# "Drawing Board" for a Tech Prep Program

## Business CLUSTER

### Ohio High School

<table>
<thead>
<tr>
<th>Subject</th>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH</td>
<td>Algebra I</td>
<td>Geometry</td>
<td>Algebra II</td>
<td>Math IV</td>
</tr>
<tr>
<td>ENGLISH/ SPEECH</td>
<td>English I</td>
<td>English II</td>
<td>English III</td>
<td>English IV-LIFE LONG SKILLS HONORS ENGLISH</td>
</tr>
<tr>
<td>SCIENCE</td>
<td>Biology/Zoology</td>
<td>Science Elective</td>
<td>Physics</td>
<td>Chemistry</td>
</tr>
<tr>
<td>SOCIAL STUDIES/ FINE ARTS</td>
<td>World History</td>
<td>World Geography</td>
<td>US History</td>
<td>Government</td>
</tr>
<tr>
<td>OTHER</td>
<td></td>
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</tbody>
</table>

## Fire Science (Career Major)

### Sauk Valley Community College

<table>
<thead>
<tr>
<th>Subject</th>
<th>Freshman</th>
<th>Sophomore</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH</td>
<td>MAT 106 or higher-3 hrs.</td>
<td></td>
</tr>
<tr>
<td>ENGLISH/SPEECH</td>
<td>ENG 101-Composition I-3 hrs.</td>
<td>ENG 111-Business &amp; Technical</td>
</tr>
<tr>
<td>SCIENCE</td>
<td></td>
<td>Communication</td>
</tr>
<tr>
<td>SOCIAL STUDIES/FINE ARTS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(COMPUTER) TECHNOLOGY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OTHER</td>
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</tbody>
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*SUMMER* PSY 103- Intro to Psychology-3 hrs.
<table>
<thead>
<tr>
<th>OTHER</th>
<th>PE</th>
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</thead>
</table>
| FIR 100- Intro to Fire Science- 1 hr.  
FIR 101- Basic Firefighter Operations- Module A- 4 hrs.  
FIR 102- Basic Firefighter Operations- Module B- 4 hrs.  
FIR 103- Basic Firefighter Operations- Module C- 4 hrs. | FIR 104- Advanced Technician Firefighter- 8 hrs.  
FIR 105- Tactics & Strategies- 3 hrs.  
FIR 106- Fire Service Vehicle Operation- 1 hr. | FIR 200- Management I- 3 hrs.  
FIR 201- Fire Service Instructor I- 3 hrs.  
FIR 202- Fire Prevention Principles- 3 hrs.  
FIR 203- Hazardous Materials I- 1 hr. | FIR 204- Hazardous Materials II  
FIR 205- Management II- 3 hrs.  
FIR 206- Vehicle & Machinery Operations- 3 hrs.  
FIR 207- Technical Rescue Awareness- 1 hr.  
FIR 208- Building Construction- 3 hrs. |

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<tr>
<th>TECHNICAL CORE</th>
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</tr>
</thead>
</table>
| Business Concepts I  
Business Concepts II | Business Concepts I  
Business Concepts II | Business Concepts I  
Business Concepts II | DUAL CREDIT with SVCC-BUS 103-3 hrs.  
Internet Offering |

**Recommended High School Electives:**  
Accounting, Business & Computer Application courses

**Articulated Credit: Offered at Ohio High School**  
CIS 109-3 hrs.  
OAS 103 or CIS 137-1 hr.  
ACC 100-4 hrs.

**SVCC Associate in Applied Science Degree: Fire Science**

**SVCC Certificates:**  
Fire Science: Advanced Technician Firefighter  
Fire Science: Basic Operations Firefighter  
Fire Science: Building Construction  
Fire Science: Fire Prevention Principles  
Fire Science: Fire Service Instructor I  
Fire Science: Fire Service Vehicle Operator
Dual Credit: Offered through the Internet
SVCC-BUS 103-3 hrs.

Dual Credit: Offered at WACC
ENG 101-3 hrs.
BIO 104 or CHE 103-3-4 hrs.

Fire Science: Hazardous Materials I
Fire Science: Hazardous Materials II
Fire Science: Management I
Fire Science: Management II
Fire Science: Tactics and Strategy I
Fire Science: Technical Rescue Awareness
Fire Science: Vehicle/Machinery Operations

Cluster Related Careers & Salary Ranges in Illinois:
Fire Chief: $78,672
Deputy Chief: $69,166
Battalion Chief: $66,815
Assistant Fire Chief: 65,691
Fire Captain: $60,605
Fire Lieutenant: $50,646
Engineer: $48,307