NORTHERN ARIZONA UNIVERSITY

College of Engineering, Informatics, and Applied Sciences

Software Engineering Bachelor of Science

2022-2023 Undergraduate Catalog

Progression Plan-Classic

Year 1 - Fall	
CS 126 Computer Science I	3
CS 126L Computer Science I Lab	1
MAT 136 Calculus I	4
CS 105 Computing Tools I	1
Foundation English	4
Liberal Studies and/or Diversity	3

Year 1 - Spring	
CS 136 Computer Science II	3
CS 136L Computer Science II Lab	1
MAT 137 Calculus II	4
CS 200 Introduction To Computer Organization	3
BIO 181, CHM 151, or PHY 161	3
BIO 181L or CHM 151L	1

Year 2 - Fall	
CS 249 Data Structures	3
MAT 226 Discrete Mathematics	3
CS 205 Computing Tools II	1
CS 212 Web Programming I	3
BIO 182, CHM 152, or PHY 262	3
BIO 182L Unity Of Life II Laboratory	1

Year 2 - Spring	
CS 386 Software Engineering	3
STA 270, STA 275 or CENE 225	3
CS 301 Computers And Society	2
EGR 333W Technology And Society	3
Technical Elective 1 of 3	3
Liberal Studies and/or Diversity	3

Year 3 - Fall	
CS 451 Mechanized Reasoning About Programs	3
CS 305 Computing Tools III	1
CS 460 Computer Networks	3
SE 450 Software Testing	3
Technical Elective 2 of 3	3
Liberal Studies and/or Diversity	3

Year 3 - Spring	
CS 345 Database Systems	3
CS 440 Software Architecture	3
SE 460 Project Management	3
CS Elective at 300-level or above 1 of 4	3
Liberal Studies and/or Diversity	3

Year 4 - Fall	
SE 476 Requirements Engineering	2
CS Elective at 300-level or above 2 of 4	3
CS Elective at 300-level or above 3 of 4	3
Technical Elective 3 of 3	3
Liberal Studies and/or Diversity	3

Year 4 - Spring	
SE 486C Capstone Experience	4
CS 467 Software Assurance	3
CS Elective at 300-level or above 4 of 4	3
Liberal Studies and/or Diversity	3