



CAMPUS: Terry
 DEPARTMENT: Electronics 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: **Electronics Engineering Technology – Biomedical Option**
 Effective: Fall 1998 (99-1)

Curriculum Code Designation: **ELCAASBIM**

COURSE NUMBER AND TITLE	CL	L	CR	SEMESTER		GRADE	PREREQUISITES	COREQUISITES
				Offered	Completed			
FIRST SEMESTER – FALL								
ELC 120 Intro to Circuit Analysis	4	2	5	Fal			Required score on CPT OR MAT 015 OR MAT 016 OR MAT 075 AND required score on CPT OR RDG 051 OR RDG 120	MAT 181
ELM 110 Intro to Computers & Technology	2	2	3	Fal, Spr			Required score on CPT OR ENG 051 OR ENG 121 AND required score on CPT OR RDG 051 OR RDG 120	
MAT 185 Precalculus	4	0	4	Fal			Required math scores on CPT	
ENG 121 Composition	3	0	3	Fal, Spr, Sum			Required score on CPT OR ENG 051 OR NCS 051 OR ESL 100 AND required scores on CPT OR RDG 051 OR ESL 100	
*RDG 120 Critical Reading & Thinking	(3)	(0)	(3)	Fal, Spr, Sum			Required score on CPT OR RDG 051 OR ESL 100 AND test score OR NCW 091 OR ENG 051 OR NCS 051 OR ESL 100 OR ENG 121 OR ENG 125	
TOTAL	13- (16)	4	15- (18)					
SECOND SEMESTER – SPRING								
ELC 121 Network Analysis	4	2	5	Spr			ELC 119 OR ELC 120 AND MAT 181	MAT 182
ELC 130 Digital Electronics I	3	3	4	Spr			Required score on CPT OR MAT 015 OR MAT 016 AND required score on CPT OR RDG 051 OR RDG 120	
Elective Social Science/Humanities	3	0	3	Fal, Spr, Sum			As required	
ENG 124 Oral Communications (ENG 122 may be substituted)	3	0	3	Fal, Spr, Sum			Required score on CPT OR ENG 121 OR ENG 125 AND required test score OR RDG 120	
MAT 281 Calculus I	4	1	4	Fal, Spr			MAT 182 OR MAT 185	
TOTAL	17	6	19					
THIRD SEMESTER – FALL								
ELC 220 Analog Electronics I	4	2	5	Fal			ELC 121 AND MAT 182	
ELC 131 Digital Electronics II	3	3	4	Fal			ELC 130	
ELC 290 Internship	1	9	4	Fal, Spr			ELC 130	
BIO 110 Intro to Anatomy & Physiology	4	0	4	Fal, Spr			ENG 051, RDG 051 OR required scores on CPT	
Elective Physics	3	2	4	Fal, Spr, Sum			As required	
TOTAL	15	16	21					
FOURTH SEMESTER – SPRING								
Elective Social Science/Humanities	3	0	3	Fal, Spr, Sum			As required	
ELC 260 Biomedical Instrumentation	3	0	3	Spr			ELC 221 AND ELC 131	
ELC 291 Biomedical Internship	1	9	4	Fal, Spr			ELC 220	
Elective Technical	2-4	1-2	3-5	Fal, Spr			As required	
TOTAL	9-11	10-11	13-15					
GRAND TOTAL	54-59	36-37	68- (73)					

COURSE NUMBER AND TITLE	CL	L	CR	SEMESTER		G R A D E	PREREQUISITES	COREQUISITES
				Offered	Completed			
APPROVED ELECTIVES								
PHYSICS ELECTIVES								
PHY 205 Physics I	3	2	4	Fal, Spr, Sum			MAT 181 OR MAT 185	
PHY 281 Physics I with Calculus	3	2	4	Fal, Spr, Sum			MAT 281	
SOCIAL SCIENCE/HUMANITIES ELECTIVES								
COM 111 Human Communications	3	0	3	Fal, Spr, Sum			ENG 051, RDG 051 OR required scores on CPT	
ECO 111 Macroeconomics	3	0	3	Fal, Spr, Sum			ENG 051, RDG 051, MAT 012 OR required scores on CPT	
ECO 122 Microeconomics	3	0	3				ENG 051, RDG 051, MAT 012 OR required scores on CPT	
POL 111 Political Science	3	0	3	Fal, Spr, Sum			ENG 051, RDG 051 OR required scores on CPT	
PSY 121 General Psychology	3	0	3	Fal, Spr, Sum			ENG 051, RDG 051 OR required scores on CPT	
PSY 122 Social Psychology	3	0	3				PSY 121	
PSY 123 Industrial Psychology	3	0	3				ENG 051, RDG 051 OR required scores on CPT	
SOC 111 Sociology I	3	0	3	Fal, Spr, Sum			ENG 051, RDG 051 OR required scores on CPT	
SOC 222 Sociology II	3	0	3				SOC 111	
TECHNICAL ELECTIVES								
CEN 120 PC Telecommunications	3	2	4	Fal, Spr			Required score on CPT OR RDG 051	
CEN 150 Computer Assembly & Maintenance	3	2	4	Fal, Spr			Required score on CPT OR RDG 051	
CEN 180 C Language Introduction	3	2	4				Required score on CPT OR RDG 051	
CEN 250 Data Structures in C++	4	1	4				CEN 120 OR CIS 120	
CEN 280 Special Problems in Engr. Tech.	3	2	4				CEN 220 AND CEN 223	
ELC 221 Analog Electronics II	4	2	5	Fal, Spr			ELC 220	
MAT 282 Calculus II	4	1	4				MAT 281	
PHY 206 Physics II	3	2	4	Fal, Spr, Sum			PHY 205 AND MAT 182	

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.