COMPUTER SCIENCE – SOFTWARE ENGINEERING (2022-2023)

**FALL (17hrs)**
- CSI 1430 INTRO CSI I
- CSI 1440 INTRO CSI II
- CSI 2350 DISCRETE STRUCTURES
- CSI 2334 INTRO COMP SYSTEMS
- CSI 3334 DATA STRUCTURES
- CSI 3344 INTRO ALGORITHMS
- CSI 3471 SOFTWARE EGR I
- CSI 3335 DATABASE DESIGN
- CSI 3372 SOFTWARE EGR II
- CSI 3373 SOFTWARE QUALITY
- CSI 3336 SYSTEMS PROGRAM
- CSI 3439 COMP ARCHITECT
- CSI 4337 OPERATING SYSTEMS
- CSI 4321 DATA COMM
- CSI 4309 CAPSTONE DESIGN
- CSI 4330 FOUNDATION OF COMP

**SPRING (17hrs)**
- CSI 1430 INTRO CSI I
- CSI 1440 INTRO CSI II
- CSI 2350 DISCRETE STRUCTURES
- CSI 2334 INTRO COMP SYSTEMS
- CSI 3334 DATA STRUCTURES
- CSI 3344 INTRO ALGORITHMS
- CSI 3471 SOFTWARE EGR I
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- CSI 4330 FOUNDATION OF COMP

**FALL (16hrs)**
- MTH 1321 CALC I
- MTH 1322 CALC II
- REL 1310 SCRIPTURES
- ENG 1310 WRITING
- PSC 1387 or GTX option
- REL 1350 HERITAGE
- SCI 1300 TECH WRIT
- GST 2301 2302, 3343, or 4341
- ENG LIT

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NOTES: Must have 36 hours of advanced work ("3000"-"4000" courses) and a minimum of 124 hrs. Must have a grade of C or better in all CSI hours counted toward the major. This flowchart is meant to be an advising tool. The BU Undergraduate Catalog serves as the student's final authority on all degree requirements.

- Prerequisite or concurrent enrollment
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- Must complete course with a grade of “B” or better
- Second level proficiency (at least 1302 or 1412) must be achieved
- ENG 2301, 2304, 2306, or 2310

Contemporary Social Issues: Select one course, 3 hours, from the corresponding A&S Distribution List (HIS 1300 included) which can be found by visiting www.baylor.edu/artsandsciences/corecurriculum

Technical Elective: One of the following:
1. Any statistics course with STA 3381 as a prerequisite
2. MTH 2321, 3312, 3370, or any 4000-level MTH course not required for Software Engineering Track
3. ELC 4330, 4353, or 4438

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 which have one or more of the above as prerequisites

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