

Computer Network Engineering Technology (NETC)

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The Computer Network Engineering Technology program emphasizes the design, installation, and support of an organization's local area network (LAN), wide area network (WAN), network segment, internet, or intranet system.

Graduates of the program earn an Associate of Applied Science degree and are prepared to provide day-to-day, on-site administrative support for a variety of work environments, including professional offices, small businesses, schools, government agencies, and large corporations.

For more information, please contact the Center for Innovative Technologies at (513) 569-1743.

To apply for this program at Cincinnati State, visit our Admissions Page (<http://www.cincinnati.state.edu/academics/admission>)

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Semester 1		Lec	Lab	Credits
NETC 121	Network Communications 1 (B)	2	2	3
FYE 1XX	First Year Experience Elective (B)	1	0	1
MAT 125	Algebra and Trigonometry (B)	3	2	4
ENG 101	English Composition 1 (G)	3	0	3
EET 131	Circuit Analysis 1 (T)	3	2	4
CIT 190	Career Preparation: Engineering and Information Technologies (T)	1	0	1
Semester 2				
MAT 126	Functions and Calculus (G)	3	2	4
EET 121	Digital Systems 1 (T)	2	2	3
EET 132	Circuit Analysis 2 (T)	3	2	4
NETA 155	Server Administration 1 (B)	3	2	4
Semester 3				
XXX XXX	Cooperative Education or Transfer Elective 1 (T)	1	40	2
Semester 4				
PHY 151	Physics 1: Algebra and Trigonometry-Based (B)	3	3	4
NETC 122	Network Communications 2 (T)	2	2	3
NETC 230	Network Security Design (T)	2	2	3

EET 122	Digital Systems 2 (T)	2	3	3
Semester 5				
NETC 240	Emerging Topics in Computer Network Engineering Technology (T)	2	3	3
NETC 290	Computer Network Engineering Technology Capstone Project (T)	2	2	3
ENG 10X	English Composition Elective (G)	3	0	3
XXX XXX	Arts/ Humanities or Social/ Behavioral Science Elective (G)	3	0	3
Semester 6				
XXX XXX	Cooperative Education or Transfer Elective 2 (T)	1	40	2
Total Credits:		45	109	60

Electives

First Year Experience Elective

FYE 100	College Survival Skills	1
FYE 105	College Success Strategies	2
FYE 110	Community College Experience	3

English Composition Elective

ENG 102	English Composition 2: Contemporary Issues	3
ENG 103	English Composition 2: Writing about Literature	3
ENG 104	English Composition 2: Technical Communication	3
ENG 105	English Composition 2: Business Communication	3

Arts/Humanities or Social/Behavioral Science Elective

PHI 110	Ethics	3
PSY 110	Introduction to Psychology	3
SOC 105	Introduction to Sociology	3

Cooperative Education or Transfer Electives *

NETC 291	Full-Time Cooperative Education 1: Computer Network Engineering Technology	2
NETC 292	Full-Time Cooperative Education 2: Computer Network Engineering Technology	2
EET 251	Electronics	4
EMET 240	Programmable Logic Controllers, Motors, Motor Controls, and Kinematics	3
EMET 250	Servomechanisms	3
IT 101	.NET Programming 1	3
IT 110	HTML with CSS and JavaScript	3
IT 111	Database Design and SQL 1	3
IT 115	Operating Systems Administration 1	3

IT 161 Java Programming 1 3

- * Program Chair approval is required for students planning to take a Transfer Elective course rather than participate in cooperative education.

The letters G, B, and T (displayed after course titles or elective descriptions) identify types of courses required by the Ohio Department of Higher Education as part of an associate's degree curriculum.

G = General Education course in this curriculum

B = Basic Skills course in this curriculum

T = Technical course in this curriculum

Faculty

Program Chair/Advisor

Professor Paul Weingartner, PE, BS
paul.weingartner@cincinnatiastate.edu

Co-op Coordinator

Professor Noelle Grome, ME, MA
noelle.grome@cincinnatiastate.edu