

CYBER SYSTEMS TECHNOLOGY, BACHELOR OF SCIENCE (B.S.)

The Cyber Systems Technology degree program has an articulation agreement for transfer of credit and cooperation with Bluegrass Community and Technical College's Associate in Applied Science Degree in Engineering Technology with Electrical Specialization.

Prerequisites may be required for some course selections.

Students must take at least one computer systems, networking, security, electronics, or telecommunications technology certification or license exam approved by the advisor.

Students must take a Cyber Systems Technology exit examination before graduation. Graduates must have an overall GPA of 2.25 in major requirements.

The Cyber Systems Technology program is accredited by the Association of Technology, Management, and Applied Engineering (ATMAE).

Program Requirements

CIP Code: 15.1299

Major

Code	Title	Hours
University Graduation Requirements		
General Education (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/)		36
<i>Foundations of Learning</i>		
GSD 101	Foundations of Learning	3
Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)		
Major Requirements		
<i>Core Courses</i>		
AEM 202	Introduction to Quality	3
AEM 310	Technical Communication	3
AEM 408	Human Resource Development	3
EET 252	Digital Electronics	3
EET 351	Programmable Logic Controllers	3
NET 302	PC Troubleshooting & Construction	3
NET 303	LANs & PC Communications	3
NET 343	Network Switches & Routers	3
NET 349	Applied Learning in NET	1
NET 354	Microcomputer & Network Security	3
NET 361	Cloud Technology Foundations	3
NET 395	Special Topics in NET	2-3
NET 403	Advanced LANSs and PC Communication	3
NET 499	Senior Capstone	3
STA 215	Introduction to Statistical Reasoning	3
<i>Major Electives</i>		
AEM 407 or MIS 410	Fundamentals of Project Management Project Management & Practice	3

TEC 161 or INF 104	Computer Applications in Technology Computer Literacy with Software Applications	3
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Concentrations
Students must select one of the following Concentrations: 24

Network Security & Electronics
Tech Systems

Supporting Course Requirements

ECO 120	Economic Reasoning and Issues (or higher) (Element 5B) ^G	
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MAT 112A & MAT 112B	Algebra: Polynomials and Algebra: Functions & Matrices (Recommend MAT 114, 120, or 211) (Element 2) ^G	
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PHY 101	Conceptual Physics (or higher) (Element 4) ^G	
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Choose from three hours of ACC, AEM, BUS, CCT, FIN, MGT, MIS, MKT, or RMI electives as approved by major advisor 3

Free Electives
Choose 4.5 hours of free electives 4.5

(Up to five semester hours of Upper Division courses, including Cooperative Education, may be needed for meeting the 42 hour requirement. Students with an ACT Math sub-score of 19-21 may consider taking CSC 101 (The World of Code) to build computing competencies early in the degree program.)

Exit Requirements

NET 467	Exit Exam for BS in CST	0.5
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Total Hours 120

G Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.

Network Security & Electronics Concentration

Code	Title	Hours
Network Security & Electronics Concentration Courses		
EET 251	Electricity and Electronics	3
EET 257	Electronic Devices and Circuits	3
NET 344 or NET 440	Advanced Network Devices Wired/Wireless Communications	3
NET 454	Wireless/WAN Security	3
Choose from twelve hours of CSC, MIS, or INF courses of the following:		12
CSC 140	Introduction to Computer Game Design (or higher)	
MIS 215	Introduction to Business Programming (or higher)	
INF 130	3D Printing (or higher)	
Total Hours		24

Tech Systems Concentration

Code	Title	Hours
Concentration Courses		
Choose from 24 hours of computer systems, electricity & electronics, and networking related technical electives as approved by major advisor. This is the recommended option for transfer students with 24 or more hours of technology-related coursework completed.		24
Total Hours		24