

Cybersecurity Engineering Approved Technical Electives

Requirement:

Choose 6 hours of approved electives.

Rules & Restrictions:

- No ET (Engineering Technology) courses may be used for elective credit.

Approved Course Code, Title, and Prerequisite(s):

Computer Engineering Courses

- CPE412 - Intro to Parallel Programming: Prerequisite(s) CPE 212, CS 417
- CPE423 - Hardware/Software Co-Design: Prerequisite(s) CPE 322, CPE 426
- CPE486 - Machine Learning for Engineering Applications: Prerequisite(s) MA 244, EE 385 or ISE 390
- CPE 487 - Deep Learning FOR Engineering Applications: Prerequisite(s) CPE 486
- CPE490 - Special Topics in Computer Engineering: Prerequisite(s) Advisor Approval

Computer Science Courses

- CS321 - Intro Object-Oriented Prog JAVA: Prerequisite(s) CS 221 or CPE 212
- CS424 - Principles Programming Languages: Prerequisite(s) CS 417
- CS430 - Survey AI & Machine Learning: Prerequisite(s) CS 417
- CS453 - Client/Server Architectures: Prerequisite(s) CS 321
- CS454 - Intro to Cloud Computing: Prerequisite(s) CPE 348, CS 321 or CPE 353
- CS466 - Offensive Security: Prerequisite(s) CPE 348
- CS487 - Database Systems: Prerequisite(s) Senior Standing
- CS488 - Intro to Big Data Computing: Prerequisite(s) CS 417
- CS496 - Special Topics: Prerequisite(s) Advisor Approval