College of Engineering, Informatics, and Applied Sciences

Informatics Bachelor of Science

Astroinformatics - 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
AST 180 Introduction To Astronomy	3
AST 181 Introduction To Observational Astronomy	1
PHY 161 University Physics I	4

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
CS 122 Programming For Engineering And Science	2
CS 122L Programming For Engineering And Science Lab	1
PHY 262 University Physics II	3

Year 2 - Fall	
CS 249 Data Structures	3
STA 275 Statistical Analysis	3
MAT 226 Discrete Mathematics	3
PHY 263 University Physics III	3
AST 280 Introduction To Astrophysics	3

Year 2 - Spring	
CS 386 Software Engineering	3
STA 371 Intermediate Statistics	3
EE 222 Intermediate Programming	3
AST 390 Astrophysics: The Solar System	3
Foundation English	4

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

Year 3 - Spring	
INF 386 Research Planning	3
CS 480 Operating Systems	3
AST 391 or AST 392	3
Liberal Studies and/or Diversity	3
Liberal Studies and/or Diversity	3

Year 4 - Fall	
INF 476C Research Design	3
AST 401 Observational Astronomy	3
AST 401L Observational Astronomy Lab	1
Informatics major elective	3
Liberal Studies and/or Diversity	3

Year 4 - Spring	
INF 486C Capstone Experience	3
AST 520 Astroinformatics: Big Data In Astronomy	3
Informatics major elective	3
Liberal Studies and/or Diversity	3
General Elective Course	1