

LANSING COMMUNITY COLLEGE

Computer, Engineering/Manufacturing Industrial Technologies

Curriculum Code: 0743
(Effective Fall 2018 –
Summer 2023)

Computer Support Technician A.A.S. Pathway

A computer service 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 service technician also answers customers' questions relating to correct use of computers or components and may install new equipment. A successful computer service technician must understand electronics, computer hardware and software, and how they work together to make the computer operate. Computer service 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 a Certificate of Achievement for Computer Repair Technician (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.

For More Information

Contact the Computer Information Technologies Program in the West Campus Building, Room M103, telephone number (517) 267-6406 or Academic Advising Department, Gannon Building – StarZone, telephone number (517) 483-1904.

Semester I Fall	Course Title	Prerequisites	Credit/Billing Hours
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Program of Study Requirements

CITS 110	Helpdesk Support Specialist	Reading Level 5 and Writing Level 6 and Math Level 4	3 / 3
CITS 125	Computer Support: A+ Cert Prep	Reading Level 5 and Writing Level 4 and Math Level 3	6 / 6
CITS 170	Basic Electronic for PC Repair	Reading Level 5 and Writing Level 2 and Math Level 4	6 / 7

Credits **15 / 16**

Semester II Spring	Course Title	Prerequisites	Credit/Billing Hours
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Writing Core Area - *Select 1*

ENGL 121	Composition I	Reading Level 5 and Writing Level 6 or (Reading Level 4 and Writing Level 4 and ENGL 099 concurrently)	4 / 4
ENGL 124	Technical Writing	Reading Level 5 and Writing Level 6 or (Reading Level 4 and Writing Level 4 and ENGL 099 concurrently)	3 / 3

Program of Study Requirements			
CITN 115	IoT & Automation Fundamentals	Reading Level 4 and Writing Level 4	5 / 6
CITP 110	Intro to Programming-Python	Reading Level 5 and Math Level 4	4 / 4
CITS 176	Computer Troubleshooting	Minimum 2.0 in CITS 170 and Reading Level 5 and Writing Level 2 and Math Level 4	6 / 6
Credits			18-19 / 19-20
Semester III Fall	Course Title	Prerequisites	Credit/Billing Hours
Communication Core Area - <i>Select 1</i>			
COMM 110	Oral Comm in the Workplace	Reading Level 5 and Writing Level 6 or (Reading Level 4 and Writing Level 4 and ENGL 099 concurrently)	3 / 3
COMM 120	Dynamics of Communication	Reading Level 5 and Writing Level 6	3 / 3
COMM 130	Fund of Public Speaking	Reading Level 5 and Writing Level 6	3 / 3
Global Perspectives and Diversity Core Area - <i>Select 1</i>			
MGMT 234	Diversity in the Workplace	Reading Level 5 and Writing Level 6	3 / 3
Math Core Area - <i>Select 1</i>			
MATH 119	Math - Applications for Living	(Minimum 2.0 in MATH 105 or MATH 106 or MATH 107 or Math Level 5) and Reading Level 5 and Writing Level 4	4 / 4
Program of Study Requirements			
CITS 225	Networking for PC Technicians	Minimum 2.0 in CITS 125 and Reading Level 5 and Writing Level 4 and Math Level 3	4 / 4
CITS 230	Computer Virtualization	Minimum 2.0 in CITS 125 and Reading Level 4 and Writing Level 4 and Math Level 3	3 / 3
Credits			17 / 17

Semester IV	Course Title	Prerequisites	Credit/Billing Hours
Science Core Area - <i>Select 1</i>			
BIOL 120	Environmental Science	Reading Level 5 and Writing Level 6 and (Math Level 4 or minimum 2.0 in MATH 105 or MATH 106)	4 / 6
CHEM 135	Chemistry in Society	Reading Level 5 and Writing Level 6 and (Math Level 4 or minimum 2.0 in MATH 105 or minimum 2.0 in MATH 106)	4 / 5
PHYS 120	The Art of Physics	Reading Level 5 and Writing Level 6 and (Math Level 5 or MATH 107 concurrently or MATH 109 concurrently)	4 / 5
Program of Study Requirements			
CITF 240	IT Project Management	Minimum 2.0 in (CITF 110 or CITS 125) and Reading Level 4 and Writing Level 4	3 / 3
CITN 280	IT Security Foundations	Minimum 2.0 in (CITN 220 or CITS 225) and Reading Level 5 and Writing Level 6 and Math Level 3	3 / 3
CITS 285	IT Professional Internship	Department Approval	3 / 3
Additional Computer Classes - <i>Select 1 course</i>			
CITN 222	Wireless Networking & Security	Minimum 2.0 in CITS 125 and Reading Level 5 and Writing Level 6 and Math Level 4	3 / 3
CITN 230	Linux/UNIX Operating System	Minimum 2.0 in ((CITF 120 or CITS 125) and (CITN 220 or CITS 225)) and Reading Level 5 and Writing Level 6 and Math Level 3	3 / 3
CITN 250	Microsoft Network Server	Minimum 2.0 in (CITF 120 or CITS 125) and Reading Level 5 and Writing Level 6 and Math Level 3	3 / 3
Credits			16 / 17-18
Total Credits			66-67 / 69-71