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

**FALL (16hrs)**
- CSI 1430 INTRO TO CSI I
- CSI 1440 INTRO TO CSI II
- CSI 2350 DISCRETE STRUCTURES
- REL 1310 SCRIPTURES
- ENG 1310 WRITING
- CONTEMP. SOCIAL ISSUES

**SPRING (17hrs)**
- CSI 2334 INTRO TO COMP SYSTEMS
- CSI 3334 DATA STRUCTURES
- MTH 1321 CAL 1
- REL 1350 HERITAGE
- SCIENCE
- CHAPEL

**FALL (16hrs)**
- CSI 3471 SOFTWARE EGR I
- MTH 1322 CAL 2
- ENG 2301, 2304, 2306, or 4341
- ENGLISH LITERATURE
- SCIENCE
- CHAPEL

**SPRING (16hrs)**
- CSI 3366 SYSTEMS PROGRAM
- MTH 2311 or MTH 2321
- STA 3381 STATISTICS
- GTX 2301, 2302, 3343, or 4341
- SCIENCE
- TECH WRIT

**FALL (16hrs)**
- CSI 3344 INTRO TO ALGORITHMS
- CSI 3335 DATABASE DESIGN
- SCI 1306 or SCI 2306
- ENGLISH LITERATURE
- SCIENCE
- LF 11XX FITNESS

**SPRING (13hrs)**
- CSI 3372 SOFTWARE EGR II
- CSI 3374 SOFTWARE MANAGEMENT
- SCI 1306 or SCI 2306
- ENGLISH LITERATURE
- SCIENCE
- LF 11XX FITNESS

**FALL (16hrs)**
- CSI 3373 SOFTWARE QUALITY
- SCI 1306 or SCI 2306
- ENGLISH LITERATURE
- SCIENCE
- LF 11XX FITNESS

**SPRING (17hrs)**
- CSI 4321 DATA COMM
- CSI 4323
- SCI 1306 or SCI 2306
- ENGLISH LITERATURE
- SCIENCE
- LF 11XX FITNESS

**FALL (16hrs)**
- CSI 4337 OPERATING SYSTEMS
- SCI 1306 or SCI 2306
- ENGLISH LITERATURE
- SCIENCE
- LF 11XX FITNESS

**SPRING (13hrs)**
- CSI 4330 FOUNDATION OF COMP
- SCI 1306 or SCI 2306
- ENGLISH LITERATURE
- SCIENCE
- LF 11XX FITNESS

**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.

- Prerequisite: 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)
- 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

5/24 SEM