



CAMPUS: STANTON  
DEPARTMENT: Electronics/ Electrical Engineering Technology

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

Name: \_\_\_\_\_  No pre-tech requirements  MAT 005  MAT 181  
 SSN: \_\_\_\_\_  ESL  RDG 005  MAT 012  MAT 182  
 Academic Advisor: \_\_\_\_\_  ENG 005  RDG 051  MAT 015  MAT 185  
 Matriculation Date: \_\_\_\_\_  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: Math/Science Concentration  
Curriculum Code Designation: ELCAASMSC

| COURSE NUMBER AND TITLE             | C | L | CR        | SEMESTER |           | G | R | PREREQUISITES                | CO-REQ. |
|-------------------------------------|---|---|-----------|----------|-----------|---|---|------------------------------|---------|
|                                     |   |   |           | Offered  | Completed |   |   |                              |         |
| <b>FIRST SEMESTER (FALL)</b>        |   |   |           |          |           |   |   |                              |         |
| CIS 120 Introduction to Programming | 3 | 2 | 4         |          | {         |   |   | *ENG 051, *MAT 012, *RDG 051 |         |
| ELC 120 Intro. to Circuit Analysis  | 3 | 3 | 4         |          | {         |   |   | Placement test               | MAT 181 |
| ENG 121 Composition                 | 3 | { | 0         | 3        |           | { |   | * RDG 051 &ENG 051           |         |
| MAT 281 Calculus I                  | 4 | 0 | 4         |          | {         |   |   | * MAT 182 or MAT 185         |         |
| PSY 121 General Psychology          | 3 | 0 | 3         |          | {         |   |   | *ENG 051, RDG 051            |         |
| <b>TOTAL</b>                        |   |   | <b>18</b> |          |           |   |   |                              |         |

|                                     |   |   |           |  |   |   |  |                   |        |
|-------------------------------------|---|---|-----------|--|---|---|--|-------------------|--------|
| <b>SECOND SEMESTER (SPRING)</b>     |   |   |           |  |   |   |  |                   |        |
| ECO 111 Macroeconomics              | 3 | 0 | 3         |  | { |   |  | *ENG 051, RDG 051 |        |
| ELC 121 Network Analysis            | 3 | 3 | 4         |  | { |   |  | ELC 120, MAT181   | MAT182 |
| ELC 130 Digital Electronics I       | 3 | 3 | 4         |  | { |   |  | ELC 120           |        |
| ENG 122 Technical Writing and Comm. | 3 | 0 | 3         |  | { |   |  | ENG 121           |        |
| MAT 282 Calculus II                 | 4 | 1 | 4         |  | { |   |  | MAT 281           |        |
| <b>TOTAL</b>                        |   |   | <b>18</b> |  | { | { |  | { FORMTEXT }      |        |

|                                |   |   |           |  |   |  |  |                   |  |
|--------------------------------|---|---|-----------|--|---|--|--|-------------------|--|
| <b>THIRD SEMESTER (FALL)</b>   |   |   |           |  |   |  |  |                   |  |
| CIS 150 C/C++ Programming      | 3 | 2 | 4         |  | { |  |  | CIS 120           |  |
| ECO 122 Microeconomics         | 3 | 0 | 3         |  |   |  |  | *ENG 051, RDG 051 |  |
| ELC 131 Digital Electronics II | 3 | 3 | 4         |  |   |  |  | ELC 130           |  |
| ELC 220 Analog Electronics I   | 3 | 3 | 4         |  | { |  |  | ELC 121           |  |
| MAT 283 Calculus III           | 4 | 1 | 4         |  | { |  |  | MAT 282           |  |
| <b>TOTAL</b>                   |   |   | <b>19</b> |  |   |  |  |                   |  |

|                                  |   |   |           |  |   |  |  |   |  |
|----------------------------------|---|---|-----------|--|---|--|--|---|--|
| <b>FOURTH SEMESTER (SPRING)</b>  |   |   |           |  |   |  |  |   |  |
| CHM 150 Chemical Principles I    | 4 | 3 | 5         |  |   |  |  | MAT 075, CHM 100 or CHM110 or high school chemistry within the last 5 years |  |
| ELC 221 Analog Electronics II    | 3 | 3 | 4         |  | { |  |  | ELC 220   |  |
| ELC 232 Intro to Microprocessors | 3 | 3 | 4         |  | { |  |  | ELC 131   |  |
| PHY 281 Physics I w/Calculus     | 3 | 2 | 4         |  | { |  |  | MAT 281   |  |
| SOC 111 Sociology I              | 3 | 0 | 3         |  | { |  |  | *ENG 051, RDG 051   |  |
| <b>TOTAL</b>                     |   |   | <b>20</b> |  |   |  |  |   |  |
| <b>GRAND TOTAL</b>               |   |   | <b>75</b> |  |   |  |  |   |  |

Note: \* Placement Test