

## “Drawing Board” for a Tech Prep Program

| <b>Technology CLUSTER</b>       |   |  |   |   |
|---------------------------------|---|--|---|---|
| <i>Ohio High School</i>         |   |  |   |   |
| Subject                         | 9 <sup>th</sup> Grade                               | 10 <sup>th</sup> Grade                           | 11 <sup>th</sup> Grade                              | 12 <sup>th</sup> Grade  |
| MATH                            | <b>Algebra I</b>                                    | <b>Geometry</b>                                  | Algebra II  | Math IV   |
| ENGLISH/<br>SPEECH              | <b>English I</b>                                    | <b>English II<br/>Speech</b>                     | <b>English<br/>III</b>                              | <b>English<br/>IV-Life<br/>Long Skills<br/>Honors<br/>English</b> |
| SCIENCE                         | <b>Biology</b>                                      | Science<br>Elective                              | Physics   | Chemistry   |
| SOCIAL<br>STUDIES/<br>FINE ARTS | <b>World<br/>History</b>                            | World<br>Geography                               | <b>US<br/>History</b>                               | <b>Government<br/>Consumer<br/>Education</b>                      |
| (COMPUTER)<br>TECHNOLOGY        | <b>Computer<br/>Tech I<br/>Computer<br/>Tech II</b> | Desktop<br>Publishing<br>Computer<br>Tech III/IV | Desktop<br>Publishing<br>Computer<br>Tech<br>III/IV | Desktop<br>Publishing<br>Computer<br>Tech III/IV                  |
| OTHER                           |   |  |   | Senior<br>Seminar   |
| OTHER                           | <b>PE</b>   | <b>PE</b>  | <b>PE</b>   | <b>PE</b>   |

| <b>Electronic Engineering Technology (Career Major)</b> |   |  |  |
|---|---|--|--|
| <i>Sauk Valley Community College</i>                    |   |  |  |
| Freshman  |   | Sophomore  |  |
| <b>MAT 121-</b><br>College<br>Algebra -4 hrs.           | <b>MAT 122-</b><br>Trigonometry-<br>3 hrs.                |  |  |
| <b>ENG 101-</b><br>Composition I-<br>3 hrs.             |   |  | <b>ENG 111-Bus.<br/>&amp; Tech.<br/>Communication<br/>- 3 hrs.</b> |
|   | <b>Humanities/<br/>Fine Arts-</b><br>3 hrs.               | <b>PHY 175-</b><br>Introduction to<br>Physics- 4 hrs.                          |  |
|   | <b>Social/<br/>Behavioral<br/>Science-</b><br>3 hrs.      |  |  |
| <b>IND 105 or<br/>CIS 109-2-3<br/>hrs.</b>              | <b>EET 207-</b><br>Advanced<br>Circuits-<br>3 hrs.        | <b>EET 218-</b><br>Microprocessor<br>Architecture &<br>Applications- 4<br>hrs. |  |
| <b>PSY 100-</b><br>Orientation-<br>1 hr.                | <b>IND 131-Intro.<br/>OSHA<br/>Standards- 1hr.</b>        |  | <b>ENE 130-</b><br>Photovoltaics- 3<br>hrs.                        |
| <b>EET 107-Intro<br/>to DC/AC<br/>Circuits.-4 hrs.</b>  | <b>EET 245-</b><br>Programmable<br>Controllers-<br>3 hrs. | <b>EET 261-</b><br>Advanced<br>Programmable<br>Controllers-<br>3 hrs.          | <b>IND 239-</b><br>Industrial<br>Communication<br>s- 3 hrs.        |

|  |   |   |  |  |
|--|---|---|--|--|
| TECHNICAL CORE                                 |   | Electronics I<br>Electronics II             | Electronics I<br>Electronics II  |  |
| TECHNICAL CORE                                 | Business Concepts I<br>Business Concepts II | Business Concepts I<br>Business Concepts II |  |  |
| WACC OPPORTUNITY, INTERNSHIP EXP., DUAL CREDIT |   |   | WACC-Computer Repair & Maintenance I & II<br><br>WACC-Computer Technology I & II |  |

|   |   |   |  |
|---|---|---|--|
|   |   | <b>EET 265-</b><br>Power Distribution-3 hrs.  |  |
| <b>EET 110-</b> Intro to Digital Electronics-4 hrs. | . | <b>EET 252-</b> Industrial Electronics-3 hrs. | <b>EET 256-</b> Technical Problems-3 hrs.    |
|   |   |   | <b>IND 250-</b> Industrial Internship-2 hrs. |

**Recommended High School Electives:**

Electronics, Industrial Technology courses

**Relevant Articulated/Dual Courses:**

**SVCC Associate in Applied Science Degree:**

**Electronic Engineering Technology**

**SVCV Certificate:**

**Electronic Service and Repair**

**Electronics- Industrial**

**Electronics- Microprocessor Maintenance**

**Cluster Related Careers:**

Engineering Technician-\$ 45,000-47,750

Computer Engineers-\$ 64,00-66,750

Computer Equipment Repairs-\$ 30,000-32,150

Computer Programmers-\$ 55,000-59,650

Computer Security Specialist-\$ 52,00-54,850

Computer Support Specialist-\$ 40,000-41,750

Computer Systems Analyst-\$ 64,000-66,150

Computer Programming Manager-\$ 80,000-84,950