



Computer Support Technician A.A.S.

Career Community: Computer Technology and Networking

Curriculum Code: 0743

Effective: Fall 2025 – Summer 2030

Purpose of the Major

A computer support technician is highly knowledgeable in both computer hardware and software. This person must not only understand the operation of the computer system, but must also diagnose and repair the system when it fails, make upgrades, and perform preventive maintenance. A computer support technician also answers customers' questions relating to correct use of computers or components and may install new equipment. A successful computer support technician must understand electronics, computer hardware and software, and how they work together to make the computer operate. Computer support technicians are employed in computer sales and service shops and any place a large number of computers are found. Students completing this curriculum may also be eligible to apply for the Computer Technician Certificate of Achievement (0168). Not all courses in this program transfer to all colleges. Students planning to transfer should see an academic advisor before enrolling in any course.

Milestone

In addition to the required General Education courses in Math and English, completion of CITS 125 with a 2.0 or higher is a key component for success in completing this program. Knowledge obtained in these courses is the foundation for learning in other required courses. Students are encouraged to contact their faculty if they need additional assistance with learning the concepts presented in these courses.

Contact Information

For further information, including career options, course substitutions and waivers, etc., contact the Computer Information Technologies Program in the West Campus Building, Room M103, telephone number 517-267-6406 or Student Services West Campus, West Campus Building, Room M016, telephone number 517-267-5452.

Major Required Courses –A minimum grade of 2.0 is required for General Education courses.

Course Code	Course Title	Credit / Billing Hours
ACAD 100	First-Year Experience	1 / 1
CITF 240	IT Project Management	3 / 3
CITI 100	AI Foundations	3 / 3
CITN 230	Linux Operating System	3 / 3
CITN 280	IT Security Foundations	3 / 3
CITO 100	Cloud Foundations with AWS	3 / 3
CITP 110	Intro to Programming-Python	4 / 4
CITS 110	Helpdesk Support Specialist	3 / 3
CITS 125	Computer Support: A+ Cert Prep	6 / 6
CITS 172	Intro to Basic Electronics	4 / 4.5

Course Code	Course Title	Credit / Billing Hours
CITS 225	Networking for PC Technicians	3 / 3
CITS 285	IT Professional Internship	3 / 3
ENGL 121 or ENGL 124 or ENGL 127 or ENGL 131	Composition I Technical Writing Business Writing Honors Composition I	4 / 4 3 / 3 3 / 3 4 / 4
MATH 120 or MATH 126 or MATH 141 or STAT 170 or STAT 215	College Algebra Precalculus Calculus with Applications Introduction to Statistics Intro to Probability and Stats	4 / 4 5 / 5 4 / 4 4 / 4 4 / 4

Notes:

ACAD 100 may be waived when students meet one of the following College-approved waiver criteria:

- Completion of 12 college-level credits with minimum grades of 2.0 shown on the LCC transcript (including transfer, if applicable), or
- Employment in the field of, or a field related to, the degree being sought, or
- For Health Careers students, successful completion of CHSE 100.

Students wishing to waive ACAD 100 should contact their advisor.

Students following specific articulation agreements with Eastern Michigan University in Cybersecurity choose STAT 170 or with Northwood University in Cybersecurity choose MATH 120. All other students considering future transfer should choose the highest MATH or STAT course into which they place to maximize options.

Major Required Courses, Limited Choice –Select three

Course Code	Course Title	Credit / Billing Hours
CITC 282	Ethical Hacking	3 / 3
CITI 120	Data Analysis with Python	3 / 3
CITN 222	Wireless Networking & Security	3 / 3
CITN 250	Microsoft Network Server	3 / 3
CITO 120	Cloud Architecting with AWS	3 / 3
CITO 140	Cloud Development Ops with AWS	3 / 3

Major Required Courses, Limited Choice – Humanities and Fine Arts or Social Sciences or Applied Social Sciences - Select one as recommended or select one from [LCC General Education Applied Degrees: Humanities and Fine Arts or Social Sciences or Applied Social Sciences](#). A minimum grade of 2.0 is required for General Education courses.

Course Code	Course Title	Credit / Billing Hours
ANTH 270	Cultural Anthropology	3 / 3

Course Code	Course Title	Credit / Billing Hours
ARTS 102	2D Design	3 / 4
ECON 201	Principles of Economics-Micro	4 / 4
ECON 202	Principles of Economics-Macro	4 / 4
GEOG 200	World Regional Geography	4 / 4
MGMT 234	Diversity in the Workplace	3 / 3
POLS 201	Intro to Political Science	3 / 3
SOCL 120	Introduction to Sociology	4 / 4

Note:-Students considering future transfer, choose ANTH 270, GEOG 200, POLS 201, or SOCL 120.

Major Required Courses, Limited Choice – Natural Sciences or Applied Sciences and Technology Lab - Select one lab course as recommended or select one from [LCC General Education Applied Degrees: Natural Sciences or Applied Sciences and Technology Lab](#). A minimum grade of 2.0 is required for General Education courses.

Course Code	Course Title	Credit / Billing Hours
BIOL 120	Environmental Science	4 / 6
CHEM 135	Chemistry in Society	4 / 5
GEOL 230	Environmental Geology	4 / 6
ISCI 131	Integrated Physical Science	4 / 6
PHYS 120	The Art of Physics	4 / 5

Note:-Students considering future transfer to Central Michigan University choose BIOL 120.

General Education - Applied Degrees

- English Composition or Applied English
Major Required Courses will fulfill this requirement
- English Composition (second course)/Communication or Applied Communication
Major Required Courses will fulfill this requirement
- Humanities and Fine Arts or Social Sciences or Applied Social Sciences
Major Required Limited Choice Courses will fulfill this requirement
- Mathematics or Applied Mathematics
Major Required Courses will fulfill this requirement
- Natural Sciences Lab or Applied Sciences and Technology Lab
Major Required Limited Choice Courses will fulfill this requirement

Additional Credits

After completing the course and credit requirements as noted on this pathway, students who fall short of the 60-credit minimum required for an Associate Degree may select any course(s) needed to reach 60 credits, except those courses noted in number 7 in the [Institutional Requirements for Associate Degrees](#). Students are encouraged to use Degree Works and meet with an Advisor to ensure all requirements are met and for course recommendations.

Minimum Total Credit Hours

61 credits / 62.5 billing hours

Recommended Course Sequence

Semester I (Fall)
ACAD 100
CITO 100
CITS 110
CITS 125 – Milestone course
CITS 172

Semester II (Spring)
CITP 110
CITS 225
ENGL 121 or ENGL 124 or ENGL 127 or ENGL 131
Limited Choice

Semester III (Fall)
CITI 100
CITN 230
MATH 120 or MATH 126 or MATH 141 or STAT 170 or STAT 215
Limited Choice- Humanities and Fine Arts or Social Sciences or Applied Social Sciences
Limited Choice

Semester IV (Spring)
CITF 240
CITN 280
CITS 285
Limited Choice– Natural Sciences Lab or Applied Sciences and Technology Lab
Limited Choice

LCC makes every effort to limit revisions to the pathways during their effective timeframe. However, the College reserves the right to update certificate and degree titles, and make course changes as needed, without prior notice. The College also reserves the right to discontinue programs when warranted.