

CAE-CD Program of Study: Bachelor of Science in Computer Science with Minor in Cybersecurity

Requirements for B.S. in Computer Science:

Students in the B.S. curriculum must complete a minimum of 56 credits as follows: CSC 106 (4), 110 (4), 211 (4), 212 (4), 301 (4), 305 (4), 340 (4), 411 (4), 412 (4), 440 (4), and one course from CSC 477 or 499 (4); one course from CSC 402, 406, 415, 436, 450, 462, 481, and 493 (4); any two additional CSC or CSF courses at the 300-level or above, only one of the two courses may be a CSF course, CSC 392 and 491 may be used only with prior departmental approval. CSC 477, 494, and 499 may not be used.

Students must also complete MTH 180 (3), 141 (4), 142 (4), and one course from MTH 215, 243, 244, 322, 362, 382, ISE 432, STA 307, 308, 409, 411, 412 (3 or 4); two science courses from PHY 203/273, 204/274, CHM 101/102, 112/114, BIO 101/103, 102/104, GEO 103, OCG 123 (8); and one course from WRT 104, 106, and HPR 112 (3); and WRT 201 or WRT 332 (3).

Requirements for Minor in Cyber Security:

Students declaring a minor in cyber security must take the following courses: CSF 202 (4), CSF 430 (4), CSF 432 (4), CSF (434), and one more course from CSF 410 (4), 462 (4), CSC 417 (4), 418 (4), 477 (4), other faculty approved courses.

A total of 120 credits is required for graduation. A possible course of studies follows.

CAE KU Aligned Courses marked with ** in orange.

Freshman Year First semester: 14 credits

CSC 106; URI 101; WRT 104; MTH 180; Gen Ed.

Second semester: 16 credits

CSC 110 **; MTH 141; CSF 202 **; Gen Ed.

Sophomore Year First semester: 15 credits

CSC 211; MTH 142; Science Requirement ; CSF 432 **

Second semester: 16 credits

CSC 212 **; MTH Req; WRT 332; Elective; CSF 434 **

Junior Year First semester: 15 credits

CSC 301; CSC 305 **; CSF 430 **; Science Req.

Second semester: 15 credits

CSC 340 (4); CSC 412 **, CSC programming elective, Elective.

Senior Year First semester: 15 credits

CSC 411 **; CSC 440 **; CSC 477 or 499; Gen Ed.

Second semester: 15 credits

CSC elective, CSC/CSF elective; Gen Ed; Elective.