



Division of Science, Technology, Engineering and Mathematics

Associate of Science in Computer Information Systems

This program prepares students for analyzing, designing, implementing, and maintaining a computer-based information system with both practical and theoretical instruction. This program is transferable to a junior-level Computer Information Systems program at a four-year institution. Students graduating from this program also will be able to enter job market as entry-level Information Systems technicians, as well as achieving proficiency in the college-wide learning outcomes.

Successful graduates of this program will be able to:

1. Implement and evaluate appropriate computer programs, based on mathematical and logical concepts to satisfy required program specifications;
2. Design and create a database system for a given organization and build database-driven multi-tier web sites (data access, business, and presentation);
3. Manage and maintain information systems while understanding the impact analyzing a system and designing a solution can have on individuals, organizations, economics, and society;
4. Design, maintain, and manage a small network of computers using a working knowledge of computer networks and data transmission protocols;
5. Develop and maintain a software library that considers particular organizations' financial standing, need for information and data rights, privacy, and security, services provided, societal responsibilities, ethics, economics, and politics;
6. Work effectively as a team member and leader on projects typical of an information systems technician;
7. Communicate effectively with a diverse group of collaborators within the computer science and other disciplines using appropriate written and oral presentation conventions;
8. Apply critical thinking and problem-solving skill to design and management of information systems;
9. Use scientific knowledge and methodology to test, validate, and update their knowledge about the natural world.