



CAMPUS: STANTON  
DEPARTMENT: Electronics/Electrical Engineering Technology

**RECOMMENDED COURSE SEQUENCE SHEET**  
Effective: 2002-01

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

\* 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/ELECTRICAL ENGINEERING TECHNOLOGY**  
**OPTION: PROCESS INSTRUMENTATION**

Curriculum Code Designation: **ELC/PCI**

COURSE NUMBER AND TITLE	C	L	CR	SEMESTER		G	PREREQUISITES	CO-REQ.
				Offered	Completed			

FIRST SEMESTER								
* RDG 120 Critical Reading and Thinking	(3)	(0)	(3)	Fall				
ELC-118 Introduction to Electricity <b>or</b>	(2)	(2)	(3)	Fall				MAT-075
ELC-120 Introduction to Circuit Analysis	4	2	5	Fall				MAT-181
MAT-181 Algebra & Trigonometry I	4	0	4	Fall			* Placement Test <b>or</b> MAT-075	
ENG-121 Composition	3	0	3	Fall			* Placement Test <b>or</b> RDG-051 & ENG051	
COM-111 <u>Approved</u> Humanities Elective	3	0	3	Fall				
<b>TOTAL</b>	<b>14</b>	<b>2</b>	<b>15</b>					MAT-075

SECOND SEMESTER								
ELC-119 DC & AC Theory <b>or</b>	(2)	(2)	(3)	Spring			ELC-118	MAT-181
ELC-121 Network Analysis	4	2	5	Spring			ELC-120 <b>or</b> (ELC 118; ELC 119)	MAT-182
ELC-130 Digital Electronics I	3	3	4	Spring			MAT-181; ELC-120; <b>or</b> ELC-118	
MAT-182 Algebra & Trigonometry II	4	0	4	Spring			MAT-181	
ELC-110 Technical Computer Applications	2	2	3	Spring			ELC-120	ELC-121
<b>TOTAL</b>	<b>13</b>	<b>7</b>	<b>16</b>					

THIRD SEMESTER								
ELC-220 Analog Electronics I	4	2	5	Fall			ELC-121; MAT-182	
ENG-122 Technical Writing/Communications	3	0	3	Fall			ENG-121	
ELC-270 Process Instrumentation I	3	2	4	Fall			ELC-120	
MAT-2XX Math Elective	4	0	4	Fall			MAT-182	
ELC-131 Digital Electronics II	3	3	4	Fall			ELC-130	
<b>TOTAL</b>	<b>17</b>	<b>7</b>	<b>20</b>					

FOURTH SEMESTER								
ELC-221 Analog Electronics II	4	2	5	Spring			ELC-220	ELC-131
ELC-232 Introduction to Microprocessors	3	3	4	Spring			ELC-110; ELC-131; ELC-220	
PSY-121 <u>Approved</u> Humanities Elective	3	0	3	Spring				
ELC-271 Process Instrumentation II	3	2	4	Spring			PHY-171	
PHY-171 Physics I	3	2	4	Spring			MAT-181	
<b>TOTAL</b>	<b>15</b>	<b>9</b>	<b>20</b>					
<b>GRAND TOTAL</b>			<b>71</b>					

Taking **both** ELC 118 **and** ELC 119 results in credit for ELC 120  
 Only Bob Gilligan or an Electronics advisor may register a student  
 for ELC 120. MAT 185 is equivalent to taking for MAT 181 **and** MAT 182.

**Math Elective (choose one)**  
 MAT-271 Probability and Statistics  
 MAT-281 Calculus I

**NOTE: \* Placement Test**