CURRICULUM GUIDE

Department of Computer Science and Information Technology (CSIT)

Cyber Systems Technology (Tech Systems Concentration), B.S., CST (TS) 2023-2024

521 Lancaster Ave. 417 Wallace Bldg.

Website: https://www.eku.edu/csit/ Email Contact: kuangnan.chang@eku.edu Richmond, KY 40475 859-622-2398

CST (TS) Program Coordinator: vigs.chandra@eku.edu

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	
Freshman	SCO 100	1	† Concentration Elective	3
	(TEC 161 <u>or</u> INF 104)	3	† Concentration Elective	3
Year	† Concentration Elective	3	Gen. Ed 1B (<i>ENG 102</i>)	3
	† Concentration Elective	3	Free Elective	3
	^G MAT 112A <u>and</u> 112B (or higher,		Free Elective	3
	such as MAT 114 or 120) (fulfills			
	Gen. Ed. 2)	3		
	Gen. Ed. 1A (<i>ENG 101</i>)	3		
	, ,	16	TOTAL	45
	TOTAL	16	TOTAL	15
Sophomore	^G ECO 120 (or higher) (fulfills Gen.		^G PHY 101 (or higher) (fulfills	
Year	Ed. 5B)	3	Gen. Ed. 4)	3
i cai	† Concentration Elective	3	[STA 215 <u>or</u> 270]	3-4
	† Concentration Elective	3	† Concentration Elective	3
	Gen. Ed. 1C (Comm.)	3	† Concentration Elective	3
	Free Elective	0-1	Gen. Ed. 3B (Humanities)	3
	TOTAL	12-13	TOTAL	15-16
Junior	AEM 202	3	AEM 310	3
	EET 252	3	NET 343	3
Year	NET 302	3	NET 354	3
	NET 303	3	NET 361	3
	Gen. Ed. 3A (<i>Arts</i>)	3	NET 403	3
	TOTAL	45	TOTAL	15
	TOTAL	15	TOTAL	15
Senior	AEM 407 <u>or</u> CIS 410	3	AEM 408	3
Year	AEM 352, EET 253, EET 351, <u>or</u>		NET 467	0
rear	NET 440	3	NET 499	3
	NET 349	1	Gen. Ed. 4 (Nat. Sci.)	3
	Supporting Course Elective	3	Gen. Ed. 5A (<i>History</i>)	3
	Gen. Ed. 6 (<i>Div. of per. and exp.</i>)	3	Gen. Ed. 6 (<i>Div. of per. and</i>	3
	Free Elective (Co-op, NET 395,		exp.)	
	or NET 454 recommended)	2-4		
	TOTAL	15-17	TOTAL	15
	IOIAL	19-1/	IOIAL	12
TOTAL HOURS TO DEGREE COMPLETION 120				

^{*} 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.

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Course	Course Name			
Number				
GENERAL EDUCATION & UNIVERSITY REQUIREMENTS (37)				
SCO 100	Student Success Seminar (1)			
CORE COURSE REQUIREMENTS (34)				
AEM 202	Introduction to Quality (3)			
AEM 310	Technical Communication (3)			
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 NET 361	Microcomputer and Network Security (3) (3)			
NET 403	Advanced LANs and PC Communication (3)			
NET 499	Senior Capstone (3) (spring only)			
PROGRAM ELECTIVES (9)				
Select THREE	(3) HOURS from:			
AEM 407	Fundamentals of Project Management (3) (fall only)			
CIS 410	Project Management and Practice (3)			
Select THREE (3) HOURS from:				
AEM 352	Robotics and Automated Systems (3)			
EET 253	Microprocessor Control Systems (3)			
EET 351	Programmable Logic Controllers (3)			
NET 440 Wired/Wireless Communications (3)				
Select THREE (3) HOURS from:				
INF 104	Computer Literacy with Software Applications (3)			
TEC 161	Computer Applications in Technology (3)			
TECH SYSTEMS CONCENTRATION REQUIREMENTS (24)				
† TWENTY-FOUR (24) HOURS of course work in computer				
systems, electricity and electronics, and networking related technical electives as approved by major adviser. (This				
concentration is recommended for transfer students).				
SUPPORTING COURSE REQUIREMENTS (6-7)				
^G ECO 120	Economic Reasoning and Issues (3)			
^G MAT 112A	- · · · · · · · · · · · · · · · · · · ·			
G MAT 112B Algebra: Functions and Matrices (1.5)				
^G PHY 101	Conceptual Physics (3)			
STA 215 <u>or</u> STA 270	Introduction to Statistical Reasoning (3) Applied Statistics (4)			
‡ PLUS THREE	E (3) HOURS of AAC, AEM, CCT, CIS, FIN, GBU,			
MGT, MKT, or RMI upper division electives as approved by				
major advisor (supporting course elective)				
EXIT REQUIREMENT (0)				
NET 467	Exit Exam for BS in NET (0)			
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Students with an ACT Math sub-score of 19-21 may consider

Co-operative education, NET 349, recommended as free

taking CSC 101 (The World of Code) to build computing

electives or NET 395 (Special Topics in NET) taken with a unique

FREE ELECTIVES (9-10)

competencies early in the degree program.

⁶ Denotes that 3 credit hours from this course are/can be applied to fulfill a Gen. Ed. requirement.