Software Engineering, BS
Bachelor of Science, 2022 Catalog Year

FALL-1

ENG 101 (3)
1st-Year Comp.

ENG 102 (3)
1st-Year Comp.

MAT 265 (3)
CALC I

MAT 266 (3)
CALC II

MAT 243 (3)
Discrete Math

CSE110 (3)
Principles of Programming
Java

CSE 205 (3)
Object-Oriented Programming

CSE 240 (3)
Programming Languages

SER 216 (3)
Software Enterprise

FSE100 (2)
Intro to Engineering

HU/SB (3)

15 HOURS

Notes: Shaded courses designate critically tracked requirements.
Prerequisite Co-requisite
*** Requires placement exam score and may require additional courses dependent on placement.

Color Coding Key: Completed Requirements Enrolled Need to Retake

+Pre-or co-requisite is FSE100

FALL-2

ENG 102 (3)
1st-Year Comp.

ENG 102 (3)
1st-Year Comp.

MAT 267 (3)
CALC III OR
MAT 275 (3)
DIFF EQ

MAT 267 (3)
CALC III

MAT 243 (3)
Discrete Math

CSE110 (3)
Principles of Programming
Java

CSE 205 (3)
Object-Oriented Programming

CSE 240 (3)
Programming Languages

SER 216 (3)
Software Enterprise

FSE100 (2)
Intro to Engineering

HU/SB***(3)

15 HOURS

FALL-3

MAT 267 (3)
CALC III

MAT 275 (3)
DIFF EQ

PHY121 (3)
& PHY122 (1)

CSE 240 (3)
Programming Languages

LAB SCI* (4)
Sequence Part 1 of 2

CSE 230 (3)
Comp. Org. & Assembly Language Programming

SER 232 (3)
Digital Design Fundamentals

ERT200 (3)
Computers & Society

LAB SCI* (4)
Sequence Part 2 of 2

CSE 230 (3)
Comp. Org. & Assembly Language Programming

CSE 240 (3)
Programming Languages

SER 216 (3)
Software Enterprise

FSE100 (2)
Intro to Engineering

16 HOURS

FALL-4

EGR280 (3)
Engr Stats

MAT 343 (3)
Applied Linear Algebra

SER 322 (3)
Principles of Database Mgmt

SER 315 (3)
Software Enterprise I Tools & Processes

SER 321 (3)
Principles of Distributed Software Syst.

** Pre-req to 421/422/423

SER 401 (3)
Computing Capstone I

SER 416 (3)
Software Enterprise IV
Project & Proc.

SVTECH (3)

16 HOURS

FALL-5

ASU101 (1)
ASU Experience

SER 321 (3)
Principles of Distributed Software Syst.

SER 334 (3)
Operating Systems & Syst Programming

SER 335 Engineering Secur. SE Sys (3)

SER 402 (3)
Computing Capstone II

SER 415 (3)
Software Enterprise III Inception (L)

SER 4XX (3)

15 HOURS

FALL-6

HU/SB (3)

SER 322 (3)
Software Enterprise II Construction

SER 334 (3)
Operating Systems & Syst Programming

SER 335 Engineering Secur. SE Sys (3)

SER 4XX (3)

15 HOURS

FALL-7

HU/SB (3)

SER 416 (3)
Software Enterprise IV
Project & Proc.

SER 4XX (3)

15 HOURS

FALL-8

SER 4XX (3)

SER 4XX (3)

12 HOURS

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Prerequisite Co-requisite
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Color Coding Key: Completed Requirements Enrolled Need to Retake

+Pre-or co-requisite is FSE100