



| Program: <b>Electronics Engineering Technology</b>    |   |   |   |   |   |   |   |  |   |
|---|---|---|---|---|---|---|---|--|---|
| CIP: 15.0303  |   |   |   |   |   |   |   |  |   |
| LIST ALL COURSES REQUIRED AND IDENTIFIED COMPETENCIES |   |   |   |   |   |   |   |  |   |
| Competencies  |   |   |   |   |   |   |   | Course Number  | Course Title                                |
| 1   | 2 | 3 | 4 | 5 | 6 | 7 | 8 |  |   |
|   |   |   |   |   |   |   |   | CETT 1321  | Electronic Fabrication                      |
|   |   |   |   |   |   |   |   | CETT 1403  | D. C. Circuits                              |
|   |   |   |   |   |   |   |   | CETT 1425  | Digital Fundamentals                        |
|   |   |   |   |   |   |   |   | CETT 1405  | A. C. Circuits                              |
|   |   |   |   |   |   |   |   | CETT 1449  | Digital Systems                             |
|   |   |   |   |   |   |   | X | CETT 1331  | Programming for Discrete Electronic Devices |
|   |   |   |   |   |   |   |   | CETT 1341  | Solid State Circuits                        |
|   |   |   |   |   |   |   |   | CETT 1445  | Microprocessors                             |
|   |   |   |   |   |   |   |   | CETT 1457  | Linear Integrated Circuits                  |
|   |   |   |   |   |   |   |   | EECT 2439  | Communication Circuits                      |
|   |   |   |   |   |   |   |   | ELMT 1301  | Prog. Logic Controllers                     |
|   |   |   |   | X | X | X |   | CETT 2439  | Research and Project Design                 |
|   |   |   |   |   |   |   |   | ELMT 2433  | Industrial Electronics                      |
|   |   |   | X |   |   |   |   | EECT 1303  | Intro. to Telecommunications                |
| X   | X |   |   |   |   |   |   | ENGL 1301  | English                                     |
|   |   | X |   |   |   |   |   | MATH 1314  | College Algebra                             |
|   |   |   |   |   |   |   |   | ENGL 2311  | Technical Report Writing                    |
|   |   |   |   |   |   |   |   | Math 1316  | Trigonometry                                |
|   |   |   |   |   |   |   |   | Elective   | Social Behavioral Science                   |
|   |   |   |   |   |   |   |   | Elective   | Humanities/Fine Arts                        |
|   |   |   |   |   |   |   |   | COMPETENCY REFERENCES  |   |
|   |   |   |   |   |   |   |   | 8 Basic use of computers   |   |
|   |   |   |   |   |   |   |   | 7 Workplace Competencies: resources; interpersonal skills; information; systems; and technology.   |   |
|   |   |   |   |   |   |   |   | 6 Personal Qualities: A worker must display responsibility, self-esteem, sociability, self-management, integrity, and honesty.   |   |
|   |   |   |   |   |   |   |   | 5 Thinking Skills: A worker must think creatively, make decisions, solve problems, visualize, know how to learn, and reason effectively.                                   |   |
|   |   |   |   |   |   |   |   | 4 Speaking and Listening: Organize ideas and communicate orally; receive, attend to, interpret, and respond to verbal messages and other cues.                             |   |
|   |   |   |   |   |   |   |   | 3 Arithmetic or Mathematics: Perform basic computations and approach practical problems by choosing appropriately from a variety of mathematical techniques.               |   |
|   |   |   |   |   |   |   |   | 2 Writing: Communicate thoughts, ideas, information, and messages in writing, and create documents such as letters, directions, manuals, reports, graphs, and flow charts. |   |
|   |   |   |   |   |   |   |   | 1 Reading: Locate, understand, and interpret written information in prose and in documents such as manuals, graphs, and schedules.   |   |



| <b>SCANS COMPETENCIES FOR PROGRAM Electronics Eng. Tech.</b>  |                                     |   |                                     |
|---|-------------------------------------|---|-------------------------------------|
| <b>ACADEMIC YEAR 2011-2012</b>  |                                     |   |                                     |
| Competency  | Course where Competency is Assessed | Method of Assessment                                  | Findings and Plans for Improvements |
| <b>1 READING:</b> Locate, understand, and interpret written information in prose and in documents such as manuals, graphs, and schedules.   | ENGL1301                            | Assessed per ENGL 1301 Administrative Master Syllabus |                                     |
| <b>2 WRITING:</b> Communicate thoughts, ideas, information, and messages in writing, and create documents such as letters, directions, manuals, reports, graphs, and flow charts. | ENGL1301                            | Assessed per ENGL 1301 Administrative Master Syllabus |                                     |
| <b>3 ARITHMETIC OR MATHEMATICS:</b> Perform basic computations and approach practical problems by choosing appropriately from a variety of mathematical techniques.               | MATH1314                            | Assessed per MATH1314 Administrative Master Syllabus  |                                     |
| <b>4 SPEAKING AND LISTENING:</b> Organize ideas and communicate orally; receive, attend to, interpret, and respond to verbal messages and other cues.                             | EECT1303                            | Departmental Rubric                                   |                                     |
| <b>5 THINKING SKILLS:</b> A worker must think creatively, make decisions, solve problems, visualize, know how to learn, and reason effectively.                                   | CETT2349                            | Departmental Exam                                     |                                     |
| <b>6 PERSONAL QUALITIES:</b> A worker must display responsibility, self-esteem, sociability, self-management, integrity, and honesty.   | CETT2349                            | Departmental Rubric                                   |                                     |
| <b>7 WORKPLACE COMPETENCIES:</b> resources; interpersonal skills; information; systems; and technology  | CETT2349                            | Departmental Rubric                                   |                                     |
| <b>8 BASIC USE OF COMPUTERS</b>   | CETT1331                            | Final Project   |                                     |