Engineering Technology Programs at SCC

- CAD Design and Drafting
- Mechanical Design Technology
- Civil Engineering Technology
- Architectural Drafting
- CAD Drafting Certificate
Engineering Design

From Small ...
To Large
Engineering Design Teams include:

- Mechanical Engineer (B.A.) or Mechanical Eng. Tech (B.A.)
- Mechanical Engineering Tech (Designer) (A.A.S.)
- Mechanical Drafter (A.A.S. or Certif.)
Graduates from SCC Engineering Programs at work

Mechanical Engineering Technology Degree
Large Scale Engineering Projects

RAHCO International
Spokane, WA.
Automated Machine Designers

R.A. Pearson Company
Spokane, WA.
• Graphics
  – Drafting Skills
  – Computer Skills
  – Schematics
  – 3-Dimensional
• Calculations (all Applied)
  – Mathematics
  – Algebra
  – Trigonometry
  – Geometry
  – Statics (MET)
• Design Classes (MET)
  – Physics
  – Strength of Materials
  – Manufacturing
  – Material Science
  – Machine Design
  – Welding
  – Electronics
  – Fluid Power
Solid Modeling

Rapid Prototyping
Design Competitions

Human Powered Paper Vehicle Competition
Majority of students go directly to a design or drafting job

- Year-around work
- Generally office environment with close contact to the manufacturing area
- Good salary range
- Full benefits (insurance, retirement, etc.)
- Advanced education through company
<table>
<thead>
<tr>
<th>R.A. Pearson Co.</th>
<th>RAHCO Int.</th>
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<tbody>
<tr>
<td>Wagstaff Engineering</td>
<td>Boeing</td>
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<tr>
<td>Hewlett Packard</td>
<td>Key Tronic</td>
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<td>Col-Mac Coil</td>
<td>Alloy Trailers</td>
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<td>EZ-Loader</td>
<td>Itron</td>
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<td>Johnson Matthey</td>
<td>Kaiser Aluminium</td>
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<td>Kim Hotstart</td>
<td>Output Technology</td>
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<tr>
<td>ASC Machine Tool</td>
<td>Allied Safe &amp; Vault</td>
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</table>
Companies that manufacture automated equipment

R.A. Pearson Company
Large Scale Equipment Design

RAHCO International
Electronics and Industrial Controls

Companies like:
Hewlett Packard, Agilent, OTC, Telect, etc.
Automated Equipment

Hydraulics / Pneumatics

Electronics, Robotics, Controls
Transportation, Aviation and Related Industries

Boeing, Reliance Trailers, Ski Lifts, Heavy Equipment
J.J.

Mechanical Engineering Technology Degree

SCC Graduate
Structural Steel Fab
Steel Fabrication And Structural Design

Companies Like:
Garco, H & B Superior, Other Architectural and Civil Engineering companies that require mechanical calc’s
SCC
Design
Technology
Programs