

**CURRICULUM GUIDE**  
**Cyber Systems Technology (Network Security and Electronics Concentration)**  
**2021-2022**

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The schedule below is an **EXAMPLE** of how you can arrange your class schedule.  
 Please consult your advisor for specific changes that may need to be made.

	Fall Semester		Spring Semester	
<b>Freshman Year</b>	BTO 100	1	NET 302	3
	EET 252	3	NET 303	3
	TEC 161	3	EET 257	3
	EET 251	3	† Concentration Elective	3
	⊙ MAT 112A <i>and</i> 112B (or higher) (fulfills Gen. Ed. 2)	3	Gen. Ed 1B (ENG 102)	3
	Gen. Ed. 1A (ENG 101)	3		
	<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>15</b>
<b>Sophomore Year</b>	AEM 352, EET 253, <i>or</i> EET 351	3	⊙ ECO 130 (or higher) (fulfills Gen. Ed. 5B)	3
	NET 354	3	NET 343	3
	NET 395	3	NET 349	1
	† Concentration Elective	3	STA 215 <i>or</i> 270	3-4
	Gen. Ed. 1C (Comm.)	3	⊙ PHY 101 (or higher) (fulfills Gen. Ed. 4)	3
			Gen. Ed. 3B (Humanities)	3
	<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>16-17</b>
<b>Junior Year</b>	AEM 202	3	AEM 310W	3
	NET 344	3	BTS 300	0
	NET 395 <i>or</i> NET 440	3	NET 403	3
	† Concentration Elective	3	‡ Supporting Course Elective	3
	Free Elective	3	Gen. Ed. 3A (Arts)	3
			Gen. Ed. 4 (Nat. Sci.)	3
	<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>15</b>
<b>Senior Year</b>	AEM 407	3	AEM 408	3
	NET 454	3	BTS 400	0
	Gen. Ed. 5A (History)	3	NET 499 (ACCT)	3
	Gen. Ed. 6 (Diversity)	3	NET 467	0
	Free Elective (Co-op recommended)	3	Gen. Ed. 6 (Diversity)	3
			Free Elective (Co-op recommended)	3-4
	<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>12-13</b>
<b>TOTAL HOURS TO DEGREE COMPLETION</b>				<b>120</b>

Course Number	Course Name
<b>GENERAL EDUCATION &amp; UNIVERSITY REQUIREMENTS (37)</b>	
BTO 100	Business and Technology Orientation (1)
<b>COLLEGE OF BUSINESS REQUIREMENT</b>	
BTS 300	Professional Skills Seminar (0)
BTS 400	College to Careers Seminar (0)
<b>CORE COURSE REQUIREMENTS (43)</b>	
AEM 202	Introduction to Quality (3)
AEM 310W	Technical Communication (3) (writing intensive)
AEM 407	Fundamentals of Project Management (3) (fall only)
AEM 408	Human Resource Development (3)
EET 252	Digital Electronics (3)
NET 302	PC Troubleshooting and Construction (3)
NET 303	LANs and PC Communications (3)
NET 343	Network Switches and Routers (3)
NET 349	Applied Learning in NET (1)
NET 354	Microcomputer and Network Security (3)
NET 395 <i>or</i> NET 440	Special Topics in NET (3) Wired/Wireless Communications (3)
NET 403	Advanced LANs and PC Communication (3)
NET 499	Senior Capstone (3) (spring only)
TEC 161	Computer Applications in Technology (3)
<b>PLUS THREE (3) HOURS selected from:</b>	
AEM 352	Robotics and Automated Systems (3)
EET 253	Microprocessor Control Systems (3)
EET 351	Programmable Logic Controllers (3)
<b>NETWORK SECURITY AND ELECTRONICS CONCENTRATION REQUIREMENTS (24)</b>	
EET 251	Electricity and Electronics (3)
EET 257	Electronic Devices and Circuits (3)
NET 344	Advanced Network Devices (3)
NET 395	Special Topics in NET (3)
NET 454	Wireless/WAN Security (3)
† PLUS NINE (9) HOURS of CSC/CIS/INF courses (CSC 160 or higher), or (CIS 215 or higher), or (INF 130 or higher) (concentration electives)	
<b>SUPPORTING COURSE REQUIREMENTS (6-7)</b>	
⊙ ECO 130	Contemporary Economic Problems (3)
⊙ MAT 112A <i>and</i> MAT 112B	Algebra: Polynomials (1.5) Algebra: Functions and Matrices (1.5)
⊙ PHY 101	Conceptual Physics (3)
STA 215 <i>or</i> STA 270	Introduction to Statistical Reasoning (3) Applied Statistics (4)
‡ PLUS THREE (3) HOURS of ACC, AEM, CCT, CIS, FIN, GBU, MGT, MKT, QMB, or RMI upper division electives as approved by major advisor (supporting course elective)	
<b>EXIT REQUIREMENT (0)</b>	
NET 467	Exit Exam for BS in NET (0)
<b>FREE ELECTIVES (9-10)</b>	

⊙ Denotes that 3 credit hours from this course are/can be applied to fulfill a Gen. Ed. requirement.

\* **PREREQUISITES:** Consult with your advisor and/or the University catalog regarding prerequisites for upper division courses in your major.

**Upper division courses:** All students are required to have a minimum of 42 hrs. upper division (300 level or above) courses distributed throughout Major/Supporting/Gen Ed/Free Electives categories.

Refer to the University Catalog at <http://www.catalogs.eku.edu/> regarding University and General Education Requirements. All baccalaureate degree seeking students who enter the University are required to successfully complete one writing intensive course following completion of the ENG 102, ENG 105, or HON 102/103. Writing intensive courses are designated with the suffix "W" following the course prefix and number (e.g. HUM 300W).

**Applied Critical & Creative Thinking (ACCT) Requirement:** Cyber Systems Technology majors will fulfill ACCT with NET 499. (Credit hours are incorporated into program requirements.)