BS in Information and Computer Technology

What is ICT?

The Information and Computer Technology (ICT) program will prepare you for a successful career in the dynamic field of Information Technology (IT). ICT students learn both theoretical and applied strategies in the design, deployment, security, and troubleshooting of computer networks in small, medium, and large organizations. Students gain valuable experience in our laboratories as well as through industry internships, co-ops, and capstone projects. The program integrates industry-standard curriculum, heterogeneous internet working technologies, operating systems, and cloud technologies from leading companies such as Cisco Systems, EMC Corporation, Juniper Networks, IBM, Microsoft, Network Appliance, and RedHat.

The ICT program gets deep into networking, server work, information security and Linux. Students in this area are not creators necessarily (versus computer science), but rather, they take the systems and programs that already exist and make them function better, protect them and fix them if/when they break. For example, a student will not create a new router, but that student will know how to configure it and make it connect computers on a network.

Employment:

Positions: Our graduates are prepared for careers in computer networking, network security and information technology. The hands-on nature, technical currency, and technological diversity of our programs make our students very competitive in today’s global job market and allows them to “hit the ground running” upon graduation.

This is not a programming degree – that is our Computer Science degree (more information can be found here).

- Cybersecurity Analyst
- Network/Systems Administrator
- Computer System Analyst
- Computer Network Architect
- IT Consultant
- Mainframe Specialist
- Cyber defense (military)

Salaries: Mean salary range: $55,000-$70,000

Employers:

- ECU ITCS
- Fidelity Investments
- NAACO
- Red Hat
- Cisco Systems
- Honeywell
- NetApp
- Verizon
- Credit Suisse
- IBM
- Oracle
- Vidant Health

Certification Options: CCNA, Security +, RHCT and so many more!

Accreditation: ATMAE

Credit Hours: 120 (average 15 hours per semester without summer to graduate in four years)

Program Requirements: Catalog Entry
Advising Tips

- **Register** for ICTN 1500/1501 first. These are co-requisites, so you will need to register for them at the same time.

- Register for 15-16 hours your first semester. This ensures that if you need to withdraw from a course, you are still a full-time student, which could impact financial aid, residency, your ability to remain in the residence hall, etc.

- We recommend that you take a mix of major courses and general education courses each semester to balance your schedule. This may include 2 to 3 courses with labs, along with other courses.

- Many major courses are offered in spring or fall only and have prerequisites. When registering, check the course information to be sure you have met any prerequisites.

- You may see other restrictions when registering, including:
  - Student Attribute Error/Program Restriction most likely mean that you are attempting to register for an online/DE course, section numbers are typically in the 600’s. These are for students in our online programs only.
  - Prerequisite: You do not have the prerequisite to take this course