



Department of Computer Science and
Information Technology College of Science, Technology,
Engineering, and Math (2026-27)

Suggested Curriculum Guide for Cyber Systems Technology (Network Security and Electronics Concentration), B.S., CST (NET)

Freshman (1st Semester) 18 hrs.

GSD 101	3
EET 251 - Electricity and Electronics	3
TEC 161 <u>or</u> INF 104 - Computer Applications in Technology <u>or</u> Computer literacy with Software Applications	3
^{EE} MAT 114 (or higher, such as MAT 120, 211) (fulfills Ess. Ed. 2A)	3
Ess. Ed. 1A (ENG 101 or 101R)	3

Freshman (2nd Semester) 15 hrs.

EET 252 - Digital Electronics	3
EET 257 - Electronic Devices & Circuits	3
NET 302 - PC Troubleshooting & Construction	3
NET 303 - LANs & PC Communications	3
Ess. Ed. 1B (ENG 102 or 102R)	3

Sophomore (1st Semester) 15 hrs.

EET 351 - Programmable Logic Controllers	3
NET 354 - Microcomputer & Network Security	3
† Concentration Elective in CSC/MIS/INF	3
^{EE} ECO 120 (or higher) (fulfills Gen. Ed. 4B) - Economic Reasoning and Issues	3
Ess. Ed. 1C (Oral Comm.)	3

Sophomore (2nd Semester) 15-16 hrs.

AEM 310 - Technical Communication	3
NET 349 - Applied Learning in NET	1
STA 215 - Intro to Statistical Reasoning	3
^{EE} PHY 101 (or higher) (fulfills Ess. Ed. 4B)- Conceptual Physics	3
Ess. Ed. 3B (Humanities)	3
Free Elective (NET 349 Co-op (2), <u>or</u> NET 395 (3), <u>or</u> AEM 195 CAD (3) recommended)	2-3

Junior (1st Semester) 15 hrs.

AEM 202 - Introduction to Quality	3
NET 395 - Special Topics in NET	3
NET 403 - Advanced LANs and PC Communication	3
† Concentration Elective in CSC/MIS/INF	3
Ess. Ed. 3A (Arts)	3

Junior (2nd Semester) 15 hrs.

NET 343 - Network Switches & Routers	3
NET 361 - Cloud Technology Foundations	3
NET 454 - Wireless/WAN Security	3
† Concentration Elective in CSC/MIS/INF	3
Ess. Ed. 4A	3

Senior (1st Semester) 15 hrs.

AEM 507 (fall only) <u>or</u> MIS 410 - Project Management <u>or</u> Project Management and Practice	3
NET 344 <u>or</u> NET 440 - Advanced Network Devices <u>or</u> Wired/Wireless Communications	3
† Concentration Elective in CSC/MIS/INF	3
Free Elective (NET 349 Co-op, <u>or</u> NET 395 recommended <u>or</u> RMI 370 <u>or</u> MGT 301 <u>or</u> MKT 301 <u>or</u> HLS 301 <u>or</u> upper-division INF/AEM course)	6

Senior (2nd Semester) 14-15 hrs.

AEM 408- Human Resource Development	3
NET 499- Senior Capstone	3
NET 467- Exit Exam for BS in NET	0.5
Ess. Ed. Flex	3
Free Elective (NET 349 Co-op, <u>or</u> NET 395 recommended <u>or</u> RMI 370 <u>or</u> MGT 301 <u>or</u> MKT 301 <u>or</u> HLS 301 <u>or</u> upper-division INF/AEM course)	3-4

^{EE} Denotes that 3 credit hours from this course are/can be applied to fulfill an Essential Education requirement.

UNIVERSITY GRADUATION REQUIREMENTS

Total hours University Graduation Requirements

33 hours

Core Courses

43 hours

AEM 202, 310, 408; EET 252, 351; NET 302, 303, 343, 349(1), 354, 361, 403, 499; STA 215

Major Electives

6 hours

Select THREE (3) hours from: AEM 507, MIS 410

Select THREE (3) hours from: INF 104, TEC 161

Concentration Requirements

24 hours

EET 251, 257; NET (344 or 440), 454; †12 hours of CSC/MIS/INF courses (CSC 140 or higher), or (MIS 215 or higher), or (INF 130 or higher).

Supporting Course Requirements (9 hours of Essential Education courses included)

^{EE} ECO 120, ^{EE} MAT 114, ^{EE} PHY 101

Exit Requirement

0.5 hours

NET 467

Free Electives (Take suitable electives to meet ECU requirement of 42 upper-division hours) 13.5 hours

Up to nine credit hours of Upper Division courses, including Cooperative Education, may be needed to meet the 42-hour requirement.

Co-operative education, NET 349, recommended as free electives or NET 395 (Special Topics in NET) taken with a unique topic.

Students with an ACT Math sub-score of 19-21 may consider taking CSC 101 (The World of Code) to build computing competencies early in the degree program.

Total Curriculum Requirements

120 hours