### Vernonia High School

#### Portland Community College - Industrial & Engineering - Building Construction Pathway

**Degree**
- Associate of Applied Science

**Certificates/Degrees/Occupations**
- 1-year Certificate in Building Construction Technology

**Certification/Engineer/Permits**
- Minimum of 100 credits

**Education Levels Grade**
- 9
- 10
- 11
- 12

<table>
<thead>
<tr>
<th>Grade</th>
<th>English/Language Arts</th>
<th>Math</th>
<th>Science</th>
<th>Social Studies</th>
<th>Other Required Courses and Electives</th>
<th>Career Pathways Core Classes</th>
<th>Recommended Courses and/or Learning Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Introduction to Literature and Composition</td>
<td>Algebra I</td>
<td>Physical Science</td>
<td>Global Studies</td>
<td>Intro to Health/Computer Applications</td>
<td>Introduction to Woods</td>
<td>Articulated Courses</td>
</tr>
<tr>
<td>10</td>
<td>Survey of Literature and Composition</td>
<td>Algebra II</td>
<td>Biology</td>
<td>US History</td>
<td>Mechanical Engineering</td>
<td>Construction Manufacturing</td>
<td>Articulated Courses</td>
</tr>
<tr>
<td>11</td>
<td>American Literature and Composition</td>
<td>Algebra II</td>
<td>Chemistry</td>
<td>Government</td>
<td>Personal Finance</td>
<td>Career Exploration</td>
<td>Articulated Courses</td>
</tr>
<tr>
<td>12</td>
<td>World Literature and Composition</td>
<td>Elective Courses</td>
<td>Economics</td>
<td>Personal Finance</td>
<td>Construction/Manufacturing</td>
<td>Articulated Courses</td>
<td></td>
</tr>
</tbody>
</table>

**Program of Study**

**First Term**
- BCT 105 Residential Planning
- BCT 106 Residential Materials
- BCT 108 House Framing

**Second Term**
- BCT 101 Principles of Construction I
- BCT 102 Concrete Construction I
- ARCH 111 Interior Drawing

**Third Term**
- BCT 115 Construction I
- BCT 121 Home Framing I
- BCT 122 Residential Design

**Fourth Term**
- BCT 116 Construction II
- BCT 123 Residential Construction

**Associate of Applied Science**
- Building Construction Technology - CIPS# 151001

**Coursework includes hands-on instruction in the BCt shop, or at the BCt worksite in tool safety, residential worksite, in tool safety, residential construction, and in wood frames, civil, carpentry, remodeling, site supervisors, concrete workers, framing, roofer taping, masons, carpenters, etc.**

**Degree Requirements**
- Minimum of 100 credits

**Certificate/Engineer/Permits**
- Minimum of 100 credits

**Coursework includes hands-on instruction in the BCt shop, or at the BCt worksite in tool safety, residential worksite, in tool safety, residential construction, and in wood frames, civil, carpentry, remodeling, site supervisors, concrete workers, framing, roofer taping, masons, carpenters, etc.**

**Degree Requirements**
- Minimum of 100 credits

**Certificate/Engineer/Permits**
- Minimum of 100 credits

**Career possibilities exist for those going into business for themselves or seeking employment in the construction industry.**
- This program is designed to help students develop the technical specifications and the skills needed to enter the construction industry, as well as to help those currently in the construction trades upgrade and learn new skills.