

Information Technology

The Bachelor of Science degree in Information Technology is designed to provide students with a broad knowledge base utilizing various technologies such as database, networking, business applications, programming and the production of web pages. Students will learn the theories and processes inherent in technology that are necessary to successfully meet their personal and professional challenges. Students may decide to manage networks, design and oversee databases, develop web pages, provide help desk support, design and produce software (including Smartphone software) or own their own small businesses. The Information Technology major is also a perfect complement to a minor in a variety of disciplines to enable the students to understand the interrelatedness of various fields of study. Some recommended minors include: Business Administration, Design, Criminal Justice or Communication.

The final component of the major will be the Senior Seminar; where students complete an integrated project, which will showcase their knowledge of technology across multiple areas. The project can be used as a career search tool where students can exhibit their distinct technology abilities and how they relate to a professional setting. The project requirement will include writing, and technical skills samples, as well as a self-reflection component.

Grade Requirements for Information Technology majors:

A grade lower than a C- in any of the core courses signals inadequate performance in the major. Students who receive a grade lower than a C- will be required to repeat the course.

Learning Outcomes of the Information Technology Major:

The Information Technology major will showcase best practices and proficiency in security, networking, programming, and data analysis and design.

1. Assist and lead in the creation of an effective project plan
2. Analyze the local and global impact of computing on individuals, organizations, and societies
3. Articulate professional, ethical, legal, security and social issues and responsibilities of information technology
4. Communicate effectively with a range of technical and non-technical audiences, including internal and external stakeholders
5. Function effectively on teams to accomplish a common goal
6. Critically assess and implement IT-based solutions
7. Recognize the need and availability of tools for engaging in lifelong professional development

Bachelor of Science in Information Technology Curriculum Map

First Year Fall Semester

IT 1010	Intro to Information Technology	3
IT 1100	Foundations of Hardware	3
AC 1030	Communication Technology*	3
WRIT 1400	Reading, Writing, Research I	3
GEN 1001	Curry Launch	1
GEN 1000	First Year Inquiry or Quantitative Literacy	3
Total Credits for Fall		16

First Year Spring Semester

IT 2100	Programming Logic	3
AC 2768	HTML and Design	3
WRIT 1500	Reading, Writing, Research II	3
GE	Breadth (Quantitative Reasoning/Science)	4
GEN 1000	First Year Inquiry or Quantitative Literacy	3
Total Credits for Spring		16

Second Year Fall Semester

IT 2210	Networking	4
IT 2789	Programming and Problem Solving	4
AC 2020	Database Concepts	3
GE	Breadth	3
GE	Breadth	3
Total Credits for Fall		17

Second Year Spring Semester

IT 2300	Operating Systems	4
IT 3500	Object Oriented Programming	4
EXP 2340	Intro to Experiential Learning	3
GE	Breadth	3
Elective	General Elective/course in minor	3
Total Credits for Spring		17

Third Year Fall Semester

IT 3100	Project Management	3
IT 3805	Technology Seminar	3
Elective	General Elective/course in minor	3
GE	Diversity	3
GE	Breadth	3
Total Credits for Fall		15

Third Year Spring Semester

IT 2216	Network Security	3
IT 3800	Current Topics in Technology**	3
GEN 3001	Junior Year Inquiry & Integration	3
Elective	General Elective/course in minor	3
Elective	General Elective/course in minor	3
Total Credits for Spring		15

Fourth Year Fall Semester

IT 3450	Internship/Internship Seminar	3
IT	IT Elective	3
GE	International/Global	3
Elective	General Elective/course in minor	3
Total Credits for Fall		12

Fourth Year Spring Semester

IT 3900	Senior Seminar: This is IT! ***	3
IT	IT Elective	3
Elective	General Elective/course in minor	3
Elective	General Elective/course in minor	3
Elective	Any 1 Credit Course	1
Total Credits for Spring		13

TOTAL CREDITS FOR MAJOR

120

Legend

*General Education Communication **General Education International/Global or Diversity

***General Education Active Learning