



Department of Computer Science and
Information Technology College of Science, Technology,
Engineering, and Math (2025-26)

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

Freshman (1st Semester) 18 hrs

GSD 101 Foundations of Learning	3
EET 251- Electricity and Electronics	3
EET 252- Digital Electronics	3
[TEC 161 <u>or</u> INF 104]-Computer Applications in Technology <u>or</u> Computer literacy with Software Applications	3
Ⓐ MAT 112A <u>and</u> 112B (<u>or higher, such as MAT 114 or 120</u>) (fulfills Gen. Ed. 2)-Algebra: Polynomials and Functions <u>and</u> Matrices	3
Gen. Ed. 1A (ENG 101)	3

Sophomore (1st Semester) 15 hrs

[AEM 352, EET 253, EET 351, <u>or</u> NET 440- Robotics and Automated Systems, Microprocessor Control Systems, Programmable Logic Controllers, <u>or</u> Wired/Wireless Communications	3
NET 354- Microcomputer & Network Security	3
NET 395- Special Topics in NET	3
† Concentration Elective	3
Gen. Ed. 1C (Comm.)	3

Junior (1st Semester) 15 hrs

AEM 202- Introduction to Quality	3
NET 344- Advanced Network Devices	3
NET 361- Cloud Technology Foundations	3
† Concentration Elective	3
Free Elective (<i>Co-op recommended</i>)	3

Senior (1st Semester) 15 hrs

[AEM 407 (<i>fall only</i>) <u>or</u> CIS 410- Fundamentals of Project Management <u>or</u> Project Management and Practice	3
NET 454- Wireless/WAN Security	3
Gen. Ed. 5A (<i>History</i>)	3
Gen. Ed. 3B Course 2	3
Free Elective (NET 395 or <i>Co-op recommended</i>)- Special Topics in NET	3

Freshman (2nd Semester) 15 hrs

EET 257- Electronic Devices & Circuits	3
NET 302- PC Troubleshooting & Construction	3
NET 303- LANs & PC Communications	3
† Concentration Elective	3
Gen. Ed. 1B (ENG 102)	3

Sophomore (2nd Semester) 16-17 hrs

Ⓔ ECO 120 (<i>or higher</i>) (fulfills Gen. Ed. 5B) – Economic Reasoning and Issues	3
NET 343- Network Switches & Routers	3
NET 349- Applied Learning in NET	1
[STA 215 <u>or</u> 270]-Intro to Statistical Reasoning <u>or</u> Applied Statistics	3-4
Ⓔ PHY 101 (<i>or higher</i>) (fulfills Gen. Ed. 4)- Conceptual Physics	3
Gen. Ed. 3B (<i>Humanities</i>) Course 1	3

Junior (2nd Semester) 15 hrs

AEM 310- Technical Communication	3
NET 403- Advanced LANs and PC Communication	3
‡ Supporting Course Elective	3
Gen. Ed. 3A (<i>Arts</i>)	3
Gen. Ed. 4 (<i>Nat. Sci.</i>)	3

Senior (2nd Semester) 12-13 hrs

AEM 408- Human Resource Development	3
NET 499- Senior Capstone	3
NET 467- Exit Exam for BS in NET	0
Gen. Ed. 5B Course 2	3
Free Elective (<i>Co-op recommended</i>)	3-4

UNIVERSITY GRADUATION REQUIREMENTS

Total hours University Graduation Requirements **39 hours**

Core Courses **34 hours**

AEM 202, AEM 310, AEM 408, EET 252, NET 302, NET 303, NET 343, NET 349, NET 354, NET 361, NET 403, NET 499

Program Electives **9 hours**

AEM 407, CIS 410

Select THREE (3) HOURS from: AEM 352, EET 253, EET 351, NET 440

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

Concentration Requirements **24 hours**

EET 251, EET 257, NET 344, NET 395, NET 454

† PLUS NINE (9) HOURS of:

CSC/CIS/INF courses (CSC 160 or higher), or (CIS 215 or higher), or (INF 130 or higher)

Supporting Course Requirements **7-8 hours**

Ⓔ ECO 120, Ⓔ MAT 112A and Ⓔ MAT 112B, Ⓔ PHY 101, STA 215 or STA 270

‡ PLUS THREE (3) HOURS of ACC, AEM, CCT, CIS, FIN, GBU, MGT, MKT, or RMI upper division electives as approved by major advisor

Free Electives..... **7-8 hours**

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.

Exit Requirement (NET 467) **.5 hours**

Total Curriculum Requirements **120 hours**

