

College of Technology and Computer Science
 Department of Technology Systems
B.S. In Information & Computer Technology
Concentration in Computer Networking

Program Coordinator: Dr. Phil Lunsford, Lunsfordp@ecu.edu, 252-328-9640

This program prepares students to design, implement, troubleshoot, and maintain systems of computers and computer networks. Additionally, students are prepared for upward mobility with basic management courses. By choosing free electives carefully, students may earn a minor in industrial supervision or a minor in business administration without taking additional courses. The computer networking concentration places emphasis on the design, implementation, and troubleshooting of intra- and inter-networks. Advanced routing, switching, remote access, and network troubleshooting are covered in depth.

Please note that this is a **recommended** sequence and should only be used as a guide.
 Check the catalog for prerequisites.
 Course availability may vary from semester to semester.

FRESHMAN YEAR					
CC Equivalent	Fall Semester		CC Equivalent	Spring Semester	
Cis 215	ICTN 1500, 1501	3,0	Cis 110	ITEC 2000 or MIS 2223	3
Hea 110	HLTH 1000	2	Eco 251	ECON 2113	3
Psy 150	EXSS 1000	1	Eng 112,113, or 114	ENGL 1200	3
Ped 110	PSYC 1000	3	Phy 151	PHYS 1250, 1251	3,1
Eng 111	ENGL 1100	3		Social Science	3
Mat 161	MATH 1065 or 1066	3			15
		15			
SOPHOMORE YEAR					
	ICTN 2154, 2155	3,0		ICTN 2158, 2159	3,0
	ICTN 2000	3		ICTN 2730	3
Com 231	COMM 2420 or 2410	3		PSYC 3241	3
Phy 152	PHYS 1260, 1261	3,1	Bus 115	FINA 2244	3
	ITEC 3200 or MATH 2283	3		ITEC 3800 or ACCT 2101	3
		16		Humanites/Fine Art	2
					17
JUNIOR YEAR					
	ICTN 3250, 3251	3,0		ICTN 4250, 4251	3,0
	ICTN 2510, 2511	3,0		ICTN 3530, 3531	3,0
	ICTN 2900, 2901	3,0		Approve Free Elective	3
	ITEC 3290	3		3000+ Approved Elective	3
	ITEC 3300	3		IDIS 3790	3
	Humanites/Fine Art	3			15
		18			
SUMMER					
	ICTN 4000 - Internship	3			
SENIOR YEAR					
	ICTN 4150, 4151	3,0		ICTN 4590, 4591	3,0
	ICTN 3540, 3541	3,0		ICTN 4040	3
	ITEC 4293 or MGMT 3202	3		Humanites/Fine Art	2
	ICTN 4020	1		Approved Free Elective	3
	3000+ Approved Elective	3		ICTN 4022	2
		13			14

Notes:

Total hours required for the ICT degree is 126 hrs. Up to 63hrs of the degree may be applied from 2 year institutions.

Seeking advisement from a Technology Systems Academic Advisor is strongly encouraged.

Revised: August 2007