COMPUTER INFORMATION TECHNOLOGY (CIT)

DEVELOPER │ INFRASTRUCTURE & SECURITY
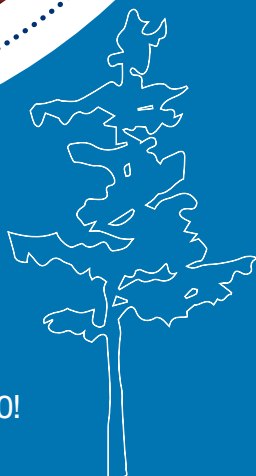
Northwestern Michigan College

ASSOCIATE DEGREE & CERTIFICATES

Two of Michigan's Hot 50 jobs
with the best outlook in the state through 2030!

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YOUR PATHWAY
to a successful career.

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DEVELOPER

With NMC's CIT Developer degree, you'll receive a comprehensive background in developing web, desktop and database applications. You'll also be able to learn on the latest desktop hardware and software in an advanced integrated development environment. Flexible course formats can accommodate your busy schedule.

SOFTWARE DEVELOPERS

23% projected job growth thru 2030

Median wage
$103,830

For workers in Michigan according to the U.S. Bureau of Labor statistics

Global opportunities- work remotely

YEAR 1 CIT - Developer, Associate in Applied Science degree

COURSE	TITLE	CREDITS
FALL		
CIT 110	Programming Logic and Design	3
CIT 178	Relational Databases	3
CIT 180	Web Development	3
ENG 111	English Composition	4
Math Competency		
CREDITS		**13**
SPRING		
CIT 190	JavaScript Programming	3
CIT 195	Application Development	3
CIT 213	Networking Technologies	4
CIT 228	Advanced Database Systems	3
ENG 112	English Composition	
or ENG 220	or Technical Writing	3-4
CREDITS		**16-17**

YEAR 2 CIT - Developer, Associate in Applied Science degree

COURSE	TITLE	CREDITS
FALL		
CIT 218	Web Application Development	3
CIT 255	Object-Oriented Programming	3
Science with lab	(see Gen Ed requirements at nmc.edu/cit)	4
Select TWO of the following specialty electives:		5-6
Any CIT course		
MKT 208	Digital Marketing	
VCA 125	Typography I	
VCA 127	Digital Imaging	
VCA 150	Digital Graphics Design I	
VCA 147	Web Design I	
Select ONE of the following directed electives:		3-4
ACC 121	Accounting Principles I	
BUS 155	Interpersonal Communications	
BUS 231	Professional Communications	
COM 111	Public Speaking	
CREDITS		**18-20**
SPRING		
CIT 280	Systems Analysis and Design	4
CIT 290	CIT Internship	3
PHL 105	Critical Thinking	
or PHL 202	or Contemporary Ethical Dilemmas	3
Social Science	(see Gen Ed requirements at nmc.edu/cit)	3
CREDITS		**13**
	TOTAL CREDITS	**60-63**

Start your journey at NMC:

- Complete an associate degree in 2 years.
- Learn the skills needed to leverage technology in any business or organization.
- Stack certificates toward a more advanced degree.

Community-driven, real-world **internship experiences** available.

YEAR 1
CIT- Infrastructure and Security, Associate in Applied Science degree

COURSE	TITLE	CREDITS
FALL		
CIT 135	Intro. to Programming Using Python	3
CIT 112	Scripting and Automation	3
CIT 160	Cisco Internetworking I	3
CIT 161	Cisco Internetworking II	3
CIT 213	Networking Technologies	4
Math Competency		
CREDITS		**16**
SPRING		
CIT 215	Server Technologies	3
CIT 240	Network Security Management	3
CIT 256	Linux Administration	3
CIT 260	Cisco Internetworking III	3
BUS 155	Interpersonal Communications	3
CREDITS		**15**
SUMMER		
ENG 111	English Composition	4
CREDITS		**4**

YEAR 2
CIT- Infrastructure and Security, Associate in Applied Science degree

COURSE	TITLE	CREDITS
FALL		
CIT 243	Cloud Technologies	3
CIT 247	Windows Identity & Policy	3
CIT 263	Cybersecurity Penetration Testing	3
CIT 264	Cybersecurity Analytics & Threat Analysis	3
ENG 112 or ENG 220	English Composition or Technical Writing	3-4
CREDITS		**15-16**
SPRING		
CIT 266	Advanced Enterprise Security	3
PHL 105 or PHL 202	Critical Thinking or Contemporary Ethical Dilimmas	3
Any Group 1	Science course with lab	4
Any Group 1	Social Science	3
CREDITS		**13**
SUMMER		
CIT 290	CIT Internship	3
CREDITS		**3**
	TOTAL CREDITS	**66-67**

INFRASTRUCTURE & SECURITY

With NMC's CIT Infrastructure & Security degree you'll learn to navigate cyberspace and the billions of connections in it. You'll gain a comprehensive understanding of cybersecurity, computer networking, operating systems, cloud computing and scripting. Flexible course formats can accommodate your busy schedule.

INFORMATION SECURITY ANALYSTS

28% projected job growth thru 2030

Median wage
$103,580

For workers in Michigan according to the U.S. Bureau of Labor statistics

High-paying, in-demand jobs

Start your CIT journey at nmc.edu/cit

CIT

COMPUTER INFORMATION
TECHNOLOGY

NMC awards
$1.5 million
in scholarship
funds annually

INDUSTRY CERTIFICATIONS

NMC partners with the most respected names in the IT industry to make sought-after credentials available to you.

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COMMUNITY INDUSTRY NIGHTS

Meet employers and community organizations and talk tech!

Held about once a month, these evening networking events include food and a tour of the employer's facility.

Stackable certificates

Microsoft CERTIFIED EXPERT

CISCO Networking Academy

CompTIA A+

ITS INFORMATION TECHNOLOGY SPECIALIST

Affordable degrees— in-demand jobs

We're here to support you:

> Learn from industry experts
> Enjoy beautiful Traverse City, MI
> Live on campus
> Stop by the Academic & Career Advising Center
> Meet with a coach at the Student Success Center
> Explore the many scholarships available

Flexible course formats

in-person   online   hybrid   livestream

EMPLOYMENT-READY

"NMC was the best option for me because of the flexible schedules for young adults that are working. CIT is definitely a growing field and there is job security involved."

– Sammi Sortzi,
Current CIT Developer student

Get started today!

Connect with us

Northwestern Michigan College
1701 E. Front Street, Traverse City, MI
Admissions: (231) 995-1054
CIT: (231) 995-1169
nmc.edu/cit | cit@nmc.edu