

Unmet Industry Needs: The local energy and utility sectors will face a shortfall of skilled workers, as the institution will be unable to produce graduates at the necessary rate to fill the employment gaps created by retirements and industry growth.

Stagnant Program Development: The institution will struggle to expand and develop its programs to stay current with industry advancements, potentially leading to outdated training and less competitive graduates.

Increased Pressure on Other Programs: As electrical technology classes are also utilized by other expanding programs like Welding, HVAC, Mechatronics, and Construction Management, the strain on these programs will intensify, further limiting the institution's ability to meet the educational needs of its students.

Electrical Apprenticeship Program
The restricted availability of our lab/classrooms is placing a strain on our apprenticeship program, which will inevitably negatively impact our relationship with industry partners. Currently, we have at least one active apprentice with 54 Michigan companies and 209 total active apprentices. Over 75% of our active apprentices are required to take the Practical Electricity class and lab. If we continue to have to push the apprentice class options to later semesters, we will lose the relationships we have with companies like the Lansing Board of Water and Light (BWL), General Motors (GM), Bekum, Mahle Engine Components, Meridian Magnesium, and Tenneco.

Lineworker Program
Without electricity in our current outdoor training facility and approval for this project, we will be unable to meet the workforce demand for the State of Michigan, jeopardizing our school-to-work program with Consumers Energy and all industry partner relationships. Without electricity, our students cannot be exposed to live and energized 120/240-volt scenarios they will encounter in the initial stages of their apprenticeship.

As our program continues to grow, we will not be able to meet our physical space needs and, therefore, will be forced to cut the number of students accepted into the program by half. This reduction will also lead to a 50% decrease in revenue for the college from tuition and fees. Consequently, we face the risk of losing potential students to other community colleges offering school-to-work programs. To maintain our position as the preferred choice for pre-apprentice training, it is crucial that we provide facilities such as an indoor climb yard, substation, underground splicing training areas, and additional lab and classroom space.

With the approval of this project, LCC's Energy Center can provide the competitiveness and engaged learning that the Strategic Plan is committed to providing. A plan that will offer hands-on training and real-world experience to prepare our students for immediate employment successfully.

What alternatives to this project were considered? Why is the requested project preferable to those alternatives?
Solar panels, initially considered a temporary solution funded by Perkins, have now become an unavailable option.