COMPUTER SCIENCE MAJOR (Software Engineering Concentration) (2024-2025)

FALL (16hrs)  SPING (17hrs)  FALL (16hrs)  SPING (17hrs)  FALL (16hrs)  SPING (13hrs)

β CSI 1430 INTRO TO CSI I  β CSI 1440 INTRO TO CSI II  CSI 2334 INTRO TO COMP SYSTEMS  CSI 3371 SOFTWARE EGR I  CSI 4393 COMP ARCHITECT  CSI 4337 OPERATING SYSTEMS

CSI 2350 DISCRETE STRUCTURES  CSI 3334 DATA STRUCTURES  CSI 3344 INTRO TO ALGORITHMS  CSI 3335 DATABASE DESIGN  CSI 4321 DATA COMM

CSI 3372 SOFTWARE EGR II  CSI 3374 SOFTWARE MANAGEMENT  CSI 3373 SOFTWARE QUALITY

MTH 1321 CAL 1  MTH 1322 CAL 2  MTH 2311 or MTH 2321  STA 3381 STATISTICS

REL 1310 SCRIPTURES  REL 1350 HERITAGE

ENG 1310 WRITING  SCIENCE  SCIENCE

CONTEMP. SOCIAL ISSUES

ECO 1305 or ECO 2306

Prerequisite

Prerequisite or concurrent enrollment

β Must complete course with a grade of “B” or better

Contemporary Social Issues:
Select one course, 3 hours, from the corresponding A&S Distribution List (HIS 1300 included)

★ ENG 2301, 2304, 2306, or 2310

Science:
One group from the following:
1. BIO 1305/1105 and 1306/1106
2. CHE 1301/1101 and 1302/1102
3. GEO 1405 and 1306/1106
4. PHY 1408 and 1409 OR PHY 1420 and 1430

AND six to eight additional hours from courses above or from courses that have one or more of the above as prerequisites

★ ELC 2337 and CSI 4323 are approved substitutions for CSI 3439

◊ Course offered only in semester indicated

See the Foreign Language & Culture Distribution List for ECS in the Undergraduate Catalog

If needed to reach the graduation requirement of 124 total earned hours

Technical Elective: One of the following.
Any STA course with STA 3381 as a prerequisite, MTH 2321, MTH 3312, MTH 3370, any 4000-level MTH course, ELC 4330, ELC 4353, or ELC 4438

GTX 2301, 2302, 3343, or 4341

TECHNICAL ELECTIVE

PWR 3300 TECH WRIT

CSS 1302 SPEECH

NOTES: This flowchart is meant to be an advising tool. The Baylor Undergraduate Catalog is the student’s final authority on all degree requirements. A ‘C’ or better must be earned in all courses in your major, as well as any math prerequisites for major courses.

CHA 10XX CHAPEL  CHA 10XX CHAPEL