

# 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 problem-solving skills highly valued by employers.

This curriculum has a focus on mathematical concepts, computational theory, and programming that will prepare you for careers in government, business, or industry and education.

### Computer Science Career Roles:

Software Engineer	Cybersecurity
Data Analyst	Database Administrator

## Information Technology

Information Technology is often used to refer to all computing disciplines but is mainly focused on designing, implementing and supporting informational infrastructure. Students will learn how to support organizations such as businesses, governments, schools, and healthcare organizations.

This curriculum is less math-based and less focused on programming. Instead this major focuses on developing leadership skills through more practical means. The Information Technology major is much more hands-on.

### IT Career Roles include:

Technical / End User Support	System Administration
Web Development	Network Administration
Project Management	Cloud Administration
Data Center Operations	

## Information Systems

Information Systems (IS) focuses on solving organization and enterprise needs by integrating key aspects such as people, processes, and policies into comprehensive applied technical solutions, which are often related to decision making, coordination, control, analysis, or data visualization.

IS professionals must understand both technical and organizational factors, and serve as a bridge between the technical and management communities within an organization.

This program is a great fit if you like technology and enjoy working with people.

### CIS Career Roles include:

- Project/Product Management
- Systems Analyst
- Data Analyst
- Information Systems Manager
- Information Systems Analyst

### Four Specialized Tracks:

- Data Analytics
- Systems
- Business
- Interface Design

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