

Computer Science, BS - General CS Pathway

2-Year Pathway 2025/26 - 2029/30

*The purple courses are offered once a year only!

Fall Junior Courses Course Prefix and Number	Course Title Abbreviate Course Title	Units	Requirement Met GE/UR/Major
CST300	Graduate Writing Assessment for Computing and Design	3	GWAR
CST338	Software Design	4	Major
CST349	Computer Science Proseminar	2	Major
Any of CST205 311 315 325 336 363 383		4	Major Elec 1
MATH270 or Elective		4	Major or Elective
Spring Junior Courses Course Prefix and Number	Course Title Abbreviate Course Title	Units	Requirement Met GE/UR/Major
CST370	Design and Analysis of Algorithms	4	Major
Any of CST205 311 315 325 326 (Spring only) 336 363 380 (Spring only) 383		4	Major Elec 2
Any of CST205 311 315 325 326 336 363 380 383		4	Major Elec 3
Any of CST205 311 315 325 326 336 363 380 383		4	Major Elec 4
Fall Senior Courses Course Prefix and Number	Course Title Abbreviate Course Title	Units	Requirement Met GE/UR/Major
CST329	Reasoning with Logic	3	GE UD 2
CST334	Operating Systems	4	Major
Any of CST205 311 315 325 336 363 383 415 (Fall only) 438 463 (Fall only)		4	Major Elec 5
Any of CST205 311 315 325 336 363 383 415 438 463		4	Major Elec 6
Spring Senior Courses Course Prefix and Number	Course Title Abbreviate Course Title	Units	Requirement Met GE/UR/Major
CST462s	Race, Gender, Class in the Digital World	3	GE UD 4 & UDSL
CST499	Computer Science Capstone	4	Major
Any approved course	E.g., Any approved US 2&3 course if not completed at a community college	3	US 2&3 or elective
Any approved course	E.g., SPAN350, JAPN350	3	GE UD 3 & WLC
Any approved course	E.g., CST274	2 or 3	Elective or US 1

Major Elective Course List for this pathway include:

- [CST 205 - Multimedia Design and Programming](#) **Units: 4**
- [CST 311 - Introduction to Computer Networks](#) **Units: 4**
- [CST 315 - Introduction to Cybersecurity](#) **Units: 4**
- [CST 325 - Graphics Programming](#) **Units: 4**
- [CST 326 - Game Development](#) **Units: 4**
- [CST 336 - Internet Programming](#) **Units: 4**
- [CST 363 - Introduction to Database Systems](#) **Units: 4**
- [CST 380 - Mobile and Ubiquitous Computing](#) **Units: 4**
- [CST 383 - Introduction to Data Science](#) **Units: 4**
- [CST 415 - Advanced Cybersecurity](#) **Units: 4**
- [CST 438 - Software Engineering](#) **Units: 4**
- [CST 463 - Advanced Machine Learning](#) **Units: 4**