

Information Technology Department Program Educational Objectives and Outcomes

Mission Statement

The Department of Information Technology's mission is to prepare students to meet the needs of users within an organizational and societal context through the selection, creation, application, integration and administration of computing technologies.

Program Educational Objectives:

1. Graduates of the IT program will be prepared to gain employment as an IT professional.
2. Graduates of the IT program will function effectively as individuals and team members in the workplace, growing into highly technical or project management and leadership roles.
3. Graduates of the IT program will pursue life-long learning, and obtain the tools to successfully identify and adapt to ever changing technologies.
4. Graduates of the IT program, if they are inclined, will be able to continue their formal education and be accepted to relevant graduate degree programs and succeed in these studies.

Program Outcomes:

- a. An ability to apply knowledge of computing and mathematics appropriate to the discipline;
- b. An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution;
- c. An ability to design, implement and evaluate a computer-based system, process, component, or program to meet designed needs;
- d. An ability to function effectively on teams to accomplish a common goal;
- e. An understanding of professional, ethical, legal, security, and social issues and responsibilities;
- f. An ability to communicate effectively with a range of audiences
- g. An ability to analyze the local and global impact of computing on individuals, organizations and society, including ethical, legal, security and global policy issues;
- h. Recognition of the need for, and ability to engage in, continuing professional development;
- i. An ability to use current techniques, skills and tools necessary for computing practices.

For information technology programs:

- j. An ability to use and apply current technical concepts and practices in the core information technologies;

- k. An ability to identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems;
- l. An ability to effectively integrate IT-based solutions into the user environment;
- m. An understanding of best practices and standards and their application;
- n. An ability to assist in the creation of an effective project plan.