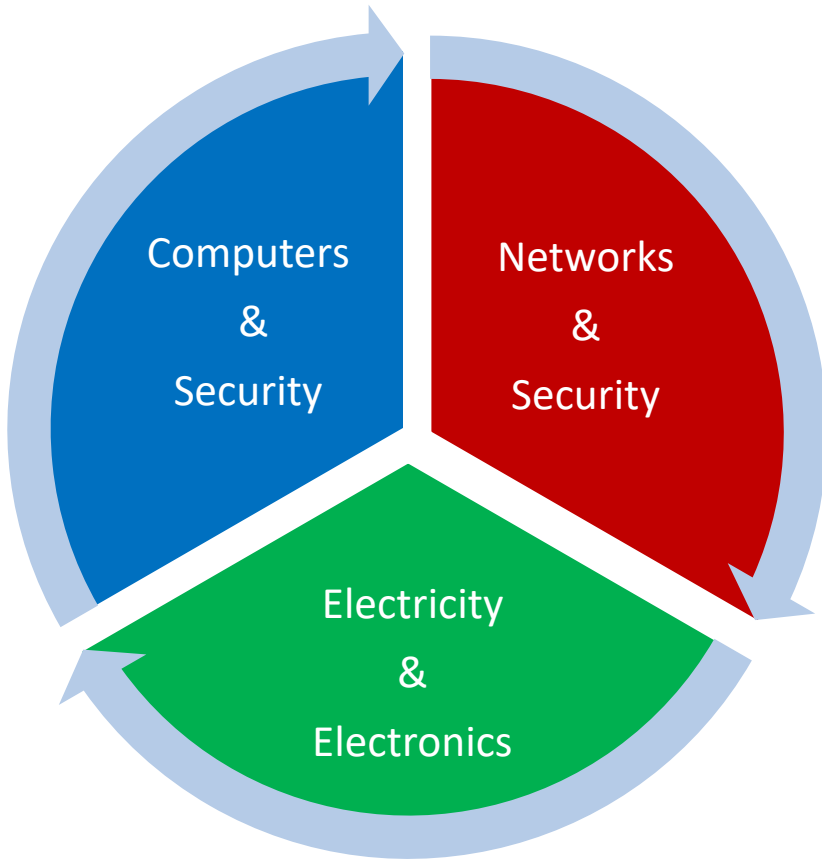


Cyber Systems Technology (CST) Bachelor of Science Degree



Jobs for an InterNET connected World

- Network Admin
- Computer Technologist
- PC/Network Support Specialist
- Electrical/Electronics Tech
- Future outlook excellent with cloud computing and Internet of Things (IoT)
- Typical salary ranges in \$30,000-50,000

Work for Local Employers

- County Schools
- Banks
- Hospitals
- Manufacturing
- Government
- Business and non-profits

Participate in Co-Operative Education

- Students encouraged to begin thinking about co-op work experiences in their sophomore/junior year
- Minimum 80 hours work over a semester with employer related to discipline
- Students often complete multiple co-ops

Professional Certifications

Students encouraged to take at least one certification related to their specific IT-related interests

- CompTIA – IT Industry trade association’s computer network systems and security
- Microsoft – Applications, Operating Systems
- Cisco – Network hardware
- Certified wireless net admin



CST info at: <https://www.eku.edu/csit/> and <https://technology.eku.edu/cyber-systems-technology>

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Cyber Systems Technology (CST) related programs: 3+2 BS (CST), AAS (Tech-CE), Minors & Certificates

BS (CST) Degree

University Requirements

General Education	36 hrs
Student Success Seminar (BTO 100; waived for transfers with 30+ hrs.).....	1 hr
Total Hours University Graduation Requirements	37 hrs

College Requirements:

BTS 300 (CR only, no hours) and BTS 400 (CR only, no hours).

Core Courses (Major Requirements)

43 hrs
AEM 202, 310W, 407, and 408; 3 hours from (AEM 352, EET 253, or EET 351); EET 252; NET 302, 303, 343, 349(1), and 354; (395 or 440); 403, and 499; TEC 161. Exit requirement NET 467 (0).

Network Security & Electronics Concentration (Major Requirements)

24 hrs
EET 251, 257; NET 344, 395, 454; 9 hours of CSC/CIS/INF courses (CSC 160 or higher), or (CIS 215 or higher), or (INF 130 or higher).

Tech Systems Concentration (Major Requirements)

24 hrs
Computer systems, electricity & electronics, and networking related technical electives as approved by major advisor. This is the recommended option for transfer students. |

Supporting Course Requirements.....

6-7 hrs
ECO 130 or higher (°Element 5B); MAT (112A and 112B) or higher (°Element 2); PHY 101 or higher (°Element 4); STA 215 or 270(4), and three hours of ACC, AEM, CCT, CIS, FIN, GBU, MGT, MKT, QMB, or RMI electives as approved by major advisor.

Free Electives.....

9-10 hrs

Total Curriculum Requirements.....

120 hrs

+ Graduates must have an overall GPA of 2.25 in major requirements. Students must take a departmental exit examination before graduation.

Students must take at least one comp systems, networking, security, electronics, or telecom tech certification or license approved by advisor.

Course credit substitutions are readily available for students who have completed equivalent or higher level classes in MAT, PHY, CHE, CSC (also CIS, INF, EET, or NET)

BS (CST) Curriculum guide: <https://www.eku.edu/stem/curriculum-planners/current/csit/BS-CST-NetSec.pdf>

3+2 BS (CST) Degree Juniors or seniors with a 3.0 GPA or higher can take 3 graduate level classes: NSM 815 (Foundations of Network Security), NSM 845 (Advanced Server Security), and AEM 804 (Project Management). This program allows students the opportunity to complete both the 3+2 BS (CST) and their **Master of Science (MS) degree in Technology Management, with concentration in Cyber Systems Tech Security**, in 5 years. MS Degree info at: <https://tinyurl.com/ud4m6sf>

AAS (Technology – Computer Electronics) Degree

University Requirements

Student Success Seminar (BTO 100)..... 1 hr

General Education Requirements.....

18 hrs
ENG 101 (°Element 1A) and 102 (°Element 1B) or 105; MAT (112A and 112B) or higher (°Element 2); humanities (°Element 3B or 3A/B); ECO 230 (°Element 5B); CMS 100 or 210 or EES 250 (°Element 1C).

Concentration Requirements.....

39 hrs
Computer Electronics Concentration
(AEM 352 or EET 253 or 351); (CSC 160 or higher; or CIS 215 or higher); EET 251, 252, 257; NET 302, 303, 343, 349(1), 354, 395 or 403, 399 or 499; PHY 101 or higher in GenEd E-4; TEC 161.

Free Electives

1 hr

Total Curriculum Requirements.....

60 hrs

MINOR IN COMPUTER ELECTRONICS TECHNOLOGY Requirements.....

18 hours
EET 251, 252, (EET 253 or 351 or AEM 352), NET 302, 303, and (NET 343 or NET 354 or 395 or upper-division NET course approved by advisor). Prerequisites may be required for some course selections.

Exit Exam:

Students must take an assessment examination for completing the minor. NET 367b (CR only, no hours)

DEPARTMENTAL CERTIFICATE IN CYBER SYSTEMS AND NETWORK SECURITY

This certificate program will enhance technical competencies, including the knowledge, skills, and work practices, used for securing networked cyber systems. For students interested in continuing their studies at the Baccalaureate level, all of the courses in this certificate may be used as part of the BS degree program related to computer/cyber systems Network Security & Electronics.

Requirements

21 hours
EET 252; NET 302*, 303*, 343, 354, 403; (NET 395 or EET 351)

*Prerequisite of a computer Applications course such as TEC161, INF 104, or CIS 212.

Course descriptions for Undergrad: NET (Networking/computer), EET (Electricity/Electronics tech) & Graduate: NSM (Network Security Management) at <https://tinyurl.com/qnrvke9>

CST info at: <https://www.eku.edu/csit/> and <https://technology.eku.edu/cyber-systems-technology>

Program and co-op coordinator: Prof. Vigs Chandra (<http://people.eku.edu/chandrav/>)

https://twitter.com/net_eku