



CAMPUS: Terry  
 DEPARTMENT: Electromechanical 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: Electromechanical Engineering Technology  
 Effective: Fall 1998 (99-1)

Curriculum Code Designation: ELMAASELM

COURSE NUMBER AND TITLE	CL	L	CR	SEMESTER		GRADE	PREREQUISITES	COREQUISITES
				Offered	Completed			
<b>FIRST SEMESTER – FALL</b>								
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
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	
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	
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	
*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>	13- (16)	4	15- (18)					
<b>SECOND SEMESTER – SPRING</b>								
ELM 210 Industrial Electricity	3	2	4	Spr			ELC 120 <b>OR</b> ELC 122	
ELM 220 Properties & Behavior of Materials	2	3	3	Spr			MAT 142 <b>OR</b> MAT 181	
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	
MAT182 Algebra & Trig II	4	0	4	Fal, Spr, Sum			MAT 181	
MET 123 Modern Manufacturing Techniques	2	4	3	Spr				
<b>TOTAL</b>	14	12	18					
<b>THIRD SEMESTER – FALL</b>								
EDD 171 Introduction to CAD Using AutoCAD	2	2	3	Fal			AET 123 <b>OR</b> AET 125	
ELM 252 Fluid Power	2	3	3	Fal			ELM 210	
ENG 124 Oral Communications (ENG 122 may be substituted)	3	0	3	Fal, Spr, Sum			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	
PHY 205 General Physics I	3	2	4	Fal, Spr, Sum			MAT 181 <b>OR</b> MAT 185	
Elective Social Science	3	0	3	Fal, Spr, Sum			As required	
<b>TOTAL</b>	13	7	16					
<b>FOURTH SEMESTER – SPRING</b>								
Elective Social Science	3	0	3	Fal, Spr, Sum			As required	
ELC 215 Programmable Logic Controllers	3	2	4	Spr			ELC 118 <b>AND</b> ELC 119 <b>OR</b> ELC 120 <b>OR</b> ELC 122 <b>AND</b> ELC 130 <b>AND</b> MAT 181	
ELM 290 Electromechanical Internship	1	9	6	Spr			ELC 130	
PHY 206 Physics II	3	2	4	Fal, Spr, Sum			PHY 205 <b>AND</b> MAT 182	
<b>TOTAL</b>	10	13	17					
<b>GRAND TOTAL</b>	50- (53)	36	<b>66- (69)</b>					

COURSE NUMBER AND TITLE	CL	L	CR	SEMESTER		G R A D E	PREREQUISITES	COREQUISITES
				Offered	Completed			
<b>APPROVED ELECTIVES</b>								
<b>SOCIAL SCIENCE/HUMANITIES ELECTIVES</b>								
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				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				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	

*Course substitutions may be permitted with departmental approval.*

*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.