



COMPUTER NETWORK ENGINEERING TECHNOLOGY

Delaware Technical & Community College • www.dtcc.edu/connecteddegree



An opportunity to gain an associate degree from Delaware Tech and a bachelor's degree from Wilmington University.

THEORY & PRACTICE...

Why wait to try your skills in the career field? Start an exciting career at Delaware Tech. As a technician in the computer network engineering technology field, you'll be on the cutting edge of one of the fastest growing career fields. All types of business and industry are increasingly dependent on networks to exchange information electronically. A flourishing industry has developed to meet this demand. As a trained technician in the field, you will play an important role in delivering these services by designing, installing and maintaining computer networks. The Computer Network Engineering Technology program combines courses in both the computing and electronic fields to prepare you for your career. With your Delaware Tech start and Wilmington University connection, your career advancement can be a reality.

SERIOUS SAVINGS...

The associate-bachelor's **connected degree program** lets you get the education you need at a cost you can afford. Tax dollars at work make it possible for Delaware Tech to have the lowest tuition rate in the state of Delaware. Use what you save to pay for the bachelor's degree program!

MAKING THE CONNECTION...

This information sheet shows you the courses needed to complete your associate degree at Delaware Tech and your bachelor's degree at Wilmington University. Call Delaware Tech and Wilmington University, visit the campuses, and let us help you plan the transition!

WHAT YOU CAN DO...



Associate Degree Career Opportunities:
 Network Technician
 Computer Assembly & Repair Technician
 Network Administrator
 Internet Support Analyst
 Computer Technical Writer

Bachelor's Degree Career Opportunities:
 Network Engineer
 Network Analyst
 Microcomputer Software Consultant
 Senior Support Specialist

CONNECTED DEGREE



CONNECTED DEGREE CURRICULUM

Suggested Course Sequence

ASSOCIATE DEGREE Computer Network Engineering Technology			BACHELOR'S DEGREE Information Resources Management		
DELAWARE TECHNICAL & COMMUNITY COLLEGE			WILMINGTON UNIVERSITY		
CLASS	FIRST SEMESTER (fall)	CREDITS	CLASS	FIFTH SEMESTER (fall)	CREDITS
ENG121	Composition	3	HUM360	HWV: 3500 BCE-1650AD	3
ECO111	Macroeconomics (elective)	3	SCI101	Physics with Lab	3
MAT181	Algebra & Trig. I	4		Humanities Elective	3
	<i>Campus Program Courses*</i>		BBM301	Organizational Behavior	3
	SECOND SEMESTER (spring)			SIXTH SEMESTER (spring)	
ENG122	Tech Writing & Comm.	3	HUM361	HWV: 1650 AD – Present	3
ELC130	Digital Electronics I	4	MAT308	Inferential Statistics	3
MAT182	Algebra & Trig. II	4		Free Elective	3
	<i>Campus Program Courses*</i>	8	BBM320	Business Communications	3
	THIRD SEMESTER (fall)		BMK305	Marketing	3
ELC131	Digital Electronics II	4		SEVENTH SEMESTER (fall)	
	Social Science Elective	3		Humanities Elective	3
	<i>Campus Program Courses*</i>	12		Free Elective	3
	FOURTH SEMESTER (spring)		BLA301	Business Law I	3
ELC232	Intro to Microprocessors	4	HRM311	Human Resources Mgt.	3
	<i>Campus Program Courses*</i>	15	IRM320	Networks and Tele. or	
			IRM310	Programming Data	3
				EIGHTH SEMESTER (spring)	
			IRM400	Analysis and Design	3
			PHI319	Business Ethics	3
			IRM410	DBMS	3
			IRM420	Programming Environment	3
			IRM450	Project Mgt. and Practice	3
				<i>Course scheduling may vary by semester at different Wilmington University campuses.</i>	

*Credits from the following Campus Program Courses must be completed based upon campus requirements related to industry. See your advisor.

MAT253	Discrete Mathematics	3
ELM110	Intro to Computers & Technology	3
ELC120	Intro to Circuit Analysis	5
ELC124	DC/AC Circuit Analysis	5
CEN120	PC Telecommunications Basics	3
CEN150	Computer Assembly & Maintenance	3
CEN220	Digital Data Comm. w/Networks	4
CEN222	Windows NT Oper. Sys. & Networks	3
CEN223	Unix Operating Systems & Networks	4
CEN235	Fiber Optics w/Networks	4
CEN250	Data Structures in C/C++	4
CEN280	Special Problems in Eng. Tech	4
CIS120	Intro to Programming	3
CIS140	Computer Architecture	3
CIS141	Operating Systems I	4
CIS145	Networks & Distributed Systems	4
CIS146	Networking I	4
CIS150	C Programming Language	4
CIS190	Network Installation & Maintenance	3
CIS196	Networking II	4
CIS210	Data Communications	3
CIS211	Data Structures	4
CIS250	Operating Systems II	3
PHY205	General Physics I	4
PHY271	Electricity and Magnetism	4

*69 credits are required for graduation. DTCC students should check with their advisor for the correct sequencing of courses at their campus.

RDG 120, Critical Reading and Thinking, will be a required DTCC course unless the student is exempt.

For more information contact:

Delaware Tech
Dover: 302-857-1303
Wilmington: 302-573-5453

Wilmington University
Georgetown: 302-856-5780, ext. 9150
New Castle: 302-653-700