Look around you. You are likely inside a room in a building, maybe your school. You are in a structure that started with an idea in an architect's head. The architect drew up plans that guided teams of people as they went about constructing the building—plumbers, electricians, masons, roofers, framers, and so on. And now that the building is finished, another team of people manage and maintain it, keeping equipment up and running, the spaces clean and organized, and the windows glistening. These are the people who work in Architecture & Construction cluster.

If you like to design and build things, tinker with tools and technology or decorate homes and office with flooring, paint, furniture and art, then the Architecture & Construction could be the right cluster for you!

**Architectural Design**
- 1.0 Credit

**Construction Management**
- 1.0 Credit

**Advanced Construction Management**
- 2.0 Credits

**Practicum in Architectural Design**
- 2.0 Credits

**Mill and Cabinets**
- 2.0 Credits

**Advanced Architectural Design**
- 2.0 Credits

**Principles of Architecture & Construction**
- 0.5 Credit

**Professional Communication**
- 0.5 Credit

### 5 Cool Careers

1. **Architectural Drafter**
   - Specialized: Architectural Drafting, Drafting & Design, Environmental Design, Interior Design
   - Little or No Vocational Certification Required

2. **Construction Manager**
   - Requires: Construction Management, Advanced Construction Management
   - Specialized: Construction Management, General Contractors, Project Managers
   - May Require: Vocational Certification

3. **Architect**
   - Specialized: Residential Architects, Commercial Architects, Structural Engineers
   - May Require: Vocational Certification

4. **Building Inspector**
   - Requires: Construction Management, Advanced Construction Management
   - Specialized: Inspector, Building Inspector, Code Enforcement Officer
   - Little or No Vocational Certification Required

5. **Architectural/Construction Teacher**
   - Requires: Any Architecture or Construction Program
   - Specialized: Classroom, Online

### 10 High Paying Careers

- **Civil Engineer**
- **Environmental Engineer**
- **Geotechnical Engineer**
- **Structural Engineer**
- **Historical Preservationist**
- **Architectural Draftsman**
- **Interior Designer**
- **Cabinet Maker**
- **Construction Superintendent**
- **Construction Project Manager**

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**Course Sequence**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architectural Design</td>
<td>3.0 Credits</td>
<td>An introductory programme that provides a foundation in the principles and practices of architectural design.</td>
</tr>
<tr>
<td>Advanced Architectural Design</td>
<td>3.0 Credits</td>
<td>An advanced programme that builds on the principles learned in the introductory course.</td>
</tr>
<tr>
<td>Construction Management</td>
<td>1.0 Credit</td>
<td>A programme that provides an understanding of the management aspects of construction projects.</td>
</tr>
<tr>
<td>Advanced Construction Management</td>
<td>2.0 Credits</td>
<td>An advanced programme that builds on the management principles learned in the introductory course.</td>
</tr>
<tr>
<td>Principles of Architecture &amp; Construction</td>
<td>0.5 Credit</td>
<td>A programme that provides an understanding of the fundamental principles of architecture and construction.</td>
</tr>
<tr>
<td>Professional Communication</td>
<td>0.5 Credit</td>
<td>A programme that focuses on developing effective communication skills in the context of architecture and construction.</td>
</tr>
</tbody>
</table>