College of Engineering, Informatics, and Applied Sciences

Informatics Bachelor of Science

Bioinformatics - Emphasis

2019-2020 Undergraduate Catalog

Progression Plan-Classic

Sample Progression Plans are for planning purposes only; see the catalog for official details.

Year 1 - Fall	
CS 126 Computer Science I	3
CS 126L Computer Science I Lab	1
MAT 136 Calculus I	4
BIO 181 Unity Of Life I: Life Of The Cell	3
BIO 181L Unity Of Life I Laboratory	1
CHM 151 General Chemistry I	4
CHM 151L General Chemistry I Lab	1

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 182 Unity Of Life II: Lives Of Multicellular Organisms	3
BIO 182L Unity Of Life II Laboratory	1
CHM 152 General Chemistry II	3
CHM 152L General Chemistry II Lab	1

Year 2 - Fall	
CS 249 Data Structures	3
STA 275 Statistical Analysis	3
MAT 226 Discrete Mathematics	3
BIO 205 Microbiology	3
BIO 205L Microbiology Lab	1
Foundation English	4

Year 2 - Spring	
CS 386 Software Engineering	3
STA 371 Intermediate Statistics	3
EE 222 Intermediate Programming	3
BIO 240 Genetics And Evolution	3
Liberal Studies and/or Diversity	3

Year 3 - Fall	
INF 376 Research Initiation	3
CS 345 Principles Of Database Systems	3
BIO 344 Cellular And Molecular Biology	3
ENG 302W Technical Writing	3
Liberal Studies and/or Diversity	3

Year 3 - Spring	
INF 386 Research Planning	3
CS 480 Operating Systems	3
BIO 450 Bioinformatics	3
Liberal Studies and/or Diversity	3
Liberal Studies and/or Diversity	3

Year 4 - Fall	
INF 476C Research Design	3
Bioinformatics Emphasis Elective	3
Informatics Major Elective	3
Liberal Studies and/or Diversity	3

Year 4 - Spring	
INF 486C Capstone Experience	3
BIO 482C Human Genomics	3
Informatics Major Elective	3
Liberal Studies and/or Diversity	3