

North Carolina Career Cluster Information Technology

Related Pathways

Information Support and Services
Network Systems
Programming and Software Development
Web and Digital Communication

CTE Program Areas	CONCENTRATION (Four total credits required)			
	Foundational Courses		Career Cluster Enhancement Courses	
BUSINESS AND INFORMATION TECHNOLOGY EDUCATION	2508 AP Computer Science A 6341 Networking I 6345* Network Administration II – Linux 6346* Network Administration II – Novell 6347* Network Administration II – Microsoft 6411 Computer Applications I 6415 eCommerce I 6416* eCommerce II 6421 Computer Programming I – VB.NET 6422* Computer Programming II – VB.NET 6426 Computer Programming I – Other Languages 6427* Computer Programming ii – Other Languages	6430 International Baccalaureate Information Technology 6451 Database Programming I – Oracle 6452* Database Programming II – Oracle 6514 Digital Communication Systems 6596 Business & Information Technology Education Department of Labor Registered Apprenticeship 6597 Business & Information Technology Education Cooperative Education 6599* Business & Information Technology Education Advanced Studies	6200/6600 Principles of Business & Personal Finance 6412 Computer Applications II 6498 University – Business & Marketing 6499 Community College – Business & Marketing 6598 Business & Information Technology Education Internship	
	Partnering opportunities: NAF Academy of Information Technology courses can meet requirements for Foundational courses in this cluster.			
CAREER DEVELOPMENT			6145 Career Management	
MARKETING EDUCATION			6235/6615 Small Business Entrepreneurship	
TECHNOLOGY EDUCATION			7901/8006 Scientific & Technical Visualization I 8110 Fundamentals of Technology 8125 Communication Systems	
TRADE AND INDUSTRIAL EDUCATION	7400 Introduction to Trade & Industrial Education 7980 Networking I 7981* Network Engineering Technology II – Cisco 7982 Network Engineering Technology III – Cisco 7983* Network Engineering Technology II – Nortel 7984 Network Engineering Technology III – Nortel	7991 Computer Engineering Technology I 7992* Computer Engineering Technology II 7996 Trade & Industrial Education Department of Labor Registered Apprenticeship 7997 Trade & Industrial Education Cooperative Education 7999* Trade & Industrial Education Advanced Studies	7898 University – Trade & Industrial Education 7899 Community College – Trade & Industrial Education 7921 Drafting I 7935 Digital Media I 7998 Trade & Industrial Education Internship	

To earn a concentration for graduation and CTE federal reporting purposes:

- The student must take at least four technical credits from among the courses listed in the Career Cluster.
- At least three of the technical credits must come from among the Foundational courses listed .
- At least one of the Foundational courses must be at the completer level, identified by an asterisk on the chart above.
- The fourth technical credit can be either a Foundational or Enhancement course.
- Enhancement courses can be from any program area identified in the Career Cluster.

* Completer course

