

INFORMATION TECHNOLOGY

Mission Statement

The Department of Computer Science is aligned with the University mission and is dedicated to creation, transmission, application and preservation of knowledge. The Department of Computer Science oversees the Bachelor of Science in Information Technology (IT) intended to provide a core foundation in the skills most commonly required in an IT career while also providing an opportunity for students to specialize in one of five programs: Bioinformatics, Information Technology, Digital Enterprise, Human Computer Interaction and Networking and Telecommunication Technologies. This program strives to provide quality undergraduate education in information technology to contribute to the community, region and profession through research and service.

Student Learning Outcomes

UWF Information Technology graduates should be able to do the following:

Content

- Identify and use the concepts, principles, and theories of modern programming languages
- Employ techniques central to analysis of problems in the chosen areas
- Effectively use information technology frameworks (concepts, principles, theories) to explain computer facts, practices, and trends
- Select, configure and manage database products
- Select, install and manage computer networks
- Describe discipline related career paths for which recipients of this degree are qualified

Critical Thinking

- Apply scientific method to solve problems in the chosen areas
- Research and make use of emerging technologies in the field of information technology or one of the chosen areas
- Select and conduct appropriate statistical analyses of data from the chosen areas

Communication

- Employ terminology from the chosen areas accurately
- Demonstrate effective technical and/or business writing skills
- Communicate information from the chosen area in oral form employing appropriate technology
- Read information technology literature discriminately and with comprehension

Integrity/Values

- Describe and adhere to professional ethical principles in information technology

Project Management

- Design and execute a project that incorporates a reasonable time line to address problems in the chosen areas
- Collaborate effectively with others on team projects

Assessment of Student Learning Outcomes

Students from the IT program will be able to demonstrate specific skills in modern programming languages and demonstrate the use of different information technology frameworks with respect to their discipline related career paths. The upper level courses will give them the opportunity to identify and reflect the best project management skill sets through the completion of assignments that meet departmental standards and integrate what they have learned. Opportunities to showcase their work will be available as their study progresses, and these include the opportunity to participate in undergraduate research projects with faculty, or to present the results of their work at UWF or external events.

Jobs Prospects for Graduates of Information Technology

IT graduates work in a variety of settings following their undergraduate work. They can enter the job force and work in academia, industry, government or healthcare settings.

Some examples of career paths for IT graduates include:

Bioinformation Specialist

Database Analyst

Network Engineer

Internet Commerce technology analyst

Human Computer Interfacing Specialist

IT manager

Systems Designer

Web architect

Find Out More about Information Technology:

<http://uwf.edu/it>