



Division of Science, Technology, Engineering and Mathematics

Web Master Certificate

This program prepares students to perform administrator's responsibilities for a web site (including managing and hosting) and support web developers working on the web site. Students will gain not only web administration skills and knowledge, but also web design and development.

Successful graduates of this program will be able to:

1. Use knowledge of computing, web page development, and scripting language to implement aesthetically enticing web pages;
2. Capture, edit, and create digital images to be used for visual communication, using digital arts, graphic design, color, and basic image controllers;
3. Design and create dynamic content such as: multimedia presentations/communication, digital images and videos, animation, and sound effects for web pages;
4. Design, organize, and create interactive web sites and forms, which capture and validate user input, while keeping web design fundamentals and W3C (World Wide Web Consortium) standards in mind and maintain consistency of the web content;
5. Design, maintain, and manage a small network of computers using a working knowledge of computer networks and data transmission protocols;
6. Setup, configure, maintain, and troubleshoot web servers as well as Internet services;
7. Use other Internet tools/technologies such as: FTP and SMTP/POP3;
8. Apply project management skills, by coordinating tasks, assigning resources, and tracking cost in order to develop a project schedule using up-to-date and current project management tool.