



CAMPUS: STANTON  
 DEPARTMENT: Electronics and Computer Engineering Technology

**RECOMMENDED COURSE SEQUENCE SHEET**  
 Effective: 2008-51

Name: \_\_\_\_\_  No pre-tech requirements  MAT 005  
 SSN: \_\_\_\_\_  RDG 005  MAT 012  
 Academic Advisor: \_\_\_\_\_  ENG 005  RDG 051  MAT 015  
 Matriculation Date: \_\_\_\_\_  ESL  ENG 051  RDG 120  MAT 075

OPTION: Computer Engineering Technology

Curriculum Code Designation: ECNAASCOE

COURSE NUMBER AND TITLE	CL	L	CR	Semester			PREREQUISITES	CO-REQ.
				Offered	Completed	GR		
<b>FIRST SEMESTER</b>								
CEN100 Intro-Computer & Electrical Engineering Technology	1	2	2	Fall			MAT012,ENG051,RDG051 or placement test	
CEN150 - Computer Assembly & Maintenance	3	3	4	Fall			MAT015,RDG051 or placement test	
*ELC118 Intro to Electricity <b>Or</b>	(2)	(2)	(3)	Fall			Placement test CPT or MAT 015 or MAT 016 and required score on CPT or RDG 051 or RDG 120	MAT075
ELC120 Intro to Circuit Analysis	3	3	4	Fall			Placement test CPT or MAT 075 and required score on CPT or RDG 051 or RDG 120	MAT181
ENG121 Composition	3	0	3	Fall			RDG 051 & ENG 051 or Placement test	
MAT181 Algebra and Trigonometry I	4	0	4	Fall			MAT 075 or Placement test	
<b>TOTAL</b>	<b>14</b>	<b>8</b>	<b>17</b>					
<b>SECOND SEMESTER</b>								
CEN224 Computer Networks	3	2	4	Spring			CEN150;ELC118, ELC120 or ELC124	
(ELC119 DC & AC Circuit Analysis)	(2)	(2)	(3)	Spring			ELC118; MAT075	MAT181
ELC121 Network Analysis	3	3	4	Spring			ELC118 & ELC119 or ELC120;MAT182	MAT182
ELC130 Digital Electronics I	3	3	4	Spring			Placement test CPT or MAT 015 or MAT 016 or MAT 075 and required score on CPT or RDG 051 or RDG 120	ELC118 or ELC120
ENG122 Technical Writing/Composition	3	0	3	Spring			ENG121	
MAT182 Algebra and Trigonometry II	4	0	4	Spring			MAT181	
<b>TOTAL</b>	<b>16</b>	<b>9</b>	<b>19</b>					
<b>THIRD SEMESTER</b>								
CEN105 Programming for Technology	2	2	3	Fall			ELC120 or ELC118	ELC120
CEN225 Introduction to Network Security	3	2	4	Fall			CEN224,CEN150	
ELC131 Digital Electronics II	3	3	4	Fall			ELC130; ELC118	
ELC220 Analog Electronics I	3	3	4	Fall			MAT182,ELC121	ELC121
Humanities Elective (see below)	3	0	3	Fall			Placement test or RDG 051 & ENG 051	
<b>TOTAL</b>	<b>14</b>	<b>10</b>	<b>18</b>	Fall				
<b>FOURTH SEMESTER</b>								
ELC232 Introduction to Microprocessors	3	3	4	Spring			CEN105; ELC131	
MAT2XX Math Elective	4	0	4	Spring			MAT182	
PHY271 Electricity and Magnetism	3	2	4	Spring			MAT181	
Humanities Elective (see below)	3	0	3	Spring			Placement test or RDG 051 & ENG 051	
<b>TOTAL</b>	<b>13</b>	<b>5</b>	<b>15</b>					
<b>GRAND TOTAL</b>	<b>57</b>	<b>32</b>	<b>69</b>					

Taking both ELC118 and ELC119 results in credit for ELC120 MAT185 is equivalent to taking for MAT181 and MAT182.

Humanity Electives (Choose two)

COM111 SOC111 PSY123  
 ECO122 ECO111  
 PSY100 POL111 HIS111  
 PSY122 PSY121 ENG128

Math Elective (Choose one)

MAT271 Probability and Statistics  
 MAT281 Calculus I  
 MAT263 Principles of Discrete Math