Title

**University Graduation Requirements** 

Supporting Course Requirements

(Element 5B) G

ECO 120

Hours

36

# CYBER SYSTEMS TECHNOLOGY, BACHELOR OF SCIENCE WITH A CONCENTRATION IN TECH SYSTEMS (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

# **Summary Checklist for General Education**

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Code	Title	Hours
Element 1		
	mmunication (http://catalogs.eku.edu/undergraduat emic-information/general-education-requirements/	e/ 3
	mmunication (http://catalogs.eku.edu/undergraduat emic-information/general-education-requirements/	e/ 3
	unication (http://catalogs.eku.edu/undergraduate/ emic-information/general-education-requirements/	3
Element 2		
	Reasoning (http://catalogs.eku.edu/undergraduate/ emic-information/general-education-requirements/	3
Element 3		
	/catalogs.eku.edu/undergraduate/general-academic Jeneral-education-requirements/element-3/)	- 3
	s (http://catalogs.eku.edu/undergraduate/general- ormation/general-education-requirements/element-3	3
Element 4		
	ces (http://catalogs.eku.edu/undergraduate/general ormation/general-education-requirements/element-4	
Element 5		

A: Historical Science (http://catalogs.eku.edu/undergraduate/	3
general-academic-information/general-education-requirements/ element-5/)	
B: Social Behavioral Science (http://catalogs.eku.edu/	3
undergraduate/general-academic-information/general-education-	3
requirements/element-5/)	

### Element 6

Diversity of Perspectives Experiences (http://catalogs.eku.edu/	
undergraduate/general-academic-information/general-educatio	n-
requirements/element-6/)	

Total Hours 36

Students are expected to complete Elements 1 and 2 within their first 60 hours of college credit.

# Major Code

**General Education** 

Student Success S	eminar	
SCO 100 Student Success Seminar (waived for transfers with 30+ hrs.)		
• •	urses (42 hrs. distributed throughout Major/ d/Free Electives categories)	
Major Requiremen	nts	
Core Courses		
AEM 202	Introduction to Quality	3
AEM 310W	Technical Communication	3
AEM 408 Human Resource Development		
EET 252	Digital Electronics	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 403	Advanced LANSs and PC Communication	3
NET 361	Cloud Technology Foundations	3
NET 499	Senior Capstone	3
Major Electives		
AEM 407	Fundamentals of Project Management	3
or CIS 410	Project Management and Practice	
AEM 352	Robotics and Automated Systems	3
or EET 253	Microprocessor Control Systems	
or EET 351	Programmable Logic Controllers	
or NET 440	Wired/Wireless Communications	
TEC 161	Computer Applications in Technology	3
or INF 104	Computer Literacy with Software Applications	
Concentrations		
Students must se	lect one of the following Concentrations:	24
Network Secur	ity & Electronics	
Tech Systems		

Economic Reasoning and Issues (or higher)

MAT 112A & MAT 112B	Algebra: Polynomials and Algebra: Functions & Matrices (or higher)	
Q WAT TIZD	(Element 2) G	
PHY 101	Conceptual Physics (or higher) (Element 4) <sup>G</sup>	
STA 215	Introduction to Statistical Reasoning	3-4
or STA 270	Applied Statistics	
	e hours of ACC, AEM, CCT, CIS, FIN, MGT, MKT, or approved by major advisor	3
Free Electives		
Choose from 9-10	hours of free electives	9-10
Cooperative Educate requirement. Stud consider taking CS	ter hours of Upper Division courses, including ation, may be needed for meeting the 42 hour ents with an ACT Math sub-score of 19-21 may SC 101 (The World of Code) to build computing ly in the degree program.)	
Exit Requirements		
NET 467	Exit Exam for BS in NET (CR only, no hours)	0
Total Hours		120

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

## Concentration

Code	Title	Но	urs
Concentrati	on Courses		
and network	king related techni	puter systems, electricity & electronics, cal electives as approved by major ded option for transfer students.	24
<b>Total Hours</b>			24