



LANSING COMMUNITY COLLEGE

Five Year Capital Outlay Plan

October 2024

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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.

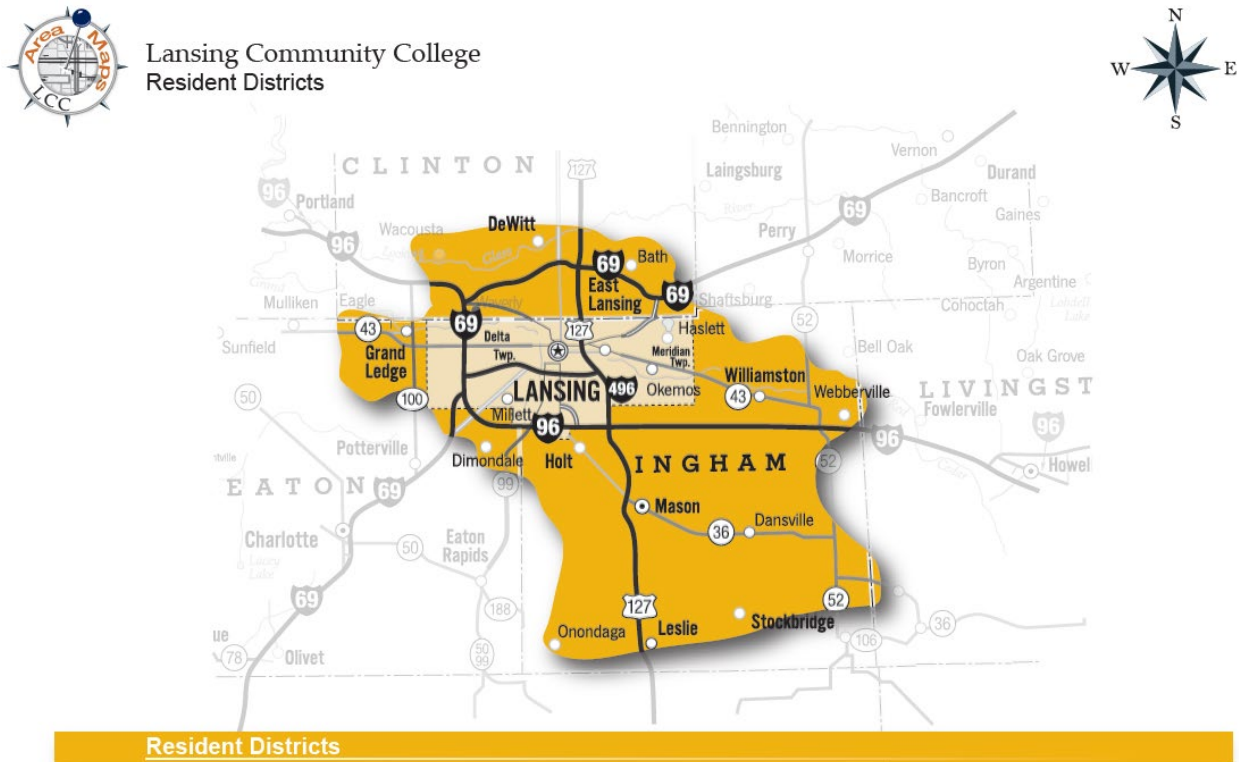
The College currently enrolls a headcount of 13,000 students yearly and has over 650 full-time staff and more than 1,000 part-time staff and faculty. The College offers classes year-round in a three-semester curriculum. The College offers over 200 degree and certificate programs and over 1,000 courses 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, the College operates the East Campus in East Lansing, the Livingston Center at Parker Campus in Howell, 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 is scheduled to be completed and approved by LCC's Board of Trustees in October 2024.

Figure 1-1: Lansing Community College Resident Districts



Mission Statement & Strategic Plan 2021-2024

Vision

Serving the learning needs of a changing community.

Mission

Lansing Community College provides high-quality education ensuring that all students successfully complete their educational goals while developing life skills necessary for them to enrich and support themselves, their families, and their community as engaged global citizens.

Motto

Where Success Begins

Focus Area 1 - Engaged Learning & Student Success

- Goals
 - Engaged learning at LCC means students experience an excellent, quality education for every mode of instruction, wherein students are active participants in defining and meeting their personal, educational, and career goals. Engaged learning also means faculty and students are actively involved in using all the resources available inside and outside of the classroom. Through this experience, students learn how to connect their education to their career objectives.
 - LCC is committed to supporting the students it serves in successfully completing their individual goals. Student success is defined in a number of different ways, including utilization of campus resources, skill development, retention, persistence, academic completion, transfer, and career readiness or enhancement. Embracing diversity of thought and being is an essential element in achieving student success.
- Strategic Objectives
 - Identify and reduce equity gaps in general education courses and between educational delivery modes
 - Remove barriers and improve systems for students as they move through the “lifecycle” from admission to completion

Focus Area 2 - Leadership, Culture & Communication

- Goals
 - Leadership means LCC will continue to be a nationally recognized, award-winning institution of higher learning that recognizes our employees as our most valuable resource and produces thought leaders who positively influence our diverse student and community populations
 - Culture means LCC will foster a learning and working environment that embraces diversity, equity, inclusion, collaboration, transparency and continuous improvement
 - Communication means LCC endeavors to be a transparent institution with an effective, two-way flow of relevant and timely information with our employees, students and community
- Strategic Objectives
 - Increase engagement and tracking of professional development activities among all employment categories and demographics
 - Develop a collegewide process for continuous improvement of non-academic areas
 - Improve employee satisfaction and engagement

Focus Area 3 - Diversity, Equity and Inclusion

- Goals
 - LCC will embed diversity, equity and inclusion (DEI) principles into all collegewide operations, practices and procedures
 - Diversity refers to the variety of human differences and personal experiences, values and worldviews that arise from cultural and circumstance differences
 - Equity refers to the ongoing practice of recognizing and eliminating barriers and bias within procedures, processes and distribution of resources in the structure of system. To be effective, equity should involve the distribution of resources according to the needs of the recipients
 - Inclusion refers to the act of creating safe and welcoming environments in which every person feels invited, accepted, respected, supported and valued to participate fully. Inclusion demonstrates respect in words and actions, such that everyone can be included or be made part of something

- Strategic Objectives
 - Increase global cultural awareness, knowledge of DEI concepts, and understanding of individuals with disabilities
 - Increase student, employee and community engagement in DEI programming
 - Enhance the diversity of our workforce and student body

Focus Area 4 - Community Engagement

- Goals
 - LCC will continue to build and enhance mutually beneficial relationships with city officials and agencies, neighborhood organizations, local business associations, business and industries, other educational institutions, the faith-based community, and many others on a broad range of issues of mutual interest to the community and the college
- Strategic Objectives
 - 100% of public high schools within Shiawassee, Livingston, Ingham, Ionia, Clinton and Eaton counties (also known as the SLIICE region) partner with LCC to deliver dual credit programming
 - Create a pipeline from every high school in the SLIICE region to LCC
 - Educate employees on LCC's legislative and community engagement activities, and provide employees with access to community engagement activities by June 30, 2024

Focus Area 5 - Competitiveness and Innovation

- Goals
 - LCC will create an environment where problems are solved through elegant simplicity, intelligent risk taking and organizational agility through the practice of evaluating and prioritizing ideas to be transformed into new or improved programs, services or processes
- Strategic Objectives
 - Develop content delivery options that reduce minimum time to credential while maintaining or increasing course and program success rates
 - Increase alignment between college programs and employer needs for fulfillment of high-paying and in-demand jobs

Focus Area 6 - Resource Management & Fiscal Responsibility

- **Goals**
 - By upholding the values of the college through good stewardship of resources, Resource Management and Fiscal Responsibility addresses the collaborative process of planning and implementing activities that support our ability to make data-informed and transparent decisions. This impacts the financial, human and physical resources, ensuring the health and sustainability of the college
- **Strategic Objectives**
 - Improve the financial health of the college by improving the college's Composite Financial Index (CFI) in the next three years, to at least 2.0
 - Optimize physical resources for mission alignment
 - Completion of Campus Master Plan
 - Completion of Academic Master Plan
 - Completion of Financial Master Plan
 - Integrate process improvement at all phases of the employee lifecycle to improve career mobility and diversity of LCC employees

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, both scheduled to be completed in 2025. The first construction project is creating a new Cybersecurity Center 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.

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, Neurodiagnostic Technologist, Radiology Technology, Ultrasound (Diagnostic Medical Sonography), and Vascular Technology
- Nursing: PN Option and 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, Audio and Cinema, Music, Photographic Imaging Technologies, 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.

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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.
- **The Early College (TEC) at LCC*** is a partnership with Ingham ISD. TEC was paused for the 2022-23 academic year and will relaunch with a new cohort of students in Fall 2025.
- **Livingston ESA (LESA) Early College** at the LCC Livingston Center: students participate in the state's only Nursing Program Pathway. Upon completion of the early college, the students only have 3 semesters of nursing remaining to complete their LCC degree. In Fall 2024, LESA will be adding a Michigan Transfer Agreement pathway.
- **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 will be 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, Livingston County Center 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 quality high school, post-secondary education, and apprenticeship training 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. Our approach involves students actively engaging in real-world tasks to apply acquired skills and tackle practical challenges. They gain invaluable work experience in professional environments directly relevant to their field. Additionally, they participate in targeted sessions that delve into specific aspects of the trade and analyze real-life scenarios to bridge theory with practice. Safety protocols are rigorously taught to ensure proficiency in safe trade operations. We maintain year-round learning environments to thoroughly prepare apprentices, ensuring their readiness and safety upon entering the workforce.

LCC's Utility and Energy Systems Department offers four associate degrees, five certificates of achievement, and four certificates of completion. With the addition of Electrical Vehicle, Avionics Programs, and Underground Splicing Training, LCC would be able to help train students to enter into the growing energy careers in Michigan. The department is committed to providing a high-quality real-life training environment essential to meet student learning needs as well as industry and employment demands. 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 a three-day Utility Lineworker orientation, three semesters of academic courses, and 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 partnered with employers to align curriculum to meet the demand. LCC connects faculty and industry to ensure an LCC education is consistent with the employment needs of our industry

partners. Our courses support apprentices in residential, commercial, and industrial companies and fulfill all of the State of Michigan requirements for Related Technical Instruction.

For at least 176 years, the United States has relied on electrical lineworkers to help power our country. Currently, there are over 120,000 lineworkers in the U.S. and approximately 3,500 in the State of Michigan. According to Lightcast, a labor-predicting software program, 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 growth rate by 3.6%. Michigan also has the higher median wage percentage for those in this career, with the median starting wage at \$48.44/hr. Here at LCC, we train our students in the rapidly growing skills needed in today's workforce, such as working with capacitors, telecommunications, and especially pole climbing, which is projected to grow by 10.4%.

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 only one of two 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.

Lansing Community College's Technical Career Division is dedicated to providing cutting-edge, hands-on training for our Utility Energy Systems. We pride ourselves on our strong partnerships with industry leaders such as General Motors, Board Water and Light, and DTE Energy. These collaborations ensure our students gain practical, real-world experience and are well-prepared for successful careers in the energy sector.

Throughout 2023, we received over 700 inquiries about our linework program, resulting in an all-time high acceptance of 92 applicants for the 2024 class. At full capacity, we can offer 98 seats for Practical Electricity (ELTE 110) in the fall semester. Practical Electricity is a required first-semester class not only for linework students, however, but also for every degree and certificate in the Electrical Technology and Electrical Apprenticeship programs, so with 92 out of our 98 seats available, we are limited in the number of seats available for students in other programs that need this course. This limited availability means we are losing students and potential tuition to other schools. The increased number of students entering these fields impacts what we can offer, thereby impacting opportunities for our linework students, apprentices, and electrical technology students.

Each year, we educate an average of 87 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 we will not be able to produce enough students ready to meet the industrial needs in the region.

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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, students at Lansing Community College 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, 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).

For several years, Technical Careers has considered the creation of a dedicated Energy and Utility Training Center. However, the implementation was delayed due to questions and uncertainties regarding the optimal location, appropriate design, and secure funding for the project.

To enhance the training capabilities of LCC’s TC Division, we propose establishing a dedicated Utility Energy Training Center. This center will 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 declines 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
2024-2025	189,118	204,011
2025-2026	189,000	203,883
2026-2027	188,927	203,805
2027-2028	188,883	203,757
2028-2029	188,855	203,728

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.

Academic Year	Fall Headcount	Year-Over-Year Change
2019-20	12,507	-0.41%
2020-21	10,855	-13.21%
2021-22	10,709	-1.35%
2022-23	10,032	-6.32%
2023-24	9,754	-2.77%

Instructional staff/student and administrative staff/student ratios for major academic programs

These ratios are based on the fall 2023 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 = 12 : 1
- Students to all staff = 4.8 : 1

Program Level Ratios for Top Programs by Enrollment

Program	FTE Faculty	FTE Student	Students in Program to Faculty Ratio
Psychology	11	215	19.5
Business	5	205	41.0
Nursing RN	40	286	7.2
Business Administration	5	127	25.4

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 continued enrollment decline. Improvements to student success initiatives may offset the severity of future declines by improving 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 unexpected 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 is expected to remain fairly stable near 17.5 students per section.

	Total Number of Sections	Total Seatcount	Avg Number of Students per Section
Fall 2019	1,681	31,540	18.8
Fall 2020	1,472	27,319	18.6
Fall 2021	1,520	26,819	17.6
Fall 2022	1,418	24,766	17.5
Fall 2023	1,371	24,175	17.6

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	
4.0901	Architecture Technology (1455)	Associate of Applied Science	

CIP Code	Program Name	Degree Level	Available Online
4.0901	Architecture Technologist (1809)	Associate of Applied Science	
5.0102	American Studies (142)	Associate of Arts	100% Online
5.0201	African-American History (137)	Associate of Arts	100% Online
9.01	Comm, Journalism & Language (1823)	General Associate	100% Online
9.0101	Communication (136)	Associate of Arts	
9.0402	Journalism (1628)	Associate of Arts	100% Online
9.0901	Comm Journ Lang Enhanced (1834)	Associate of Applied Arts	
10.0201	Photography (963)	Certificate of Completion	
10.0201	Digital Media: Cinematography (1450)	Certificate of Completion	
10.0201	Digital Media: Transfer (1452)	Associate of Applied Science	
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	
11.0202	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

CIP Code	Program Name	Degree Level	Available 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	Computer Security Controls (1818)	Certificate of Completion	
11.1003	Cybersecurity (1832)	Associate of Applied Science	100% Online
11.1003	Cybersecurity Foundations (1833)	Certificate of Completion	100% Online
11.1006	Computer Support Specialist (713)	Associate of Business	
11.1006	Info Tech Foundations (766)	Certificate of Completion	100% Online
13.0406	Education (1624)	Associate of Arts	100% Online
13.1206	Education (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	
15.0307	Digital Media: Audio Rec Prod (1448)	Certificate of Achievement	
15.0307	Digital Media: Audio (1457)	Certificate of Completion	
15.0403	Mechanical Systems (147)	Certificate of Achievement	
15.0403	Mechanical Systems (173)	Associate of Applied Science	

CIP Code	Program Name	Degree Level	Available Online
15.0406	Mechatronics-Maint Tech (1780)	Associate of Applied Science	
15.0613	Indus Manuf Engineer Tech (110)	Associate of Applied Science	
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	
15.1202	Computer Support Technician (743)	Associate of Applied Science	
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	
15.1701	Energy Management Specialist (1606)	Associate of Applied Science	
15.1701	Energy Auditor (1813)	Certificate of Completion	
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
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

CIP Code	Program Name	Degree Level	Available Online
24.0101	Transfer Studies (1779)	Associate of Arts	100% Online
24.0101	Transfer Studies (1782)	Associate of Science	100% Online
24.0103	Humanities (119)	Associate of Arts	100% Online
26.0101	Biology (221)	Associate of Science	
26.1201	Biotechnology (212)	Associate of Applied Science	
26.1201	Biological Lab Techniques (1608)	Certificate of Completion	
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	
41.0301	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	
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	Mid-Michigan Police Academy (1707)	Certificate of Completion	

CIP Code	Program Name	Degree Level	Available Online
43.0107	CJ - Digital Evidence Spec (1802)	Certificate of Completion	
43.0107	CJ - Digital Evidence Spec (1803)	Associate of Applied Science	
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 Academy (709)	Certificate of Completion	
43.0203	Fire Science/Basic EMT (1057)	Associate of Applied Science	
44	Human Services (915)	Associate of Applied Science	
44	Human Services (1199)	Certificate of Completion	
44	Human Services (1201)	Certificate of Achievement	
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 (1824)	Associate of Science	
45.0702	Geospatial Science (1820)	Certificate of Completion	
45.1001	Political Science (750)	Associate of Arts	
45.1101	Sociology (753)	Associate of Arts	100% Online
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	

CIP Code	Program Name	Degree Level	Available Online
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	
46.0303	Electrical Utility/Lineworker (1783)	Associate of Applied Science	
46.0401	Building Maintenance (1481)	Certificate of Achievement	
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	

CIP Code	Program Name	Degree Level	Available Online
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 Maint (1825)	Certificate of Completion	
50.0501	Theatre (278)	Associate of Applied 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

CIP Code	Program Name	Degree Level	Available Online
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	
50.0917	Music Industry (1830)	Associate of Music	
51	Pre-Medical Studies (754)	Associate of Science	
51.0602	Dental Hygiene (279)	Associate of Applied Science	
51.0714	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 (1808)	Certificate of Achievement	
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	Basic Emergency Med Techn (1817)	Certificate of Completion	
51.0904	Community Paramedicine (1819)	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	

CIP Code	Program Name	Degree Level	Available Online
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 (1814)	Associate of Applied Science	
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
52.0302	Bookkeeping (1292)	Certificate of Completion	100% Online
52.0801	Financial Institutions (103)	Associate of Business	100% Online
52.0801	Financial Institutions (151)	Certificate of Completion	100% 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	Field Sales and Marketing (190)	Associate of Business	
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	% Total
General Associate (863)	24.0101	317	862	1,179	16	114	1,309	12.7%
Nursing PN-RN Pre Admit (P006)	51.3801	165	448	613	3	4	620	6.0%
Psychology (215)	42.0101	123	297	420	0	1	421	4.1%
Business Administration (243)	52.0201	82	270	352	0	0	352	3.4%
Transfer Studies (1779)	24.0101	154	179	333	0	0	333	3.2%
Nursing - RN Option (222)	51.3801	3	310	313	0	0	313	3.0%
Transfer Studies (1782)	24.0101	135	153	288	0	0	288	2.8%
Business (1821)	52.0101	109	146	255	1	0	256	2.5%
Guest Student (2)	24.0102	24	159	183	30	0	213	2.1%
Biology (221)	26.0101	77	122	199	0	1	200	1.9%
Computer Science (169)	30.0801	75	115	190	1	0	191	1.8%
Education (1624)	13.0406	61	123	184	1	0	185	1.8%
Engineering-Physics (1619)	14.1201	73	109	182	1	0	183	1.8%
Business Transfer Studies (1622)	52.0101	79	101	180	0	0	180	1.7%
Criminal Justice (146)	43.0107	49	97	146	2	28	176	1.7%
Kinesiology/Exercise Science (1639)	31.0505	59	79	138	2	31	171	1.7%
Undecided-Program Exploration (99)	24.0102	11	133	144	6	0	150	1.5%
Computer Networking Tech (1453)	11.0901	42	108	150	0	0	150	1.5%
Diagnostic Med Sonography Pre (P002)	51.0910	48	98	146	0	0	146	1.4%
Welding Technology (186)	48.0508	20	61	81	0	57	138	1.3%
Allied Health (1814)	51.9999	27	102	129	1	2	132	1.3%
Accounting (162)	52.0302	37	93	130	0	0	130	1.3%
Computer Programmer/Analyst (113)	11.0202	25	91	116	0	0	116	1.1%
Dental Hygiene Pre-Admit (P001)	51.0602	41	74	115	0	0	115	1.1%
Automotive Technologies (1791)	47.0604	15	44	59	0	54	113	1.1%
Airframe Maintenance Tech (757)	47.0607	86	8	94	0	1	95	0.9%
Child Dev and Early Ed (1637)	19.0709	18	72	90	1	0	91	0.9%
Criminal Just - Law Enforce (1210)	43.0107	22	38	60	2	24	86	0.8%
Electrical Technology (134)	46.0302	15	64	79	0	0	79	0.8%
Sign Language Interpreter (282)	10.9999	9	66	75	3	0	78	0.8%
Electrical Apprenticeship (1570)	46.0302	0	76	76	0	1	77	0.7%
Veterinary Nursing (287)	1.8301	21	54	75	1	0	76	0.7%

Program	CIP Code	FT	PT	Credit	Non Credit	HS	Total	% Total
Marketing (204)	52.1801	32	40	72	1	0	73	0.7%
Human Services (915)	44.0000	19	52	71	1	0	72	0.7%
Graphic Communication (1533)	11.0803	14	35	49	0	22	71	0.7%
Communication (136)	9.0101	23	46	69	1	0	70	0.7%
Sociology (753)	45.1101	15	54	69	0	0	69	0.7%
Legal Studies (101)	22.0302	15	53	68	0	0	68	0.7%
Mechatronics-Maint Tech (1780)	15.0406	8	47	55	0	12	67	0.6%
Radiologic Technology Pre (P008)	51.0907	16	47	63	0	0	63	0.6%
Construction Management (1634)	52.2001	22	37	59	0	0	59	0.6%
Political Science (750)	45.1001	15	40	55	0	1	56	0.5%
Building Construction (1766)	46.0201	9	20	29	0	23	52	0.5%
Manufact Engineering Tech (1359)	48.0501	8	30	38	0	13	51	0.5%
Human Resource Management (712)	52.1001	9	40	49	0	0	49	0.5%
Pre-Medical Studies (754)	51.0000	17	31	48	0	0	48	0.5%
Electrical Utility/Lineworker (1468)	46.0303	11	37	48	0	0	48	0.5%
Dental Hygiene (279)	51.0602	45	0	45	0	0	45	0.4%
Management and Leadership (245)	52.0201	8	36	44	0	0	44	0.4%
Personal Interest (98)	24.0102	1	39	40	3	0	43	0.4%
Heating and Air Conditioning (836)	47.0201	8	34	42	0	0	42	0.4%
Creative Writing (1623)	23.1302	13	29	42	0	0	42	0.4%
History (197)	54.0101	13	27	40	0	0	40	0.4%
Digital Media Specialist (1458)	10.0201	11	28	39	0	0	39	0.4%
Computer Graphics Animation (284)	10.0304	10	28	38	0	0	38	0.4%
Surgical Technology Pre (P009)	51.0909	7	30	37	0	0	37	0.4%
Chemistry (117)	40.0501	12	24	36	0	0	36	0.3%
Radiologic Technology (196)	51.0911	15	21	36	0	0	36	0.3%
Cybersecurity (1832)	11.1003	15	21	36	0	0	36	0.3%
Transfer to Another Inst (1)	24.0102	7	27	34	0	0	34	0.3%
Art Foundation (1716)	50.0701	13	21	34	0	0	34	0.3%
Fire Science/Basic EMT (1057)	43.0203	19	14	33	0	0	33	0.3%
Electrical Utility/Lineworker (1783)	46.0303	7	21	28	0	0	28	0.3%
Economics (230)	45.0601	10	17	27	0	0	27	0.3%
Architecture Technology (1455)	4.0901	8	19	27	0	0	27	0.3%

Program	CIP Code	FT	PT	Credit	Non Credit	HS	Total	% Total
Mathematics (1620)	27.0101	3	24	27	0	0	27	0.3%
Financial Institutions (103)	52.0801	11	15	26	0	0	26	0.3%
Medical Assistant (1811)	51.0801	18	7	25	1	0	26	0.3%
Computer Support Technician (743)	15.1202	6	18	24	0	1	25	0.2%
Social Science (121)	45.0101	10	14	24	0	0	24	0.2%
Emergency Medical Services (276)	51.0904	7	16	23	1	0	24	0.2%
Theatre (278)	50.0501	7	17	24	0	0	24	0.2%
Journalism (1628)	9.0402	11	13	24	0	0	24	0.2%
MRI Technology (1632)	51.0920	7	17	24	0	0	24	0.2%
Digital Media: Transfer (1452)	10.0201	16	7	23	0	0	23	0.2%
Computer Aided Design (1801)	15.1306	5	18	23	0	0	23	0.2%
Insurance and Risk Management (1804)	52.1701	9	14	23	0	0	23	0.2%
Accounting, CPA Exam Prep (255)	52.0301	5	17	22	0	0	22	0.2%
Studio Art (1781)	50.0702	10	12	22	0	0	22	0.2%
Neurodiagnostic Technology (1812)	51.0903	15	7	22	0	0	22	0.2%
Surgical Technology (1021)	51.0909	19	2	21	0	0	21	0.2%
Literature (124)	23.0101	3	17	20	0	0	20	0.2%
Med Insur Billing & Coding (1488)	51.0714	1	19	20	0	0	20	0.2%
Ultrasound: DMS (790)	51.0910	19	0	19	0	0	19	0.2%
Transfer Studies (1482)	24.0101	8	11	19	0	0	19	0.2%
Environmental Technology (793)	15.0507	5	13	18	0	0	18	0.2%
Computer Programmer/Analyst (969)	11.0202	1	17	18	0	0	18	0.2%
Music (1477)	50.0901	6	12	18	0	0	18	0.2%
Computer Support Specialist (713)	11.1006	5	12	17	0	0	17	0.2%
Graphic Design (1020)	50.0409	4	12	16	0	1	17	0.2%
Agricultural Technology (1451)	1.0101	1	16	17	0	0	17	0.2%
CJ - Digital Evidence Spec (1803)	43.0107	4	13	17	0	0	17	0.2%
Photography (963)	10.0201	1	13	14	2	0	16	0.2%
Architecture Technologist (1809)	4.0901	2	14	16	0	0	16	0.2%
Massage Therapy (1255)	51.3501	10	5	15	0	0	15	0.1%
Anthropology (1621)	45.0201	3	12	15	0	0	15	0.1%
Music Industry (1807)	50.0903	6	9	15	0	0	15	0.1%
Massage Therapy (1826)	51.3501	0	15	15	0	0	15	0.1%
Sign Language Interpreter (187)	10.9999	1	13	14	0	0	14	0.1%

Program	CIP Code	FT	PT	Credit	Non Credit	HS	Total	% Total
Art History (746)	50.0703	5	8	13	1	0	14	0.1%
HVAC/R-Energy Mgt Eng Tech (1257)	47.0201	5	9	14	0	0	14	0.1%
Welding Technology (1356)	48.0508	0	14	14	0	0	14	0.1%
Personal Trainer (1705)	31.0507	3	11	14	0	0	14	0.1%
Biotechnology (212)	26.1201	6	7	13	0	0	13	0.1%
E-Business (839)	52.0208	3	10	13	0	0	13	0.1%
Criminal Just - Juv Spec (1475)	43.0110	3	10	13	0	0	13	0.1%
Automotive Technologies (1790)	47.0604	5	8	13	0	0	13	0.1%
Geography (749)	45.0701	1	11	12	0	0	12	0.1%
Digital Media: Video/Cinema (1454)	10.0201	2	10	12	0	0	12	0.1%
Philosophy (159)	38.0101	1	10	11	0	0	11	0.1%
Accounting (714)	52.0302	3	8	11	0	0	11	0.1%
Elect Tech - Construction (759)	46.0302	1	10	11	0	0	11	0.1%
Web Site Developer (843)	11.0901	1	10	11	0	0	11	0.1%
Paramedic (272)	51.0904	9	1	10	0	0	10	0.1%
Legal Studies Post-Bachelor (744)	22.0302	3	7	10	0	0	10	0.1%
Heating and Air Conditioning (832)	47.0201	5	5	10	0	0	10	0.1%
Phlebotomy Technician (1010)	51.1009	0	10	10	0	0	10	0.1%
Japanese Studies (1787)	16.0302	0	10	10	0	0	10	0.1%
Welding Technology (156)	48.0508	0	8	8	1	0	9	0.1%
Mechanical Systems (173)	15.0403	0	9	9	0	0	9	0.1%
Civil Technology (178)	15.0201	2	6	8	1	0	9	0.1%
International Business (240)	52.1101	1	8	9	0	0	9	0.1%
International Studies (252)	45.0901	2	6	8	1	0	9	0.1%
Heavy Equip Repair Techn (1055)	47.0302	4	5	9	0	0	9	0.1%
Robotics and Automated Tech (1789)	14.4201	2	6	8	1	0	9	0.1%
Child Develop & Early Educ (133)	19.0709	1	7	8	0	0	8	0.1%
Management (249)	52.0201	1	7	8	0	0	8	0.1%
Teacher Paraprofessional (1039)	13.1501	2	6	8	0	0	8	0.1%
Industrial Maint Technician (1484)	47.0303	0	8	8	0	0	8	0.1%
Correctional Officer (840)	43.0102	0	0	0	7	0	7	0.1%
Pharmacy Technician (1024)	51.0805	1	5	6	1	0	7	0.1%
Criminal Just-Corrections (1209)	43.0102	0	7	7	0	0	7	0.1%
Spanish Studies (1788)	16.0905	1	6	7	0	0	7	0.1%
English as a Second Language (97)	32.0109	2	4	6	0	0	6	0.1%

Program	CIP Code	FT	PT	Credit	Non Credit	HS	Total	% Total
Mechanical Systems (147)	15.0403	0	6	6	0	0	6	0.1%
Photographic Imaging (277)	50.0605	2	4	6	0	0	6	0.1%
Bookkeeping (1292)	52.0302	0	6	6	0	0	6	0.1%
Music Technology (1358)	15.0307	1	5	6	0	0	6	0.1%
Child Dev and Early Ed (1815)	19.0709	0	6	6	0	0	6	0.1%
Science and Mathematics (1831)	30.0101	4	2	6	0	0	6	0.1%
Fire Science Technology (123)	43.0203	1	4	5	0	0	5	0.0%
Computer Technician (168)	15.1202	2	3	5	0	0	5	0.0%
Geospatial Science Technician (224)	15.1102	1	4	5	0	0	5	0.0%
Advanced Management (280)	52.0201	1	3	4	1	0	5	0.0%
Religious Studies (751)	38.0201	3	2	5	0	0	5	0.0%
Elect Tech - Control Maint (760)	46.0302	0	5	5	0	0	5	0.0%
Computer Technology Basics (844)	11.0202	0	5	5	0	0	5	0.0%
Robotics and Automated Tech (1605)	14.4201	2	3	5	0	0	5	0.0%
CNC Machine Technology (1797)	48.0501	1	4	5	0	0	5	0.0%
Basic Emergency Med Techn (1817)	51.0904	4	1	5	0	0	5	0.0%
Music (1828)	50.0901	2	2	4	1	0	5	0.0%
Music Ed/Pre-Music Therapy (1829)	50.0901	3	2	5	0	0	5	0.0%
Music Industry (1830)	50.0917	2	3	5	0	0	5	0.0%
Humanities (119)	24.0103	1	3	4	0	0	4	0.0%
Marketing (225)	52.1801	2	2	4	0	0	4	0.0%
Electrical Wiring (964)	46.0302	0	4	4	0	0	4	0.0%
Basic Aviation Technology (1037)	47.0609	1	2	3	1	0	4	0.0%
Machine Tool Technology (1470)	48.0501	0	4	4	0	0	4	0.0%
Energy Management Specialist (1606)	15.1701	0	4	4	0	0	4	0.0%
Computer Software Tester (1633)	11.0202	0	4	4	0	0	4	0.0%
Paramedic Pre-Admit (P007)	51.0904	3	1	4	0	0	4	0.0%
Building Construction (135)	46.0201	1	2	3	0	0	3	0.0%
African-American History (137)	5.0201	1	2	3	0	0	3	0.0%
American Studies (142)	5.0102	1	2	3	0	0	3	0.0%
Automotive Technology (238)	47.0604	1	2	3	0	0	3	0.0%
Fire Science Academy (709)	43.0203	3	0	3	0	0	3	0.0%
Microsoft Office Specialist (841)	11.0202	0	3	3	0	0	3	0.0%
Electrical Machine Controls (966)	46.0302	0	3	3	0	0	3	0.0%

Program	CIP Code	FT	PT	Credit	Non Credit	HS	Total	% Total
Digital Media: Audio Rec Prod (1448)	15.0307	0	3	3	0	0	3	0.0%
Cisco Certified Network Prep (1469)	11.0901	0	3	3	0	0	3	0.0%
Construction Management (1635)	52.2001	2	1	3	0	0	3	0.0%
Mid-Michigan Police Academy (1707)	43.0107	2	0	2	1	0	3	0.0%
CNC Machine Technology (1798)	48.0501	0	3	3	0	0	3	0.0%
CJ - Digital Evidence Spec (1802)	43.0107	0	3	3	0	0	3	0.0%
Entrepreneurial Studies (1805)	52.0701	1	2	3	0	0	3	0.0%
Computer Security Controls (1818)	11.1003	1	2	3	0	0	3	0.0%
Chemical Technology (163)	41.0301	1	1	2	0	0	2	0.0%
Field Sales and Marketing (190)	52.1804	1	1	2	0	0	2	0.0%
Powerplant Maint Tech (745)	47.0608	0	2	2	0	0	2	0.0%
Info Tech Foundations (766)	11.1006	0	2	2	0	0	2	0.0%
Teacher Paraprofessional (829)	13.1501	1	1	2	0	0	2	0.0%
E-Business (845)	52.0208	0	2	2	0	0	2	0.0%
Long-Term Care Nurse Aide (1025)	51.3902	0	2	2	0	0	2	0.0%
Building Maintenance (1481)	46.0401	1	1	2	0	0	2	0.0%
Sustainability (1487)	3.0101	1	1	2	0	0	2	0.0%
MRI Technology (1602)	51.0920	0	2	2	0	0	2	0.0%
EMS Instructor-Coordinator (1638)	51.0904	0	2	2	0	0	2	0.0%
Energy Industry Fundamentals (1777)	46.0301	0	2	2	0	0	2	0.0%
Auto:Engine Transmission (1795)	47.0604	1	0	1	1	0	2	0.0%
Computer Aided Design (1799)	15.1306	0	2	2	0	0	2	0.0%
Cybersecurity Foundations (1833)	11.1003	0	2	2	0	0	2	0.0%
Machine Trades Apprentice (94)		0	1	1	0	0	1	0.0%
Industry Apprentice (95)	47.0303	0	1	1	0	0	1	0.0%
Indus Manuf Engineer Tech (110)	15.0613	0	1	1	0	0	1	0.0%
Engineering (112)	14.0101	0	1	1	0	0	1	0.0%
World Language (132)	16.0101	0	1	1	0	0	1	0.0%
Financial Institutions (151)	52.0801	0	1	1	0	0	1	0.0%
Comp-Aided Drafting/Design (165)	15.1302	0	1	1	0	0	1	0.0%
Computer Graphics, Multimedia (194)	10.0304	0	1	1	0	0	1	0.0%
Landscape Architecture (203)	4.9999	0	1	1	0	0	1	0.0%

Program	CIP Code	FT	PT	Credit	Non Credit	HS	Total	% Total
Sales Specialist (242)	52.1804	0	1	1	0	0	1	0.0%
Mechanical Engineering, MSU (339)	24.0102	0	1	1	0	0	1	0.0%
Computer Science, MSU (367)	24.0102	0	1	1	0	0	1	0.0%
Atmos/Ocean/Space Sci,UM-AA (495)		0	1	1	0	0	1	0.0%
Elementary Education (747)	13.1202	0	1	1	0	0	1	0.0%
Geospatial Science (834)	15.1102	1	0	1	0	0	1	0.0%
Massage Therapy (837)	51.3501	0	1	1	0	0	1	0.0%
CAD/CAM Technician (892)	15.1302	0	1	1	0	0	1	0.0%
Motion Picture Direction (900)	50.0602	0	1	1	0	0	1	0.0%
Entrepreneurial Studies (903)	52.0701	0	1	1	0	0	1	0.0%
Computer Graphics, Web Design (914)	11.0801	0	1	1	0	0	1	0.0%
Juvenile Justice (916)	43.0110	0	1	1	0	0	1	0.0%
Sterile Processing Technician (1017)	51.1012	0	1	1	0	0	1	0.0%
Criminal Justice 3+1, FSU (1029)	43.0107	0	1	1	0	0	1	0.0%
Airframe Maintenance Tech (1036)	47.0607	1	0	1	0	0	1	0.0%
Fashion Studies (1056)	52.1902	0	1	1	0	0	1	0.0%
Communications, AC (1127)	24.0102	0	1	1	0	0	1	0.0%
Human Services (1199)	44.0000	0	1	1	0	0	1	0.0%
Human Services (1201)	44.0000	0	1	1	0	0	1	0.0%
Accountancy - Prof 3+1, DU (1318)	52.0302	0	1	1	0	0	1	0.0%
EKG Technician (1442)	51.0902	0	1	1	0	0	1	0.0%
Digital Media: Cinematography (1450)	10.0201	0	1	1	0	0	1	0.0%
Theatre (1483)	50.0501	0	1	1	0	0	1	0.0%
Alternative Energy Engr Techn (1486)	15.0503	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)	26.1201	0	1	1	0	0	1	0.0%
Japanese (1627)	16.0302	0	1	1	0	0	1	0.0%
Professional Fitness Leader (1703)	31.0507	0	1	1	0	0	1	0.0%
Mobile Application Developer (1712)	11.0202	0	1	1	0	0	1	0.0%
IoT Specialist (1713)	11.0901	0	1	1	0	0	1	0.0%
Patient Care Technician (1784)	51.3902	0	1	1	0	0	1	0.0%

Program	CIP Code	FT	PT	Credit	Non Credit	HS	Total	% Total
Auto:Electric Drive/AltFuel (1792)	47.0604	1	0	1	0	0	1	0.0%
Auto:Brakes Suspension Syst (1793)	47.0604	0	1	1	0	0	1	0.0%
Auto:EnginePerf Drivability (1796)	47.0604	0	1	1	0	0	1	0.0%
Comm, Journalism & Language (1823)	9.0100	0	1	1	0	0	1	0.0%
Geography (1824)	45.0701	0	1	1	0	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 2023- 2024.

LCC's current Facilities consist of 25 owned major buildings; Appendix A, including leased spaces, totals over 1.8 million square feet of floor space. The College's currently owned area comprises 1,528,912 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 25 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 61 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 2029. Funding for this work is established within the plant fund with an annual transfer of \$3,062,000. However, due to a global pandemic, anticipated reductions in state allocations, and a decrease in enrollment, the college reduced this amount to \$2,800,000 for LCC's 2021-2022 fiscal year. As of fiscal year 2024-2025, the annual transfer budget is \$3,400,000.

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 2023-2024 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. Utility cost for fiscal year 2020-2021 was reduced due to multiple unoccupied buildings due to the pandemic. Below is a table representing the final utility cost for fiscal year 2023-2024.

Electric	\$ 2,344,019
Steam	\$ 816,553
Water/Sewage	\$ 333,170
Gas	\$ 145,593
FY 2022-2023 Total Utility Cost	\$ 3,639,335

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 08/17/2023 - 12/11/2023

Building	PEAK (10am-3pm)	OFF PEAK (8am-10am)	OFF PEAK (3pm-5pm)	EVENING (5pm-10pm)	WEEKEND
ARTS & SCIENCES	39.73%	20.47%	24.46%	10.57%	0.00%
ACADEMIC & OFFICE FACILITY	0.00%	0.00%	0.00%	0.00%	0.00%
DART AUDITORIUM	0.00%	0.00%	0.00%	0.00%	0.00%
EAST CAMPUS	13.87%	4.27%	14.01%	10.89%	0.00%
ELCC	0.00%	0.00%	0.00%	0.00%	0.00%
GANNON	18.55%	8.26%	11.74%	9.53%	3.85%
HEALTH & HUMAN SERVICE	27.41%	25.35%	17.61%	5.91%	0.80%
LIVINGSTON CENTER	7.50%	3.94%	1.41%	2.77%	0.00%
MACKINAW	0.00%	0.00%	0.00%	0.00%	0.00%
MASON AVIATION	29.67%	36.72%	47.44%	38.70%	0.00%
TECHNOLOGY & LEARNING CENTER	10.31%	1.73%	3.51%	1.68%	0.00%
WEST CAMPUS	17.28%	19.29%	12.99%	13.82%	2.75%
ONLINE CLASSES	77.47%	52.31%	70.38%	67.59%	28.01%

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

LANSING COMMUNITY COLLEGE
CLASSROOM SPACE UTILIZATION: SPRING SEMESTER 01/08/2024 - 05/06/2024

Building	PEAK (10am-3pm)	OFF PEAK (8am-10am)	OFF PEAK (3pm-5pm)	EVENING (5pm-10pm)	WEEKEND
ARTS & SCIENCES	38.79%	20.03%	28.96%	12.78%	1.74%
ACADEMIC & OFFICE FACILITY	0.00%	0.00%	0.00%	0.00%	0.00%
DART AUDITORIUM	0.00%	0.00%	0.00%	0.00%	0.00%
EAST CAMPUS	11.98%	1.94%	9.66%	12.98%	0.00%
ELCC	0.00%	0.00%	0.00%	0.00%	0.00%
GANNON	17.31%	3.02%	7.98%	6.32%	0.73%
HEALTH & HUMAN SERVICE	27.86%	26.38%	18.09%	4.13%	0.86%
LIVINGSTON CENTER	6.49%	3.57%	0.10%	1.15%	0.00%
MACKINAW	0.00%	0.00%	0.00%	0.00%	0.00%
MASON AVIATION	36.16%	41.30%	41.30%	36.16%	0.00%
TECHNOLOGY & LEARNING CENTER	5.95%	1.65%	3.13%	5.01%	0.00%
WEST CAMPUS	18.14%	19.77%	14.60%	15.08%	1.03%
ONLINE CLASSES	71.42%	52.13%	76.74%	75.97%	57.14%

*Weekend hours are Saturday 8am-10pm except EC, LIVCEN, MSNAVN, & WC, which 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 multiple campuses during regular business operations. Our West Campus has 31 student workstations available at the computer lab. The college also has a computer lab in the TLC building, Mason Aviation Center, East campus, and Livingston County Center 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
Livingston County Center	2	3

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 D 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.

Aviation Center – LCC's Flight Training Program has been discontinued; the Aviation-related programs are housed at the Mason Aviation Center.

Dazy Flight Center LCC's Flight Training Program has been discontinued; the Aviation-related Programs are housed at the Mason Aviation Center.

T Hanger and South Hanger LCC's Flight Training Program has been discontinued; the Aviation Programs will be housed at the Mason Aviation Center beginning in Fall 2013.

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 are the Cesar E. Chavez Learning Center and 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 temporarily leased to an external company.

Rogers-Carrier House is a historical building that the College maintains.

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 vacated and prepared for renovation.

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.

College Indebtedness for Current Buildings

As of June 30, 2024, the College’s outstanding indebtedness is as follows:

Bonds Sale		June 30, 2024	Bonds Paid Off
2015	\$	1,250,000	2026
2016	\$	1,735,000	2026
2017	\$	25,295,000	2037
2019	\$	35,355,000	2049
2022	\$	15,485,000	2032
Total	\$	79,120,000	

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	58	0	0	0
515 N. Capitol Avenue	515 N. Capitol Ave	1887	2,957	137	0	0	0
Abel B. Sykes Technology Learning Ctr.	400 N. Capitol Ave	1998	156,657	26	3	4	7
Academic & Office Facility	315 N. Grand Ave	1924	60,668	100	4	2	6
Arts & Sciences	419 N. Washington Sq.	1968	198,296	56	16	13	29
Aviation Center	3428 W. Hanger Dr.	1962	18,621	62	0	0	0
Aviation Center-Avionics (Modular Unit)	3428 W. Hanger Dr.	N/A	1,970		0	0	0
Huron Building	333 N. Washington Sq.	1976	10,028	48	0	0	0
Dart Auditorium	500 N. Capitol Ave.	1980	37,515	44	3	6	9
Dazy Flight Center	3410 W. Hanger Dr.	1962	6,445	62	0	0	0
Early Learning Children's Community	601 N. Washington Sq.	1950	11,617	74	0	0	0
Gannon Building	422 N. Washington Sq.	1975/76	305,208	49	31	54	83
Gannon Building	411 N. Grand Ave	1975	22,438	49	0	0	0
Health & Human Services Building	515 N. Washington Sq.	2005	141,992	19	12	32	44
Hermann House	520 N. Capitol Ave	1893	9,911	131	0	0	0
LCC West – MTEC	5708 Cornerstone Dr.	2004	86,335	20	12	59	71
LCC West – Technical Training Center	5708 Cornerstone Dr.	2004	216,201	20	0	0	0
Mackinaw Building	430 N. Capitol Ave	1962	30,117	62	12	2	14
Mason Aviation Center	661 S. Aviation Drive, Mason	1997	20,000	27	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	19	0	0	0
Rogers-Carrier House (Inc. addition)	528 N. Capitol Ave	1891	4,813	133	0	0	0
South Hanger	3408 W. Hanger Dr.	1975	5,064	49	0	0	0
T-Hanger	3460 W. Hanger Dr.	N/A	7,360		0	0	0
University Center	210 W. Shiawassee St.	1906/2007	40,478	118	0	0	0
Washington Court Place	309 N. Washington Sq.	1973	80,000	51	0	0	0
Totals/Average Age for All Buildings			1,544,412	61.48	95	172	265
New Gannon Parking Ramp	301 N. Grand Ave	2022	538,056	2			

Table 3 (Continued)**Lansing Community College****Inventory of Owned and Leased College Facilities****Leased Facilities**

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
Livingston Campus	402 Wright Road Howell, MI 48843	27,500	10	7	17
Totals		47,500	23	9	32

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
Aviation Center	3428 W. Hanger Dr.	1962	No	Yes
Dazy Flight Center	3410 W. Hanger Dr.	1962	No	No
Aviation Center-Avionics (Modular Unit)	3428 W. Hanger Dr.	N/A	No	Yes
T-Hangars	3460 W. Hanger Dr.	N/A	No	Yes
Hangar South	3408 W. Hanger Dr.	1975	No	No
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 2024

Building	Facility Category	Yr #1 FY 2025	Yr #2 FY 2026	Yr #3 FY 2027	Yr #4 FY 2028	Yr #5 FY 2029	All Yrs GT
		\$3,138,000	\$4,174,825	\$3,433,000	\$3,181,000	\$3,811,150	\$17,737,975
AOF Building	Envelope	\$50,000	\$62,500	\$0	\$0	\$0	\$112,500
	Mechanical	\$85,000	\$76,500	\$85,000	\$0	\$0	\$246,500
	Electrical	\$50,000	\$52,500	\$10,000	\$0	\$0	\$112,500
	Architectural	\$0	\$0	\$0	\$0	\$0	\$0
	Site Repairs	\$0	\$0	\$0	\$0	\$0	\$0
	Roof Repair/Replace	\$25,000	\$37,500	\$20,000	\$0	\$0	\$82,500
AOF Total		\$210,000	\$229,000	\$115,000	\$0	\$0	\$554,000
Administration	Envelope	\$5,000	\$6,250	\$0	\$10,000	\$12,500	\$33,750
	Mechanical	\$10,000	\$9,000	\$5,000	\$10,000	\$9,000	\$43,000
	Electrical	\$5,000	\$5,250	\$0	\$0	\$0	\$10,250
	Architectural	\$10,000	\$11,500	\$10,000	\$0	\$0	\$31,500
	Site Repairs	\$0	\$0	\$0	\$0	\$0	\$0
	Roof Repair/Replace	\$50,000	\$75,000	\$0	\$0	\$0	\$125,000
ADM Total		\$80,000	\$107,000	\$15,000	\$20,000	\$21,500	\$243,500
Arts & Science	Envelope	\$25,000	\$31,250	\$0	\$0	\$0	\$56,250
	Mechanical	\$100,000	\$90,000	\$30,000	\$45,000	\$123,750	\$388,750
	Electrical	\$75,000	\$78,750	\$20,000	\$10,000	\$10,500	\$194,250
	Architectural	\$0	\$0	\$0	\$0	\$0	\$0
	Site Repairs	\$0	\$0	\$0	\$0	\$0	\$0
	Roof Repair/Replace	\$50,000	\$75,000	\$50,000	\$50,000	\$137,500	\$362,500
A&S Total		\$250,000	\$275,000	\$100,000	\$105,000	\$271,750	\$1,001,750
Avionics Center	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
Avionics Total		\$0	\$0	\$0	\$0	\$0	\$0

Table 5 (Continued)

Summary of Facilities Assessment Data – Fall 2024

DART Auditorium	Envelope	\$10,000	\$12,500	\$10,000	\$30,000	\$37,500	\$100,000
	Mechanical	\$200,000	\$180,000	\$100,000	\$50,000	\$60,000	\$590,000
	Electrical	\$100,000	\$105,000	\$100,000	\$55,000	\$52,250	\$412,250
	Architectural	\$0	\$0	\$0	\$0	\$0	\$0
	Site Repairs	\$0	\$0	\$0	\$0	\$0	\$0
	Roof Repair/Replace	\$15,000	\$800,000	\$0	\$0	\$0	\$815,000
DART Total		\$325,000	\$1,097,500	\$210,000	\$135,000	\$149,750	\$1,917,250
Dazy Hanger	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
Dazy Hanger Total		\$0	\$0	\$0	\$0	\$0	\$0
Early LCC	Envelope	\$0	\$0	\$0	\$0	\$0	\$0
	Mechanical	\$0	\$0	\$0	\$0	\$0	\$0
	Electrical	\$3,000	\$3,150	\$3,000	\$2,500	\$2,625	\$14,275
	Architectural	\$3,000	\$3,450	\$3,000	\$2,500	\$2,875	\$14,825
	Site Repairs	\$0	\$0	\$0	\$0	\$0	\$0
	Roof Repair/Replace	\$0	\$0	\$0	\$0	\$0	\$0
Early LCC		\$6,000	\$6,600	\$6,000	\$5,000	\$5,500	\$29,100
East Campus	Envelope	\$0	\$0	\$0	\$0	\$0	\$0
	Mechanical	\$0	\$0	\$0	\$0	\$0	\$0
	Electrical	\$3,000	\$3,150	\$3,000	\$3,000	\$3,150	\$15,300
	Architectural	\$10,000	\$10,000	\$10,000	\$10,000	\$11,500	\$51,500
	Site Repairs	\$0	\$0	\$0	\$0	\$0	\$0
	Roof Repair/Replace	\$0	\$0	\$0	\$0	\$0	\$0
East Campus Total		\$13,000	\$13,150	\$13,000	\$13,000	\$14,650	\$66,800
Gannon Building	Envelope	\$100,000	\$125,000	\$100,000	\$0	\$0	\$325,000
	Mechanical	\$225,000	\$202,500	\$225,000	\$300,000	\$225,000	\$1,177,500
	Electrical	\$80,000	\$84,000	\$80,000	\$70,000	\$73,500	\$387,500
	Architectural	\$150,000	\$172,500	\$150,000	\$75,000	\$82,500	\$630,000
	Site Repairs	\$0	\$0	\$0	\$0	\$0	\$0
	Roof Repair/Replace	\$100,000	\$150,000	\$500,000	\$100,000	\$110,000	\$960,000
Gannon Total		\$655,000	\$734,000	\$1,055,000	\$545,000	\$491,000	\$3,480,000
Huron (Continental)	Envelope					\$0	\$0
	Mechanical	\$15,000	\$13,500	\$15,000	\$0	\$0	\$43,500
	Electrical	\$0	\$0	\$0	\$0	\$0	\$0
	Architectural	\$50,000	\$57,500	\$50,000	\$0	\$0	\$157,500
	Site Repairs	\$0	\$0	\$0	\$0	\$0	\$0
	Roof Repair/Replace	\$5,000	\$7,500	\$5,000	\$0	\$0	\$17,500
Huron Total		\$70,000	\$78,500	\$70,000	\$0	\$0	\$218,500

Table 5 (Continued)

Summary of Facilities Assessment Data – Fall 2024

Health & Human Serv	Envelope	\$65,000	\$81,250	\$0	\$50,000	\$62,500	\$258,750
	Mechanical	\$200,000	\$180,000	\$15,000	\$40,000	\$40,000	\$475,000
	Electrical	\$5,000	\$5,250	\$10,000	\$10,000	\$10,500	\$40,750
	Architectural	\$0	\$0	\$0	\$0	\$0	\$0
	Site Repairs	\$10,000	\$9,000	\$0	\$0	\$0	\$19,000
	Roof Repair/Replace	\$0	\$0	\$225,000	\$125,000	\$187,500	\$537,500
HHS Total		\$280,000	\$275,500	\$250,000	\$225,000	\$300,500	\$1,331,000
Herrmann House	Envelope	\$1,500	\$1,875	\$1,500	\$2,500	\$3,125	\$10,500
	Mechanical	\$2,000	\$1,800	\$2,000	\$1,000	\$900	\$7,700
	Electrical	\$0	\$0	\$0	\$0	\$0	\$0
	Architectural	\$10,000	\$11,500	\$10,000	\$1,500	\$1,725	\$34,725
	Site Repairs	\$2,500	\$2,250	\$2,500	\$2,500	\$2,250	\$12,000
	Roof Repair/Replace	\$500	\$750	\$500	\$500	\$750	\$3,000
HCC Total		\$16,500	\$18,175	\$16,500	\$8,000	\$8,750	\$67,925
Mackinaw Building	Envelope	\$10,000	\$12,500	\$10,000	\$5,000	\$6,250	\$43,750
	Mechanical	\$10,000	\$9,000	\$5,000	\$5,000	\$4,500	\$33,500
	Electrical	\$20,000	\$21,000	\$20,000	\$5,000	\$5,250	\$71,250
	Architectural	\$10,000	\$11,500	\$10,000	\$5,000	\$5,750	\$42,250
	Site Repairs	\$0	\$0	\$0	\$0	\$0	\$0
	Roof Repair/Replace	\$10,000	\$15,000	\$100,000	\$5,000	\$7,500	\$137,500
Mackinaw Total		\$60,000	\$69,000	\$145,000	\$25,000	\$29,250	\$328,250
Mason Jewett Field	Envelope	\$40,000	\$50,000	\$40,000	\$25,000	\$26,250	\$181,250
	Mechanical	\$55,000	\$49,500	\$55,000	\$75,000	\$67,500	\$302,000
	Electrical	\$10,000	\$10,500	\$0	\$75,000	\$78,750	\$174,250
	Architectural	\$10,000	\$11,500	\$10,000	\$10,000	\$11,500	\$53,000
	Site Repairs	\$0	\$0	\$0	\$0	\$0	\$0
	Roof Repair/Replace	\$10,000	\$15,000	\$150,000	\$200,000	\$250,000	\$625,000
Mason Jewett Field		\$125,000	\$136,500	\$255,000	\$385,000	\$434,000	\$1,335,500
Livingston Campus	Envelope	\$0	\$0	\$0	\$0	\$0	\$0
	Mechanical	\$0	\$0	\$0	\$0	\$0	\$0
	Electrical	\$3,000	\$3,150	\$3,000	\$3,000	\$3,150	\$15,300
	Architectural	\$0	\$0	\$0	\$0	\$0	\$0
	Site Repairs	\$0	\$0	\$0	\$0	\$0	\$0
	Roof Repair/Replace	\$0	\$0	\$0	\$0	\$0	\$0
Livingston Total		\$3,000	\$3,150	\$3,000	\$3,000	\$3,150	\$15,300
Parking Structure	Maintenance	\$120,000	\$150,000	\$175,000	\$200,000	\$220,000	\$865,000
	Site Repairs	\$0	\$0	\$0	\$0	\$0	\$0
	Roof Repair/Replace	\$0	\$0	\$0	\$0	\$0	\$0
Parking Struct Total		\$120,000	\$150,000	\$175,000	\$200,000	\$220,000	\$865,000

Table 5 (Continued)

Summary of Facilities Assessment Data – Fall 2024

Rogers-Carrier Hse	Envelope	\$0	\$0	\$0	\$0	\$0	\$0
	Mechanical	\$2,000	\$2,000	\$2,000	\$2,000	\$1,800	\$9,800
	Electrical	\$2,000	\$2,000	\$2,000	\$2,000	\$2,100	\$10,100
	Architectural	\$3,000	\$3,000	\$3,000	\$3,000	\$3,450	\$15,450
	Site Repairs	\$5,000	\$5,000	\$5,000	\$5,000	\$4,500	\$24,500
	Roof Repair/Replace	\$0	\$0	\$0	\$0	\$0	\$0
RCH Total		\$12,000	\$12,000	\$12,000	\$12,000	\$11,850	\$59,850
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
South Hanger	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
South Hanger Tot		\$0	\$0	\$0	\$0	\$0	\$0
Sykes Tech Center	Envelope	\$100,000	\$125,000	\$100,000	\$150,000	\$187,500	\$662,500
	Mechanical	\$65,000	\$58,500	\$65,000	\$100,000	\$175,000	\$463,500
	Electrical	\$50,000	\$52,500	\$50,000	\$50,000	\$80,000	\$282,500
	Architectural	\$0	\$0	\$0	\$0	\$0	\$0
	Site Repairs	\$0	\$0	\$0	\$0	\$0	\$0
	Roof Repair/Replace	\$10,000	\$15,000	\$0	\$45,000	\$67,500	\$137,500
TLC Total		\$225,000	\$251,000	\$215,000	\$345,000	\$510,000	\$1,546,000
University Center	Envelope	\$15,000	\$18,750	\$0	\$75,000	\$93,750	\$202,500
	Mechanical	\$20,000	\$18,000	\$25,000	\$45,000	\$40,500	\$148,500
	Electrical	\$10,000	\$10,500	\$25,000	\$20,000	\$21,000	\$86,500
	Architectural	\$5,000	\$5,750	\$20,000	\$35,000	\$40,250	\$106,000
	Site Repairs	\$5,000	\$4,500	\$0	\$0	\$0	\$9,500
	Roof Repair/Replace	\$25,000	\$37,500	\$150,000	\$250,000	\$375,000	\$837,500
UC Total		\$80,000	\$95,000	\$220,000	\$425,000	\$570,500	\$1,390,500
Washington Court Pl	Envelope	\$5,000	\$6,250	\$5,000	\$10,000	\$12,500	\$38,750
	Mechanical	\$50,000	\$45,000	\$15,000	\$25,000	\$22,500	\$157,500
	Electrical	\$0	\$0	\$0	\$0	\$0	\$0
	Architectural	\$0	\$0	\$0	\$0	\$0	\$0
	Site Repairs	\$5,000	\$4,500	\$5,000	\$10,000	\$9,000	\$33,500
	Roof Repair/Replace	\$0	\$0	\$0	\$0	\$0	\$0
WCP Total		\$60,000	\$55,750	\$25,000	\$45,000	\$44,000	\$229,750

Table 5 (Continued)

Summary of Facilities Assessment Data – Fall 2024

West Campus	Envelope	\$30,000	\$37,500	\$30,000	\$75,000	\$82,500	\$255,000
	Mechanical	\$250,000	\$225,000	\$170,000	\$200,000	\$180,000	\$1,025,000
	Electrical	\$20,000	\$21,000	\$20,000	\$45,000	\$47,250	\$153,250
	Architectural	\$0	\$0	\$0	\$0	\$0	\$0
	Site Repairs	\$15,000	\$13,500	\$5,000	\$7,500	\$6,750	\$47,750
	Roof Repair/Replace	\$75,000	\$112,500	\$150,000	\$200,000	\$250,000	\$787,500
West Campus Total		\$390,000	\$409,500	\$375,000	\$527,500	\$566,500	\$2,268,500
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	\$5,000	\$6,250	\$5,000	\$5,000	\$6,250	\$27,500
	Mechanical	\$0	\$0	\$0	\$0	\$0	\$0
	Electrical	\$0	\$0	\$0	\$0	\$0	\$0
	Architectural	\$0	\$0	\$0	\$0	\$0	\$0
	Site Repairs	\$2,500	\$2,250	\$2,500	\$2,500	\$2,250	\$12,000
	Roof Repair/Replace	\$0	\$0	\$0	\$0	\$0	\$0
515 Cap Ave Total		\$7,500	\$8,500	\$7,500	\$7,500	\$8,500	\$39,500

Implementation Plan

Lansing Community College Campus 5-Year Capital Outlay Plan 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 is scheduled to be completed and approved by LCC's Board of Trustees in October 2024.

FY2025 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 research centers 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 2025 - 2029

- Chiller Replacement, Downtown Campus, Arts & Science Building – Est. \$1,200,000
- Cybersecurity Center, West Campus - Sq.Ft. Est. \$3,300,000
- Transfer Center, Downtown Campus, Gannon Building - Sq.Ft. Est. \$3,800,000
- Capital Region International Airport Properties Demolition - Est. \$1,500,000
- Utility and Energy Training Center - Sq.Ft. Est. \$8,500,000
- Simulation Center, Downtown Campus, Health and Human Services Building - Est. \$7,000,000

Appendix A

Photos of

Campus Buildings



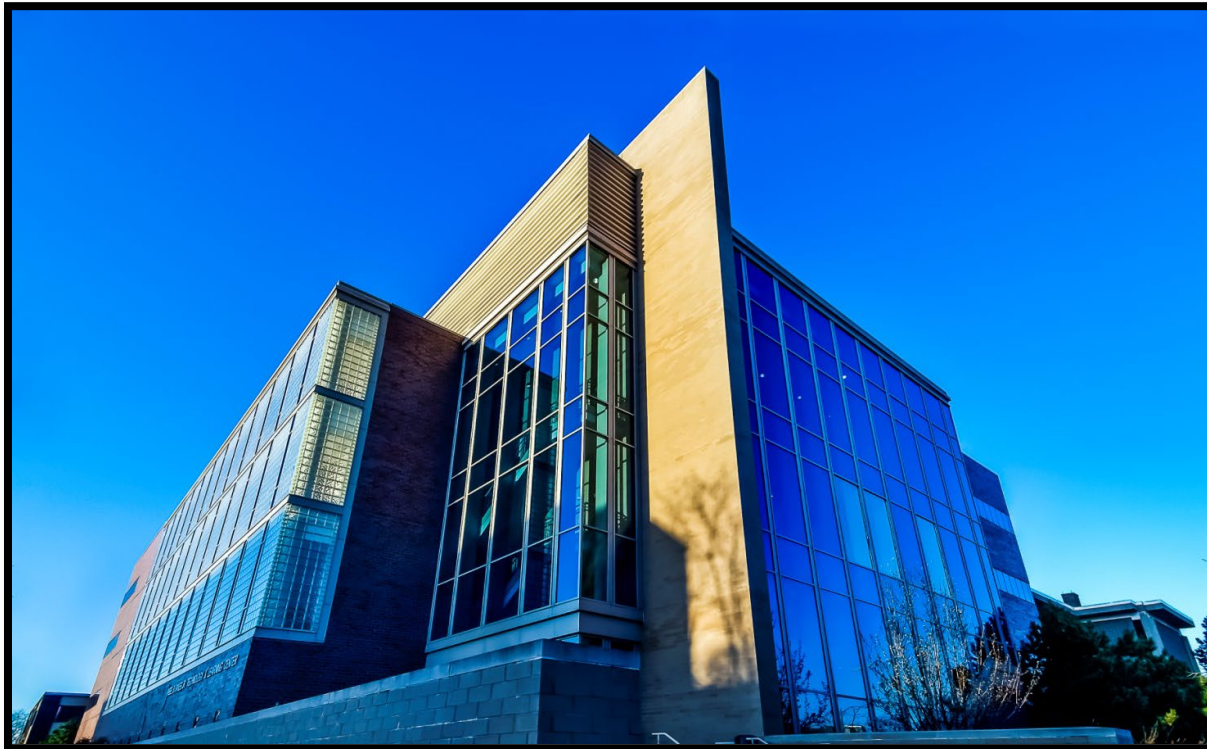
AOF - Academic Office Facility



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 2024

The Lansing Community College Board of Trustees adopted the College's Strategic Plan with the following five areas of focus:

1. Competitiveness and Innovation
2. Engaged Learning and Student Success
3. Community Engagement
4. Diversity, Equity and Inclusion
5. Leadership, Culture and Communication
6. Resource Management and Fiscal Responsibility

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

- 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:
 - o Develop and implement a project management methodology that supports effective communication, tracking, prioritization, and completion of information technology projects
 - o 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.

Information Technology Current and Planned Initiatives

Information Security Initiatives

The following information security initiatives have been identified and prioritized for implementation.

- Migration to Managed SIEM and MDR
- External hosting for lcc.edu website
- External authentication for hosted applications

Application Replacement and Acquisition

In order to support operational needs and application lifecycles, the following services have been targeted for upgrade, replacement, or acquisition.

- Continuing Education and Business Training Information System
- Degree Audit and Tracking System
- SaaS readiness evaluation for primary college applications

Technology Replacement Upgrades

In order to maintain operational effectiveness as an institution, we will continue to cycle out technology assets as their lifecycle expiration warrants replacement or equipment failure occurs. The following services have been targeted for upgrade or replacement.

- Virtual Private Network (VPN) services
- Firewall services
- Server virtualization and storage

HYFLEX classroom expansion continuation

In support of the academic master plan, we will expand the number of classrooms that support mixed modality course offerings allowing more flexibility in scheduling classrooms for concurrent hybrid timeslots.