COMPUTER SCIENCE – SOFTWARE ENGINEERING (2020-2021)

FALL (16 hrs)  SPRING (17 hrs)  FALL (16 hrs)  SPRING (17 hrs)  FALL (16 hrs)  SPRING (13 hrs)

CSI 1430 INTRO CSI I  CSI 1440 INTRO CSI II  CSI 2350 DISCRETE STRUCTURES  CSI 2334 INTRO COMP SYSTEMS  CSI 3471 SOFTWARE EGR I  CSI 3336 SYSTEMS PROGRAM

CSI 2334 DATA STRUCTURES  CSI 3344 INTRO ALGORITHMS  CSI 3335 DATABASE DESIGN  CSI 3337 OPERATING SYSTEMS  CSI 3439 COMP ARCHITECT

CSI 3336 INTRO COMP SYSTEMS  CSI 3335 DATABASE DESIGN  CSI 3372 SOFTWARE EGR II  CSI 3374 SOFTWARE MANAGEMENT  CSI 3373 SOFTWARE QUALITY

CSI 3472 SOFTWARE EGR II  CSI 4337 FOUNDATION OF COMP

MTH 1321 CALC I  MTH 1322 CALC II  MTH 2311 or MTH 2321  STA 3381 STATISTICS  TECHNICAL ELECTIVE  FOREIGN LANGUAGE

CONTEMP. SOCIAL ISSUES  SCIENCE  SCIENCE  SCIENCE

REL 1310 SCRIPTURES  REL 1350 HERITAGE  PSC 1387 or GTX option  FOREIGN LANGUAGE

ENG 1310 WRITING  ENG LITERATURE

CHA 10XX CHAPEL  CHA 10XX CHAPEL

CSI 1095 FY SEMINAR

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

Prerequisite or concurrent enrollment

Course offered only in semester indicated

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. EGR/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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