

# COMPUTER SCIENCE AND INFORMATICS

GDE 423	Interaction Design	3
JRM 327	Social Media	3
or JRM 438	Information Ethics	
CSC Elective 300-level or above		3

## B.S., Major in Computer Science and Informatics

### Program Director: Dr. Dave Reed

In an increasingly high-tech world, graduates with knowledge and skills in computing and information technology are always in demand. Computing careers such as software engineer, Web designer, game developer, systems analyst, database manager, and network administrator can be challenging, dynamic, rewarding, and lucrative. The **Computer Science & Informatics major** provides practical knowledge and skills for the information technology jobs of today, while also building the critical reasoning and communication skills necessary for a career in which learning and adapting to new technologies are essential. A variety of internship opportunities are available, as well as student research experiences for majors pursuing graduate studies.

## Computer Science and Informatics Major requirements (41 credits)

- Choose one track from Computer Science or Digital Development

Code	Title	Credits
<b>Computer Science, Design and Journalism required courses</b>		
CSC 121	Computers and Scientific Thinking	3
GDE 324	Digital Foundations	3
JRM 215	Media Literacy and Information Concepts	2
JRM 319	Media Writing	3
or JRM 320	Professional Writing	
<b>Computer Science and Informatics Major required courses</b>		
CSC 221	Introduction to Programming	3
CSC 222	Object-Oriented Programming	3
CSC 599	Senior Capstone	3
Choose one track (Computing Science or Digital Development)		21
Total Credits		41

Note: A maximum of 3 credits from CSC 493, CSC 495, CSC 497, and CSC 499 may be applied to the major.

CSC 450 may not be applied toward any CSC major, minor, certificate or degree.

### Computing Science Track

Code	Title	Credits
CSC 321	Data Structures	3
CSC 414	Introduction To Computer Organization	3
CSC 421	Algorithm Design and Analysis	3
CSC 533	Programming Languages	3
CSC 548	Software Engineering	3
CSC Electives 400-level or above		6

### Digital Development Track

Code	Title	Credits
CSC 551	Web Programming	3
CSC 581	Mobile App Development	3
GDE 380	Graphic Design	3
GDE 382	Web Design	3