

Curriculum Sequence Checklist
Computer Engineering Technology – A40160

Course and Hour Requirements:

First Semester (Fall)

| Course: | Course Name: | Prereq/Coreq | Class | Lab | Clin/Exp | Credit |
|-----------------------|-------------------------------|--|-------|-----|----------|-----------|
| ACA 122 | College Transfer Success | (NONE) | 0 | 2 | | 1 |
| EGR 125 | Application Software for Tech | (NONE) | 1 | 2 | | 2 |
| ELN 133 | Digital Electronics | (NONE) | 3 | 3 | | 4 |
| ELN 235 | Data Communications | (NONE) | 3 | 3 | | 4 |
| ENG 111 | Writing and Inquiry | (DRE 098) | 3 | 0 | | 3 |
| MAT 121 | Algebra/Trigonometry I | (DMA 010,DMA 020, DMA 030,DMA 040,DMA 050 & DMA 060) | 2 | 2 | | 3 |
| Semester Total | | | | | | 17 |

Second Semester (Spring)

| | | | | | | |
|---------------------------|---------------------------|--|---|---|--|-----------|
| CET 111 | Computer Upgrade/Repair I | (EGR 125) | 2 | 3 | | 3 |
| CSC 151 | Java Programming | (CIS 115 <i>Or</i> EGR 125 <i>Or</i> ELN 232 <i>Or</i> Course Instr. Permission) | 2 | 3 | | 3 |
| ELN 232 | Intro. to Microprocessors | (ELN 133) | 3 | 3 | | 4 |
| Humanities / Fine Arts | Arts Core Elective | (Course Dependent) | 3 | 0 | | 3 |
| MAT 122 | Algebra/Trigonometry II | (MAT 121) | 2 | 2 | | 3 |
| Semester Total | | | | | | 16 |

Third Semester (Summer)

| | | | | | | |
|---------------------------------|---|-----------|--------|--------|--|----------|
| CET 222 | Computer Architecture | (None) | 2 | 0 | | 2 |
| COM 110 <i>Or</i> COM 231 | Intro to Communication Public Speaking | (ENG 080) | 3 3 | 0 0 | | 3 3 |
| CSC 251 | Adv. Java Prog. | (CSC 151) | 2 | 3 | | 3 |
| Semester Total | | | | | | 8 |

Fourth Semester (Fall)

| | | | | | | |
|-----------------------|----------------------------|---------------------|---|---|--|-----------|
| CET 211 | Computer Upgrade/Repair II | (CET 111) | 2 | 3 | | 3 |
| CET 293 | Selected Topics in CET | (Instr. Permission) | 2 | 3 | | 3 |
| CSC 143 | Object-Oriented Prog. | (CSC 251) | 2 | 3 | | 3 |
| ELC 131 | Circuit Analysis I | (ELC 131A Coreq) | 3 | 3 | | 4 |
| ELC 131A | Circuit Analysis I Lab | (ELC 131 Coreq) | 0 | 3 | | 1 |
| ELN 237 | Local Area Networks | | 2 | 3 | | 3 |
| Semester Total | | | | | | 17 |

Fifth Semester (Spring)

| Course: | Course Name: | Prereq/Coreq | Class | Lab | Clin/Exp | Credit |
|---------------------------|--------------------------|---------------------|--------------|------------|-----------------|---------------|
| CET 251 | Software Eng. Principles | (CSC 143) | 3 | 3 | | 4 |
| ELN 131 | Analog Electronics | (ELC 112,ELC 131) | 3 | 3 | | 4 |
| ELN 238 | Advanced LANs | (ELN 237) | 2 | 3 | | 3 |
| Social/Behavioral Science | Core Elective | (Course Dependant) | 3 | 0 | | 3 |
| CET 245 | Internet Servers | (ELN 237) | 2 | 3 | | 3 |
| Semester Total | | | | | | 17 |

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|-----------------------------------|-----------|
| Total Hours for Graduation | 75 |
|-----------------------------------|-----------|

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