Software Engineering (SENG) Prerequisite Structure 2022-23

Math, Science, and In-Major Courses

FR 1
- MATH 1610 Calculus I
- ENGR 1110 Intro. to Engineering
- COMP 1210 Fund. of Computing I
- ENGR 1100 Engineering Orientation

FR 2
- MATH 1620 Calculus II
- Core Science Sequence I
- COMP 2210 Fund. of Computing II
- ELEC 2200 Digital Logic Circuits

SO 1
- MATH 2660 Linear Algebra
- Core Science Sequence II
- COMP 2710 Software Construction
- COMP 3350 Computer Org. and Assembly Lang. Prog.

SO 2
- STAT 3010 Statistics for Eng & Sci
- COMP 3240 Discrete Structures
- COMP 3500 Operating Systems

JR 1
- Math Elective
- COMP 3270 Introduction to Algorithms
- COMP 3700 Software Modeling and Design

JR 2
- Math Elective
- COMP 3220 Principles of Programming Languages
- COMP 4320 Intro. to Computer Networks

SR 1
- Technical Elective
- COMP 5120 Database Systems I
- COMP 5700 Secure Software Process

SR 2
- Technical Elective
- COMP 4710 Senior Design Project
- COMP 5710 Software Quality Assurance
- COMP 4730 Computer Ethics