Which Computing Major is Right for Me?

Computer Science

The work of computer scientists falls into three categories: designing and implementing software; devising new ways to use computers; and developing effective ways to solve computing problems. Computer Science majors at Towson University develop specialized knowledge and skills highly valued by employers.

The curriculum is both focused and flexible, with options that will prepare you for either careers in government, business, industry and education, or further study in graduate school.

Specialized Tracks

Computer Security: Designated as a Center of Excellence in Cyber Operations since 2002, you will learn the latest security theory and applications.

Software Engineering: Recommended for students interested in the design, implementation and support of software programs.

(Students may also choose a combined CS and Math major or a combined CS and Math with Security major.)

Information Systems

The field of information systems focuses on using technology to influence government policy, corporate profit, and nonprofits’ goals through working closely with people to streamline and innovate processes.

Graduates of the Information Systems major are prepared with a highly marketable combination of technical, organizational and behavioral skills. This program is a great fit if you enjoy technology and working with people.

Specialized Tracks (required)

Systems: Prepares you to develop reliable information systems with a focus on building key technical skills.

Business: Prepares you to integrate technology with business processes and strategies.

Interface: Prepares you to incorporate design and cognition into technology development for specific tasks, users or environments.

E-Govt: Prepares you to understand government and public policy contexts and to leverage technology in providing online government services.

Information Technology

Information Technology (IT) is an umbrella term often used to collectively refer to all computing disciplines. It is also a specific field of study focused on designing, implementing and supporting informational infrastructure, from websites to networks, for organizations ranging from business and government to schools and healthcare.

IT majors at Towson University develop a combination of specialized knowledge and practical hands-on skills preparing them to enter the workplace as an IT professional and grow into leadership positions or pursue graduate studies in the IT field.

IT career roles include:

Technical / End user support
Web development / administration
Project management
Data center operations
System administration
Network administration
Cloud administration

For more information visit: www.towson.edu/cis