

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.



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



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! →



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

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

COMPUTER INFORMATION TECHNOLOGY (CIT)

DEVELOPER | INFRASTRUCTURE & SECURITY



ASSOCIATE DEGREE & CERTIFICATES

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



Northwestern Michigan College

```
select=1
"job"."mirror_ob)
er"ob" modifier_ob)
ier on modifier_ob)
modifier_ob.modifie
ct to mirror_ob
rror_object = mirro
"MIRROR_X":
e_x = True
e_y = False
e_z = False
= "MIRROR_Y":
```

YOUR PATHWAY to a successful career.

DEGREES:

- > CIT Developer
- > CIT Infrastructure & Security

CERTIFICATES:

- > Computer Support Specialist
- > Cybersecurity Specialist
- > Infrastructure Specialist
- > Office Applications Specialist
- > Web Developer
- > Developer

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.



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 or	English Composition or	
	ENG 220	Technical Writing	3-4
		CREDITS	

YEAR 2 CIT - Developer, Associate in Applied Science degree

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		
SPRING		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
		TOTAL CREDITS		60-63

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

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	English Composition	
	or ENG 220	or Technical Writing	3-4
	CREDITS		15-16
SPRING	CIT 266	Advanced Enterprise Security	3
	PHL 105	Critical Thinking	
	or PHL 202	or Contemporary Ethical Dilemmas	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