

Students May Enroll to Take This Program Online or Residentially

A student who successfully completes an average of 15 credits per quarter will be able to earn the degree in 12 quarters (36 months).

The objective of the Bachelor Science in Information Technology (IT) program is to provide students with skills and knowledge to enter the workforce as IT professionals. Required coursework builds a broad base of skills with hardware, operating systems, web technologies, database technologies, networking, software development, and security. Graduates are prepared to take on any entry-level position in the field of information technology including bench technicians, network technicians, network service administrators, user support specialists, web developers, systems analysts, information assurance and security specialists, and programmers. Areas of emphases and elective courses allow students to focus on specific areas and develop the skills necessary to become leaders in their profession. General education requirements in the areas of communication, social science, natural science and humanities provide analytical and communication skills.

The goal of this program is to prepare graduates who are able to:

1. Develop a computer program that operates with a database, network, website and/or operating system
2. Create a professional website that operates with a database
3. Analyze a problem and identify and define the computing requirements appropriate to solve that problem
4. Identify, analyze and consider user needs in the development of computer-based systems
5. Develop a computer-based solution to meet the needs of a user
6. Analyze security practices
7. Develop and execute a project plan
8. Demonstrate appropriate written and verbal communication skills
9. Evaluate the quality of multiple viewpoints, arguments, and evidence and distinguish between fact and opinion
10. Exhibit social responsibility and examine the diverse cultures and value systems of our global community

CORE REQUIREMENTS

| Class # | Class Name | Credits |
|---------|---|---------|
| BS110 | Business Communications | 4 |
| BS150 | Business Writing | 4 |
| CJ220 | Security: Private, Local, State and Federal Governments | 4 |
| CS131 | MS Office Professional I | 3 |
| DB211 | Database Design | 4 |
| DB311 | Database Implementation | 4 |
| IT135 | Computing Fundamentals | 4 |
| IT155 | Computer Essentials | 4 |
| IT205 | Operating Systems I | 4 |
| IT255 | Operating Systems II | 4 |
| IT305 | Systems Analysis and Design | 4 |
| IT315 | Information Security | 4 |
| IT325 | Project Management | 4 |
| IT334 | Technology, Ethics and the Law | 4 |
| IT415 | Information Technology Capstone | 4 |
| IT435 | Business Intelligence Systems | 4 |
| MG100 | Introduction to Business | 5 |
| MK150 | Marketing | 4 |
| NT242 | Data and Networks | 4 |
| NT272 | Network Administration and Security | 4 |
| PD250 | Career Development | 1 |
| SD114 | Introduction to Software Development | 4 |
| SD234 | Programming I | 4 |
| SD254 | Programming II | 4 |
| WD130 | Basic Web Design | 3 |
| WD260 | Web Technologies | 4 |

Areas of Emphasis

Students will choose one of the following areas of emphasis:

Web Application Development:

| | | |
|-------|-----------------------------|---|
| IT324 | User Interface Design | 4 |
| IT332 | Formal Internet Languages | 4 |
| MK320 | Internet Marketing | 4 |
| WD350 | Web Servers | 4 |
| WD364 | Web Application Development | 4 |

Networking and Security:

| | | |
|-------|-------------------------------------|---|
| DB321 | Database Server Administration | 4 |
| IT333 | Network Application Services | 4 |
| IT425 | Network Security Services | 4 |
| IT432 | Computer Forensics | 4 |
| NT322 | Network Implementation Technologies | 4 |

Information Technology or Business Electives: Students will select 6 credits from courses with codes that begin with AC, BS, CS, DB, HR, KY, MG, MK, NT, SC or SD or as approved by the Dean of Students and Program Chair/Coordinator.

Total Core Minimum Credit Requirement

126

GENERAL EDUCATION REQUIREMENTS

A student pursuing a bachelor's degree is required to earn a minimum of 54 credits from the general education courses listed below, demonstrating a solid grounding in the liberal arts. A minimum of six credits must be earned in each of the following disciplines: communications, humanities, natural science and mathematics and social science.

| Class# | Class Name | Credits |
|---|---|-----------|
| COMMUNICATIONS | | |
| CM111 | Speech Communications | 4 |
| CM121 | Composition (required) | 4 |
| CM200 | Intercultural Communications | 4 |
| CM210 | Creative Writing | 4 |
| CM220 | Art of Persuasion | 4 |
| CM230 | Mass Communication | 4 |
| CM320 | Writing and Research | 4 |
| HUMANITIES | | |
| HU100 | Introduction to Humanities | 4 |
| HU121 | Film in Society | 4 |
| HU130 | Spanish I | 4 |
| HU150 | Introduction to Literature | 4 |
| HU200 | Art in the Modern World | 4 |
| HU230 | Spanish II | 4 |
| HU310 | The Novel | 4 |
| HU315 | World Literature | 4 |
| NATURAL SCIENCE and MATHEMATICS | | |
| NS105 | Biology | 4 |
| NS111 | Environmental Issues | 4 |
| NS112 | Topics in Mathematical Reasoning | 4 |
| NS116 | College Algebra I (required) | 4 |
| NS121 | Earth Science | 4 |
| NS216 | College Algebra II | 4 |
| NS305 | Statistics I | 4 |
| NS320 | Introduction to Decision Systems (required) | 4 |
| NS351 | Statistics II | 4 |
| SOCIAL SCIENCE | | |
| SS116 | Introduction to Psychology | 4 |
| SS130 | Law in Society | 4 |
| SS140 | Interpersonal Relations (required) | 4 |
| SS145 | Introduction to Macroeconomics | 4 |
| SS200 | Introduction to Microeconomics | 4 |
| SS205 | Sociology | 4 |
| SS210 | Developmental Psychology | 4 |
| SS230 | Psychology of Personality | 4 |
| SS311 | Human Behavior | 4 |
| SS331 | International Economics | 4 |
| SS360 | Abnormal Psychology | 4 |
| PROFESSIONAL DEVELOPMENT | | |
| PD102 | Strategies for Success (required) | 2 |
| Total General Education Minimum Credit Requirement | | 54 |

Total Program Minimum Credit Requirement

180

Notes:

Students are required to complete 30% of the program at the 300/400 level. Students may be required to complete Foundations of Mathematics I and/or II and Foundations of Writing I and/or II based upon competency exam scores.