



Division of Science, Technology, Engineering and Mathematics

Information Technology Certificate

This program offers a wide range of introduction to Information Technology (IT) to students who have little background and high interest in entering the IT field. This program focuses on business-related applications to provide students with knowledge and skills needed for an entry-level IT position.

Successful graduates of this program will be able to:

1. Use business application software to create documents, presentations, and accounting spreadsheets;
2. Design and create a database system for a given organization;
3. Build database-driven multi-tier web sites (data access, business, and presentation);
4. Use scripting language to implement solutions for information systems management and administration problems;
5. Maintain information systems while understanding the impact the an information system can have on individuals, organizations, and society;
6. Examine the differences between different Management Information Systems, transaction processing, and decision support systems;
7. Design, maintain, and manage a small network of computers using a working knowledge of computer networks and data transmission protocols;
8. Develop and maintain a software library that considers particular organizations' need for information and data rights, privacy, security, and services provided.