



15/18 HOUR ONLINE GRADUATE CERTIFICATE PROGRAM  
**INFORMATION ASSURANCE**



DEPARTMENT OF TECHNOLOGY SYSTEMS, COLLEGE OF TECHNOLOGY & COMPUTER SCIENCE

The information assurance certificate program prepares graduates for employment in various levels of information technology industry. The skills included in the course work are required to be successful in positions such as information security specialist, network security analyst, and information security manager. The program is structured to achieve this objective through 15 semester hours of advanced course work. The information assurance certificate program is offered on-line via the Internet. Students are required to have fully functional computer hardware and full Internet connectivity. Hands-on experiences using industrial standard software is provided through our **virtual information assurance lab**.

**All courses are offered on-line with no on-campus residency required.**

Fifteen hours of Internet-based, on-line graduate coursework are required for the information assurance certificate.

- DTEC 6800 Internet Research Methods is taken in the first semester
- DTEC 6823 Information Security Management
- DTEC 6865 Fundamentals of Network Security
- DTEC 6873 Network Intrusion, Detection and Incidence Response
- DTEC 6878 Legal and Ethical Issues in Information Technology

Add DTEC 6870 Advanced Network Security for those who need to meet the SACS 18 hour requirement.

The courses are scheduled to allow completion of the certificate program in 18 months.

Transfer hours are *not* accepted in the information assurance certificate program.

An overall B average is required in all coursework in this certificate program. Two C's result in dismissal.

#### **Admission Standards**

You must have a B.S degree from an accredited institution and have either an overall GPA of 2.5 on a 4.0 scale on all undergraduate work, or a GPA of 3.0 on a 4.0 scale in either the undergraduate major or work taken during the senior year.

Prerequisites of this program include the knowledge of basic data communication, computer networking, and computer operation as evidenced by one of the following: COMPTIA Network+ certification or Cisco CCNA certification or equivalent course work. The prerequisite requirement can also be achieved by taking several ECU courses.

#### **Admission Procedure**

Complete the *Non-Degree Application for Certificate Programs* and return with one copy of official transcripts of all undergraduate and graduate coursework (sealed) along with two letters of recommendation from persons who can attest to the applicant's academic competence or potential in the information assurance environment.

Completion of a standardized examination, such as the GRE, is not required for admission to this certificate program.

#### **The Fine Print**

Admission to and completion of the website developer certificate program does not supersede the admission requirements to a M.S. degree program at East Carolina University nor does it guarantee admission to a degree program. Concurrent work on an M.S. degree requires admission to the M.S. program.

The Department of Technology Systems is a national leader in offering graduate level technology related degrees online. The program is Internet-based and students are advised, complete courses, collaborate on projects, perform research, and complete the degree via the Internet. Each student should have a state-of-the-art computer and reliable Internet access. Students will spend 10-15 hours per week in preparing for and participating in each course. Most of the students in the program are working professionals who are pursuing the degree for career advancement. Average completion time is 18 months if three credits per semester are taken. Courses are scheduled in a sequence over the fall, spring, and summer semesters and this allows program entry in any semester. Formats for the courses vary but all include frequent interaction with the instructor and other students. Courses are offered using a variety of Internet-based tools including streaming video, email, chat, threaded discussion, web, file transfer, and collaboration tools. The first course in the program, DTEC 6800, introduces the use of these tools in a collaborative research/study environment.

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#### **For more information contact:**

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