

Computer Network Engineering Technology - Cyber-Security Major (NETCCS)

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The Computer Network Engineering Technology - Cyber-Security Major combines technical knowledge and skills with understanding of security planning, risk mitigation, and related documentation requirements.

Graduates earn an Associate of Applied Science degree and are prepared to assist organizations that must comply with federal or state government regulations related to information security, or must meet payment card industry requirements to safeguard customer information or other sensitive data.

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.edu/academics/admission>)

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Semester 1		Lec	Lab	Credits
NETC 121	Network Communications 1 (B)	2	2	3
MAT 131	Statistics 1 (G)	2	2	3
ENG 101	English Composition 1 (G)	3	0	3
MGT 130	Project Management (B)	3	0	3
FYE 1XX	First Year Experience Elective (B)	1	0	1
CIT 190	Career Preparation: Engineering and Information Technologies (T)	1	0	1
Semester 2		Lec	Lab	Credits
NETC 122	Network Communications 2 (T)	2	2	3
NETC 170	Governance and Management of IT (B)	3	3	4
NETA 155	Server Administration 1 (B)	3	2	4

XXX XXX	Arts/ Humanities or Social/ Behavioral Science Elective (G)	3	0	3
Semester 3		Lec	Lab	Credits
Cooperative Education or Transfer Elective 1 (T)		1	40	2
Semester 4		Lec	Lab	Credits
NETC 180	Information Risk Management (T)	3	3	4
NETC 230	Network Security Design (T)	2	2	3
COMM 110	Public Speaking (B)	3	0	3
ENG 10X	English Composition Elective (G)	3	0	3
PHY XXX	Physics Elective (G)	2	2	3
Semester 5		Lec	Lab	Credits
NETC 240	Emerging Topics in Computer Network Engineering Technology (T)	2	3	3
NETC 280	IT Documentation (T)	3	3	4
NETC 290	Computer Network Engineering Technology Capstone Project (T)	2	2	3
IT 215	Scripting (T)	2	2	3
Semester 6		Lec	Lab	Credits
Cooperative Education or Transfer Elective 2 (T)		1	40	2
Total Credits:		47	108	61

Electives

First Year Experience Elective

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

Arts/Humanities or Social/Behavioral Science Elective

PHI 110	Ethics	3
ECO 105	Principles of Microeconomics	3
PSY 110	Introduction to Psychology	3
SOC 105	Introduction to Sociology	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

Physics Elective

PHY 150	Introduction to Physics	3
PHY 151	Physics 1: Algebra and Trigonometry-Based	4
PHY 201	Physics 1: Calculus-Based	5

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
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
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Co-op Coordinator

Professor Noelle Grome, ME, MA
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