

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

Curriculum: Electronics and Computer Engineering Technology  
 OPTION: Electrical Engineering Technology

Curriculum Code Designation: ECNAASELL

COURSE NUMBER AND TITLE	CL	L	CR	SEMESTER		GR	PREREQUISITES	CO-REQ.
				Offered	Completed			
<b>FIRST SEMESTER</b>								
CEN-100 Intro-Computer & Electrical Engineering Technology	1	2	2	Fall			Placement test or MAT012, ENG051, RDG051	
CEN150 Computer Assembly & Maintenance	3	2	4	Fall			MAT015,RDG051 or placement test	
ELC-118 Introduction 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
ELC-120 Introduction 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
ENG-121 Composition	3	0	3	Fall			Placement test or RDG 051 & ENG 051	
MAT-181 Algebra and Trigonometry I	4	0	4	Fall			Placement test or MAT075	
<b>TOTAL</b>	<b>14</b>	<b>7</b>	<b>17</b>					
<b>SECOND SEMESTER</b>								
(ELC-119 DC & AC Theory )	(2)	(2)	(3)	Spring			ELC118m MAT-181	MAT181
ELC-121 Network Analysis	3	3	4	Spring			ELC120 or (ELC118; ELC119)	MAT182
ELC-130 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/Communications	3	0	3	Spring			ENG121	
MAT-182 Algebra & Trigonometry II	4	0	4	Spring			MAT181	
XXXX Humanities Elective (see below)	3	0	3	Spring			Placement test or RDG 051 & ENG 051	
<b>TOTAL</b>	<b>16</b>	<b>6</b>	<b>18</b>					
<b>THIRD SEMESTER</b>								
CEN-105 Programming for Technology	2	2	3	Fall			ELC120 or ELC118	ELC118
ELC-131 Digital Electronics II	3	3	4	Fall			ELC130	
ELC-220 Analog Electronics I	3	3	4	Fall			ELC121; MAT182	
MAT-2XX Math Elective	4	0	4	Fall			MAT182	
XXXX Humanities Elective(see below)	3	0	3	Fall			Placement test or RDG 051 & ENG 051	
<b>TOTAL</b>	<b>15</b>	<b>8</b>	<b>18</b>					
<b>FOURTH SEMESTER</b>								
ELC-xxx Technical Elective	3	2	4	Spring			Check prereq of specific course	
ELC-221 Analog Electronics II	3	3	4	Spring			ELC220	
ELC-232 Introduction to Microprocessors	3	3	4	Spring			CEN105 or CIS120, ELC131	
PHY-271 Electricity & Magnetism	3	2	4	Spring			MAT181	
<b>TOTAL</b>	<b>12</b>	<b>10</b>	<b>16</b>					
<b>GRAND TOTAL</b>	<b>57</b>	<b>31</b>	<b>69</b>					

Taking both ELC118 and ELC119 results in credit for ELC120. MAT 185 is equivalent to taking for MAT 181 and MAT 182.

Humanity Electives (choose two)

COM111 ECO111 HIS111  
 ECO122 POL111 ENG125  
 PSY100 PSY121  
 PSY122 PSY123  
 SOC111

Math Elective (choose one)

MAT261 Business Calculus I  
 MAT281 Calculus I  
 MAT263 Principles of Discrete Math

Technical Elective (choose one)

ELC215 Intro. to PLCs  
 ELC230 Industrial Electronics