

CURRICULUM GUIDE
Cyber Systems Technology (Tech Systems 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	
Freshman Year	BTO 100	1	NET 302	3
	EET 252	3	NET 303	3
	TEC 161	3	† Concentration Elective	3
	† Concentration Elective	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		
	TOTAL	16	TOTAL	15
Sophomore Year	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
	† Concentration Elective	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
	TOTAL	15	TOTAL	16-17
Junior Year	AEM 202	3	AEM 310W	3
	NET 395 <i>or</i> NET 440	3	BTS 300	0
	† Concentration Elective	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
TOTAL	15	TOTAL	15	
Senior Year	AEM 407	3	AEM 408	3
	† Concentration Elective	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
TOTAL	15	TOTAL	12-13	
TOTAL HOURS TO DEGREE COMPLETION		120		

Course Number	Course Name
GENERAL EDUCATION & UNIVERSITY REQUIREMENTS (37)	
BTO 100	Business and Technology Orientation (1)
COLLEGE OF BUSINESS REQUIREMENT (0)	
BTS 300	Professional Skills Seminar (0)
BTS 400	College to Careers Seminar (0)
CORE COURSE REQUIREMENTS (43)	
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)
PLUS THREE (3) HOURS selected from:	
AEM 352	Robotics and Automated Systems (3)
EET 253	Microprocessor Control Systems (3)
EET 351	Programmable Logic Controllers (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 advisor. (This concentration is recommended for transfer students).	
SUPPORTING COURSE REQUIREMENTS (6-7)	
° 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 AAC, AEM, CCT, CIS, FIN, GBU, MGT, MKT, QMB, 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)
FREE ELECTIVES (9-10)	

* **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.)

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