Course Map - B.S. - Cyber Systems Technology - Tech Systems Concentration Year 1 Year 2 Year 3 Year 4 Spring 15 hrs Fall 16 hrs Spring 15 hrs Fall 12-13 hrs Spring 15-16 hrs Fall 15 hrs **Fall** 15-17 hrs Spring 15 hrs Concentration Concentration Concentration Concentration **EET 351** Elective Elective Elective Elective **NET 343 NET 499 EET 252** Programmable Logic Concentration Concentration Concentration Concentration Network Switches & Controllers **Digital Electronics** [3] Routers Elective Elective Elective Elective **AEM 352 Senior Capstone** PHY 101 or Robotics and Free Elective **Automated Systems TEC 161** higher Free Elective [0-1]Computer GEN ED 4 **NET 302 NET 354 EET 253** Applications in PC Troubleshooting Technology Microcomputer & Microprocessor Oral Comm. **AEM 408 STA 215** Free Elective <u>or</u> & Construction **Network Security** Control Systems GEN ED 1C Intro to Statistical **Human Resource INF 104** Development Reasoning Computer Literacy ECO 120 or **NET 440** with Software or STA 270 [4] higher Wired/Wireless **Applications Applied Statistics** GEN ED 5 **NET 303** Communications **NET 361** LANs & PC **MAT 112A** Pick one **Cloud Technology NET 467** Communications Alegbra: **Foundations Humanities Polynomials Exit Exam CIS 410 GENED 3B** and [0] Project **MAT 112B** Management and Algebra: Functions **Practice AEM 202** and Matricies Introduction to **NET 403 AEM 407** Quality Natural Science Advanced LANs and **Fundamentals of** SCO 100 [1] GEN ED 4 PC Communication Project Management History **ENG 102 ENG 101** Arts Pick <u>one</u> **GEN ED 5A GEN ED 3A** GEN ED 1A GEN ED 1B Diversity of **NET 349 AEM 310W** Legend Perspectives Applied Learning in Technical **NET/Cooperative** & Experiences **Major Electives** Communication **Core Courses** Study: CET/CEN GEN ED 6 **Supporting Courses Tech Systems** Supporting Course Concentration Elective Gen Ed Courses Free Elective Diversity of **Perspectives** & Experiences **Concentration Elective Choices** GEN ED 6 24 hours of coursework in computer systems, electricity and electronics, and Free Elective **networking** related technical electives as approved by major advisor. (This [2-4]2022-2023 concentration is recommended for transfer students.) **Edition**

Course Map - B.S. - Cyber Systems Technology - Tech Systems Concentration

Major Electives		
TEC 161	CIS 410	
None	Junior standing and	
INF 104	CIS 300 or CIS 240 or NET 303	
None	AEM 407	
EET 351	AEM 202	
EET 251 or EET 252	AEM 352	
EET 253		
EET 251 and EET 252	EET 257; MAT 120 or higher and PHY 101	
NET 440		
EET 257 and MAT 112B or higher, and PHY 101		

PHY 101	
Supporting Course	Free Electives (9-10)
Requirements (6-7)	Co-operative education, NET 349, recommended as free electrives or NET 395 taken with a unique topic.
ECO 120 or highter, MAT112A <u>and</u> MAT1 12B or higher, PHY 101 or higher, STA 215 <u>or</u> 270*	
PLUS THREE (3) HOURS of ACC, CCT, CIS, FIN, GBU, MGT, MKT, or RMI upper division electives as approved by major advisor.	*These are course minimums, please feel free to pick higher course numbers, for example math's MAT 114 or 120

Core Courses	
EET 252	NET 349
Completion of math readiness indicator NET 302	Sophomore or higher standing and a GPA of 2.0+
	NET 395
TEC 161 or (INF 104 or higher) or (CSC 140 or higher)	30+ credit hours already completed,
NET 303	and (EET 252 or NET 303)
TEC 161 or (INF 104 or higher) or (CSC 140 or higher) and MAT 095 or an ACT	NET 403
	NET 303 or CIS 375
score of 18+ or SAT score of 490+	AEM 202
NET 440	STA 215 or STA 270 and MAT 114
EET257, MAT122B or higher, and PHY 101	AEM 310W
NET 343	ENG 102 or ENG 105 or HON 102, TEC 161
NET 303 or CIS 375	NET 354
AEM 408	NET 303 or CIS 375
None	NET 499
NET 403	90+ credit hours
Consent of advisor, registration in NET 467 is required of all undergraduate B.S. (NET) students for the term in which they take their exit exam.	already completed, with atleast 18 semester hours of NET coursework, and atleast 9 semester hours of EET coursework, and AEM 310W

Tech Systems Concentration [24]

24 hours of coursework in computer systems, electricity and electronics, and networking related technical electives as approved by major advisor.

Supporting Courses

MAT 112A

Satisfication in English, reading, and algebra indicators

MAT 112B

Satisfication in English, reading, and algebra indicators

ECO 120

Completion of developmental math requirements

STA 215

Satisfication in English, reading, and algebra indicators

STA 270

MAT 112A and MAT 112B, or a Math ACT score of 23+, or a Math SAT score of 560+

PHY 101

MAT 105 or higher

2022-2023 Edition