



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

Suggested Curriculum Guide for Cyber Systems Technology (Tech Systems Concentration), B.S., CST (TS)

Freshman (1st Semester) 15 hrs.

GSD 101
† Concentration Elective
† Concentration Elective
EE MAT 114 (or higher, such as MAT 120 or 211) (fulfills Ess. Ed. 2A)
Ess. Ed. 1A (ENG 101 or ENG 101R)

Freshman (2nd Semester) 15 hrs.

† Concentration Elective
† Concentration Elective
Ess. Ed 1B (ENG 102 or 102R)
TEC 161 or INF 104 - Computer Applications in Technology or
Computer Literacy with Software Applications
Free Elective

Sophomore (1st Semester) 15 hrs.

† Concentration Elective
† Concentration Elective
EE ECO 120 (or higher) (fulfills Ess. Ed. 4B) - Economic Reasoning and
Issues
Ess. Ed. 1C (Oral Comm)
Free Elective

Sophomore (2nd Semester) 15 hrs.

† Concentration Elective
† Concentration Elective
EE PHY 101 (or higher) (fulfills Ess. Ed. 2B)-Conceptual Physics
STA 215 - Intro to Statistical Reasoning
Ess. Ed. 3B (Humanities)

Junior (1st Semester) 15 hrs.

AEM 202 - Introduction to Quality
EET 252 - Digital Electronics
NET 302 - PC Troubleshooting & Construction
NET 303 - LANs & PC Communications
Ess. Ed. 3A (Arts)

Junior (2nd Semester) 15 hrs.

AEM 310 - Technical Communication
NET 343 - Network Switches & Routers
NET 354 - Microcomputer & Network Security
NET 361 - Cloud Technology Foundations
NET 403 - Advanced LANs & PC Communication

Senior (1st Semester) 15-16 hrs.

AEM 507 (fall only) or CIS 410 - Project Management or Project
Management and Practice
EET 351 - Programmable Logic Controllers
NET 349 - Applied Learning in NET
* Supporting Course Elective
Ess. Ed. 4A
Free Elective (Upper-division courses, such as NET 349, NET
395, or NET 454 recommended) - Co-op, Special Topics in NET, or
Wireless/WAN Security

Senior (2nd Semester) 14-15 hrs.

AEM 408 - Human Resource Development
NET 467 - Exit Exam for BS in CST
NET 499 - Senior Capstone
Ess. Ed. Flex
Free Elective (upper-division courses)
Free Elective (upper-division courses)

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

† 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 with 24 or more hours of technology-related coursework completed.)

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 EKU 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.

