BACHELOR OF SCIENCE IN INFORMATICS – BIOINFORMATICS MAJOR (2021-2022)

NOTES: Must have 36 hours of advanced work ("3000"-"4000" courses) and a minimum of 124 hours. Must have a grade of C or better in all CSI and BIO 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.

History/Social Science: Six hours from Anthropology, Economics, History, Philosophy, Political Science (except PSC 1387), Psychology, Sociology, and GEOG 1300

Biology Elective: Four hours from the following: BIO 3122, 3322, 3330, 4100, 4107, 4108, 4307, 4308, 4401 or CHE 4341

FALL (15hrs)  SPRING (17hrs)  FALL (14hrs)  SPRING (14hrs)  FALL (15hrs)  SPRING (16hrs)  FALL (14hrs)  SPRING (16hrs)

CSI 1430 INTRO CSI I  β CSI 1440 INTRO CSI II  CSI 3334 DATA STRUCTURES  CSI 3344 INTRO ALGORITHMS  CSI 2334 INTRO COMP SYSTEMS  CSI 3336 SYSTEMS PROGRAM  CSI 3360 COMP BIO  CSI ELECTIVE

CSI 1440 INTRO CSI II  β CSI 2350 DISCRETE STRUCTURES  CSI 3471 SOFTWARE EGR I  CSI 3335 DATABASE DESIGN  BINF 3350 GENOMICS  CSI 4337 OPERATING SYSTEMS or CSI 3372 SOFTWARE EGR II

CSI 1434 DATA STRUCTURES  CSI 3334 INTRO ALGORITHMS  CSI 3335 DATABASE DESIGN  BINF 3360 COMP BIO  CSI ELECTIVE

MTH 1321 CALC 1  STA 2381 or STA 3381 STATISTICS  CSI 3334 DATA STRUCTURES  CSI 3344 INTRO ALGORITHMS  CSI 2334 INTRO COMP SYSTEMS  CSI 3336 SYSTEMS PROGRAM  CSI 3360 COMP BIO  CSI ELECTIVE

CSI 1440 INTRO CSI II  β CSI 2350 DISCRETE STRUCTURES  CSI 3471 SOFTWARE EGR I  CSI 3335 DATABASE DESIGN  BINF 3350 GENOMICS  CSI 4337 OPERATING SYSTEMS or CSI 3372 SOFTWARE EGR II

FALL (14hrs)  SPRING (14hrs)

CSI 3371 SOFTWARE EGR I  CSI 3437 SOFTWARE EGR II

FALL (15hrs)  SPRING (16hrs)

CSI 3336 SYSTEMS PROGRAM  CSI 3337 OPERATING SYSTEMS or CSI 3372 SOFTWARE EGR II

CSI 3371 SOFTWARE EGR I  CSI 3437 SOFTWARE EGR II

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