



CAMPUS: Terry  
 DEPARTMENT: Computer Network Engineering

RECOMMENDED  
 COURSE SEQUENCE SHEET

Name: \_\_\_\_\_  
 SSN: \_\_\_\_\_  
 Academic Advisor: \_\_\_\_\_  
 Matriculation date: \_\_\_\_\_

No pre-tech requirements  MAT 005  
 ESL  ENG 005  RDG 005  MAT 012  
 ENG 051  RDG 051  MAT 015  
 RDG 120  MAT 075

**RDG 120, Critical Reading and Thinking, will be a required course unless the student attains a specific minimum score on the College Placement Test.**

Curriculum: Computer Network Engineering Technology  
 Effective:

Curriculum Code Designation: CNEAASCNE

COURSE NUMBER AND TITLE	CL	L	CR	SEMESTER		GRADE	PREREQUISITES	COREQUISITES
				Offered	Completed			
<b>FIRST SEMESTER – FALL</b>								
ELM 110 Intro to Computers & Technology	2	2	3	Fal, Spr			Required score on CPT <b>OR</b> ENG 051 <b>OR</b> ENG 121 <b>AND</b> required score on CPT <b>OR</b> RDG 051 <b>OR</b> RDG 120	
ELC 120 Intro to Circuit Analysis	4	2	5	Fal			Required score on CPT <b>OR</b> MAT 015 <b>OR</b> MAT 016 <b>OR</b> MAT 075 <b>AND</b> required score on CPT <b>OR</b> RDG 051 <b>OR</b> RDG 120	MAT 181
ENG 121 Composition	3	0	3	Fal, Spr, Sum			Required score on CPT <b>OR</b> ENG 051 <b>OR</b> NCS 051 <b>OR</b> ESL 100 <b>AND</b> required scores on CPT <b>OR</b> RDG 051 <b>OR</b> ESL 100	
MAT 181 Algebra & Trig I	4	0	4	Fal, Spr, Sum			MAT 015 <b>OR</b> MAT 141 <b>OR</b> required math scores on CPT	
CEN 120 PC Telecommunications	3	2	4	Fal, Spr			Required score on CPT <b>OR</b> RDG 051	
<b>TOTAL</b>	16	6	19					
<b>SECOND SEMESTER – SPRING</b>								
CEN 150 Computer Assembly & Maintenance	3	2	4	Fal, Spr			Required score on CPT <b>OR</b> RDG 051	
CEN 222 Windows Operating System	3	2	4	Spr			CEN 120	
ELC 130 Digital Electronics I	3	3	4	Spr			Required score on CPT <b>OR</b> MAT 015 <b>OR</b> MAT 016 <b>AND</b> required score on CPT <b>OR</b> RDG 051 <b>OR</b> RDG 120	
MAT 182 Algebra & Trig II	4	0	4	Fal, Spr, Sum			MAT 181	
CEN 220 Digital Data Communications with Networks	3	2	4	Spr			CEN 120	
<b>TOTAL</b>	16	9	20					
<b>THIRD SEMESTER – FALL</b>								
Elective Social Science/Humanities	3	0	3	Fal, Spr, Sum			As required	
CEN 223 Unix Operating System & Networks	3	2	4	Fal			CEN 222	
ELC 131 Digital Electronics II	3	3	4	Fal, Spr			ELC 130	
PHY 205 General Physics I	3	2	4	Fal, Spr, Sum			MAT 181 <b>OR</b> MAT 185	
*RDG 120 Critical Reading & Thinking	(3)	(0)	(3)	Fal, Spr, Sum			Required score on CPT <b>OR</b> RDG 051 <b>OR</b> ESL 100 <b>AND</b> test score <b>OR</b> NCW 091 <b>OR</b> ENG 051 <b>OR</b> NCS 051 <b>OR</b> ESL 100 <b>OR</b> ENG 121 <b>OR</b> ENG 125	
<b>TOTAL</b>	12-(15)	7	15-(18)					

FOURTH SEMESTER – SPRING							
CEN 280	Special Problems in Engineering Technology	3	2	4	Spr		CEN 220 <b>AND</b> CEN 223
CEN 235	Fiber Optics with Networks	3	2	4	Spr		CEN 120 <b>AND</b> ELC 130
ELC 232	Introduction to Microprocessors	3	3	4	Spr		ELC 110 <b>AND</b> ELC 131 <b>AND</b> ELC 220
CEN 250	Data Structures in C++	4	1	4	Spr		CEN 120 <b>OR</b> CIS 120
ENG 124	Oral Communications (ENG 122 may be substituted)	3	0	3	Fal, Spr		Required score on CPT <b>OR</b> ENG 121 <b>OR</b> ENG 125 <b>AND</b> required test score <b>OR</b> RDG 120
Elective	Social Science/Humanities	3	0	3	Fal, Spr, Sum		As required
<b>TOTAL</b>		19	8	22			
<b>GRAND TOTAL</b>		63- (66)	30	<b>76- (79)</b>			

APPROVED ELECTIVES							
SOCIAL SCIENCE/HUMANITIES ELECTIVES							
COM 111	Human Communications	3	0	3	Fal, Spr, Sum		ENG 051, RDG 051 <b>OR</b> required scores on CPT
ECO 111	Macroeconomics	3	0	3	Fal, Spr, Sum		ENG 051, RDG 051, MAT 012 <b>OR</b> required scores on CPT
ECO 122	Microeconomics	3	0	3	Fal, Spr, Sum		ENG 051, RDG 051, MAT 012 <b>OR</b> required scores on CPT
POL 111	Political Science	3	0	3	Fal, Spr, Sum		ENG 051, RDG 051 <b>OR</b> required scores on CPT
PSY 121	General Psychology	3	0	3	Fal, Spr, Sum		ENG 051, RDG 051 <b>OR</b> required scores on CPT
PSY 122	Social Psychology	3	0	3	Fal, Spr		PSY 121
PSY 123	Industrial Psychology	3	0	3	Fal, Spr		ENG 051, RDG 051 <b>OR</b> required scores on CPT
SOC 111	Sociology I	3	0	3	Fal, Spr, Sum		ENG 051, RDG 051 <b>OR</b> required scores on CPT

*For students who meet the prerequisites.*

\_\_\_\_\_ Date

**Advisory Statement  
Program Complete at DT&CC**

I am aware that Delaware Technical & Community College is an open admissions institution with degree, diploma, and certificate programs that require participation in courses, internships, practicums and clinical assignments. These activities may require one or more medical and/or background screenings as a condition of enrollment. The admissions requirements for courses and/or program activities may include but not be limited to:

- immunizations and physical examinations,
- criminal history checks that may include a review of the adult abuse and child protection registries,
- drug screenings,
- and other licensing requirements

As a student, I further understand that I may be responsible for all arrangements and costs associated with these requirements. It is my responsibility to inquire about conditions and acceptance into courses and programs that may have special requirements. I am aware that I may seek the assistance of my counselor or technical advisor in identifying conditions of enrollment in all programs and courses at Delaware Tech.

**Employment After DT&CC**

I am also aware that conditions of employment are established by potential employers and not by Delaware Technical & Community College and such conditions of employment may include or exceed any or all of the above requirements.