

# CURRICULUM GUIDE

## 3+2 Cyber Systems Technology (Network Security and Electronics Concentration),

3+2 CST (NET) – BS ONLY

2023-2024

Website: [www.csit.eku.edu](http://www.csit.eku.edu)

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Department of Computer Science and Information Technology (CSIT)

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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		Course Number	Course Name	
Freshman Year	SCO 100	1	EET 257	3	GENERAL EDUCATION & UNIVERSITY REQUIREMENTS (37)		
	EET 251	3	NET 302	3	SCO 100 Student Success Seminar (1)		
	EET 252	3	NET 303	3	CORE COURSE REQUIREMENTS (43)		
	(TEC 161 or INF 104)	3	† Concentration Elective	3	AEM 202	Introduction to Quality (3)	
	Ⓔ MAT 112A <u>and</u> 112B (or higher, such as MAT 114 or 120) (fulfills Gen. Ed. 2)	3	Gen. Ed 1B (ENG 102)	3	AEM 310	Technical Communication (3)	
	Gen. Ed. 1A (ENG 101)	3			AEM 408	Human Resource Development (3)	
	TOTAL	16	TOTAL	15	AEM 804	Project Management (3)	
Sophomore Year	(EET 351, AEM 352, EET 253, <u>or</u> NET 440)	3	Ⓔ ECO 120 (or higher) (fulfills Gen. Ed. 5B)	3	EET 252	Digital Electronics (3)	
	NET 354	3	NET 343	3	NET 302	PC Troubleshooting & Construction (3)	
	NET 395	3	NET 349	1	NET 303	LANs & PC Communications (3)	
	† Concentration Elective	3	(STA 215 <u>or</u> 270)	3-4	NET 343	Network Switches & Routers (3)	
	Gen. Ed. 1C (Oral Comm.)	3	Ⓔ PHY 101 (or higher) (fulfills Gen. Ed. 4)	3	NET 349	Applied Learning in NET (1)	
			Gen. Ed. 3B (Humanities)	3	NET 354	Microcomputer & Network Security (3)	
	TOTAL	15	TOTAL	16-17	NET 361	Cloud Technology Foundations (3)	
Junior Year	AEM 202	3	AEM 310	3	NET 403	Advanced LANs and PC Communication (3)	
	NET 344	3	NET 403	3	NET 499	Senior Capstone (3) (spring only)	
	NET 361	3	Gen. Ed. 3A (Arts)	3	NSM 815	Foundations of Network Security (3)	
	† Concentration Elective	3	Gen. Ed. 4 (Nat. Sci.)	3	NSM 845	Advanced Server Security (3)	
	Free Elective (Co-op recommended)	3	Free Elective (NET 395 or Co-op recommended)	3	PROGRAM ELECTIVES (6)		
					Select THREE (3) HOURS from:		
	TOTAL	15	TOTAL	15	AEM 352	Robotics and Automated Systems (3)	
Senior Year	AEM 804	3	AEM 408	3	EET 253	Microprocessor Control Systems (3)	
	NET 454	3	NET 467	0	EET 351	Programmable Logic Controllers (3)	
	NSM 815	3	NET 499 (ACCT)	3	NET 440	Wired/Wireless Communications (3)	
	Gen. Ed. 5A (History)	3	NSM 845	3	Select THREE (3) HOURS from:		
	Gen. Ed. 6 (Div. of per. and exp.)	3	Gen. Ed. 6 (Div. of per. and exp.)	3	INF 104	Computer Literacy with Software Applications (3)	
			Free Elective (Co-op recommended)	0-1	TEC 161	Computer Applications in Technology (3)	
	TOTAL	15	TOTAL	12-13	NETWORK SECURITY AND ELECTRONICS CONCENTRATION REQUIREMENTS (24)		
TOTAL HOURS TO DEGREE COMPLETION					120	EET 251	Electricity and Electronics (3)
						EET 257	Electronic Devices & 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)	
						SUPPORTING COURSE REQUIREMENTS (3-4)	
						Ⓔ ECO 120	Economic Reasoning and Issues (3)
						Ⓔ MAT 112A <u>and</u>	Algebra: Polynomials (1.5)
						Ⓔ MAT 112B	Algebra: Functions and Matrices (1.5)
						Ⓔ PHY 101	Conceptual Physics (3)
						STA 215 <u>or</u>	Introduction to Statistical Reasoning (3)
						STA 270	Applied Statistics (4)
						EXIT REQUIREMENT (0)	
						NET 467	Exit Exam for BS in NET (0)
						FREE ELECTIVES (6-7)	
						Co-operative education, NET 349, recommended as free electives or NET 395 (Special Topics in NET) taken with a unique topic.	

\* 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.

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Refer to the University Catalog at <http://www.catalogs.eku.edu/> regarding University and General Education Requirements.

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

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