

**Curriculum Sequence Checklist**  
**Electronics Engineering Technology Diploma – D40200**

**Course and Hour Requirements:**

**First Semester (Fall)**

| Course:                         | Course Name:                                      | Prereq/Coreq   | Class      | Lab        | Clin/Exp | Credit          |
|---------------------------------|---|--|------------|------------|----------|-----------------|
| EGR 125                         | Application Software for Tech                     | (NONE)   | 1          | 2          |          | 2               |
| ELC 131                         | Circuit Analysis I                                | (ELC 131A Coreq)   | 3          | 3          |          | 4               |
| ELC 131A                        | Circuit Analysis I Lab                            | (ELC 131 Coreq)  | 0          | 3          |          | 1               |
| ELN 133                         | Digital Electronics                               | (NONE)   | 3          | 3          |          | 4               |
| ENG 111                         | Writing and Inquiry                               | (DRE 098)  | 3          | 0          |          | 3               |
| MAT 121<br><b>OR</b><br>MAT 171 | Algebra/Trigonometry I<br><br>Precalculus Algebra | (DMA 010,DMA 020, DMA 030,DMA 040,DMA 050 & DMA 060)<br><br>(DMA 010,DMA 020, DMA 030,DMA 040,DMA 050 & DMA 060,DMA 070,DMA 080 <i>or</i> MAT 121) | 2<br><br>3 | 2<br><br>2 |          | 3<br><br>4      |
| <b>Semester Total</b>           |   |  |            |            |          | <b>17 or 18</b> |

**Second Semester (Spring)**

| Course:               | Course Name:              | Prereq/Coreq      | Class | Lab | Clin/Exp | Credit          |
|-----------------------|---------------------------|-------------------|-------|-----|----------|-----------------|
| CET 111               | Computer Upgrade/Repair I | (EGR 125)         | 2     | 3   |          | 3               |
| ELN 131               | Analog Electronics        | (ELC 112,ELC 131) | 3     | 3   |          | 4               |
| ELN 235               | Data Communications       | (NONE)            | 3     | 3   |          | 4               |
| ELN 232               | Intro. to Microprocessors | (ELN 133)         | 3     | 3   |          | 4               |
| ELN 236               | Fiber Optics and Lasers   | (None)            | 3     | 2   |          | 4               |
| <b>Semester Total</b> |                           |                   |       |     |          | <b>16 or 19</b> |

**Third Semester (Summer)**

| Course:               | Course Name:          | Prereq/Coreq                 | Class | Lab | Clin/Exp | Credit   |
|-----------------------|-----------------------|------------------------------|-------|-----|----------|----------|
| ELN 260               | Pro Logic Controllers | (None)                       | 3     | 3   |          | 4        |
| ELN 275               | Troubleshooting       | (ELN 131 <i>and</i> ELN 133) | 1     | 3   |          | 2        |
| <b>Semester Total</b> |                       |                              |       |     |          | <b>6</b> |

**Fourth Semester (Fall)**

| Course: | Course Name: | Prereq/Coreq | Class | Lab | Clin/Exp | Credit |
|---------|--------------|--------------|-------|-----|----------|--------|
|---------|--------------|--------------|-------|-----|----------|--------|

|                       |                       |           |   |   |  |                    |
|-----------------------|-----------------------|-----------|---|---|--|--------------------|
| ATR 280               | Robotic Fundamentals  | (None)    | 3 | 2 |  | 4<br><i>OPTION</i> |
| ELN 132               | Analog Electronics II | (ELn 131) | 3 | 3 |  | 4                  |
| <b>Semester Total</b> |                       |           |   |   |  | <b>4 or 8</b>      |

|                                   |              |
|-----------------------------------|--------------|
| <b>Total Hours for Graduation</b> | <b>46-48</b> |
|-----------------------------------|--------------|

**OPTION:** The student has the option to choose between CET 111 or ATR 280. The student must take one of the two courses but is not required to take both.

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