



**Spokane
Community College**

CAD Design and Drafting

Mechanical Design Technology



Engineering Technology Programs at SCC

CAD

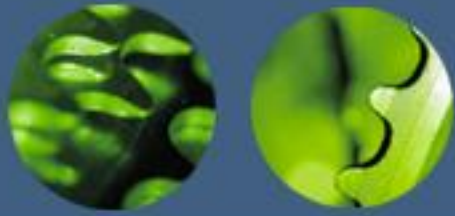
Design and
Drafting

Mechanical
Design
Technology

Civil
Engineering
Technology

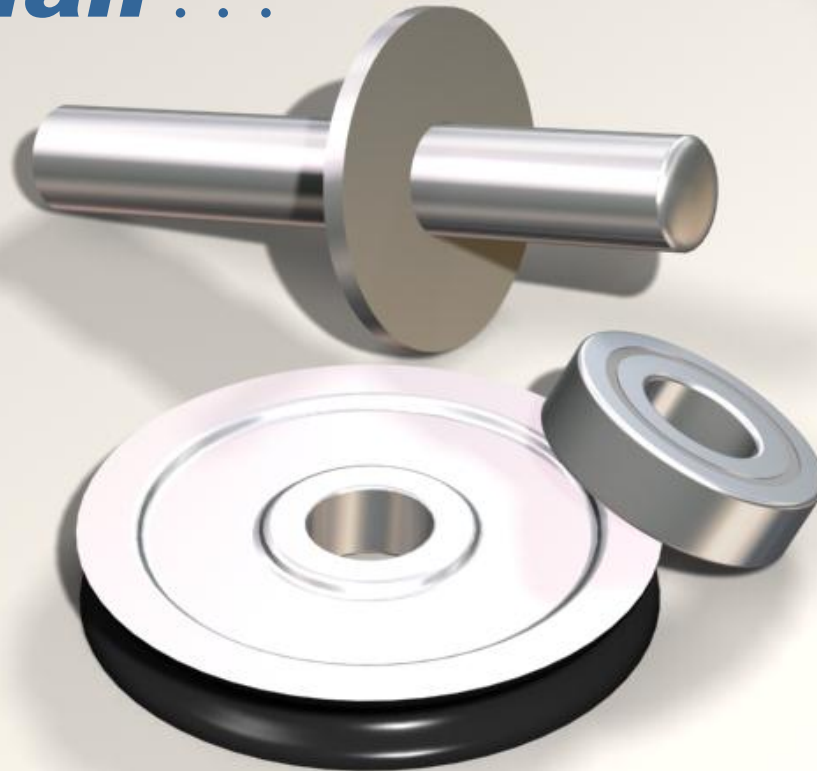
Architectural
Drafting

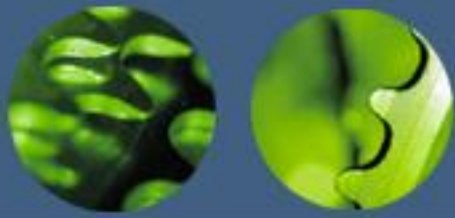
CAD
Drafting
Certificate



Engineering Design

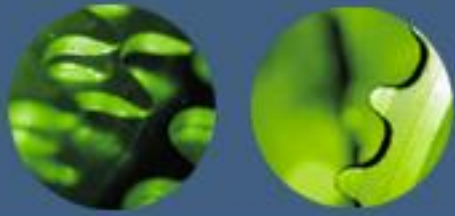
From Small ...





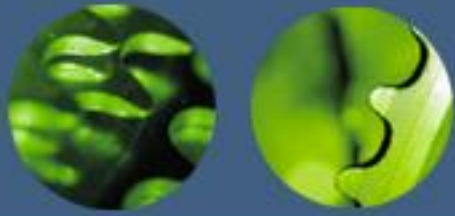
To Large





Engineering Team

- 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.)**



Linda

Graduates from SCC Engineering Programs at work



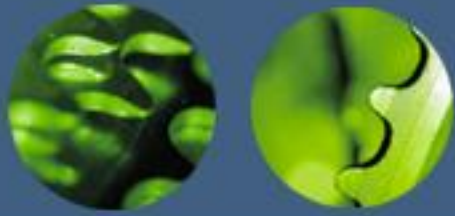
Mechanical Engineering Technology Degree



Large Scale Engineering Projects



RAHCO International
Spokane, WA.

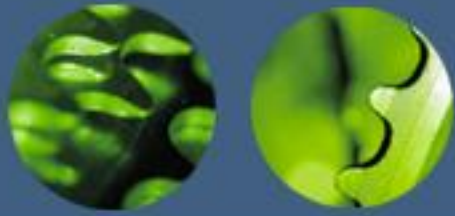


Automated Machine Designers



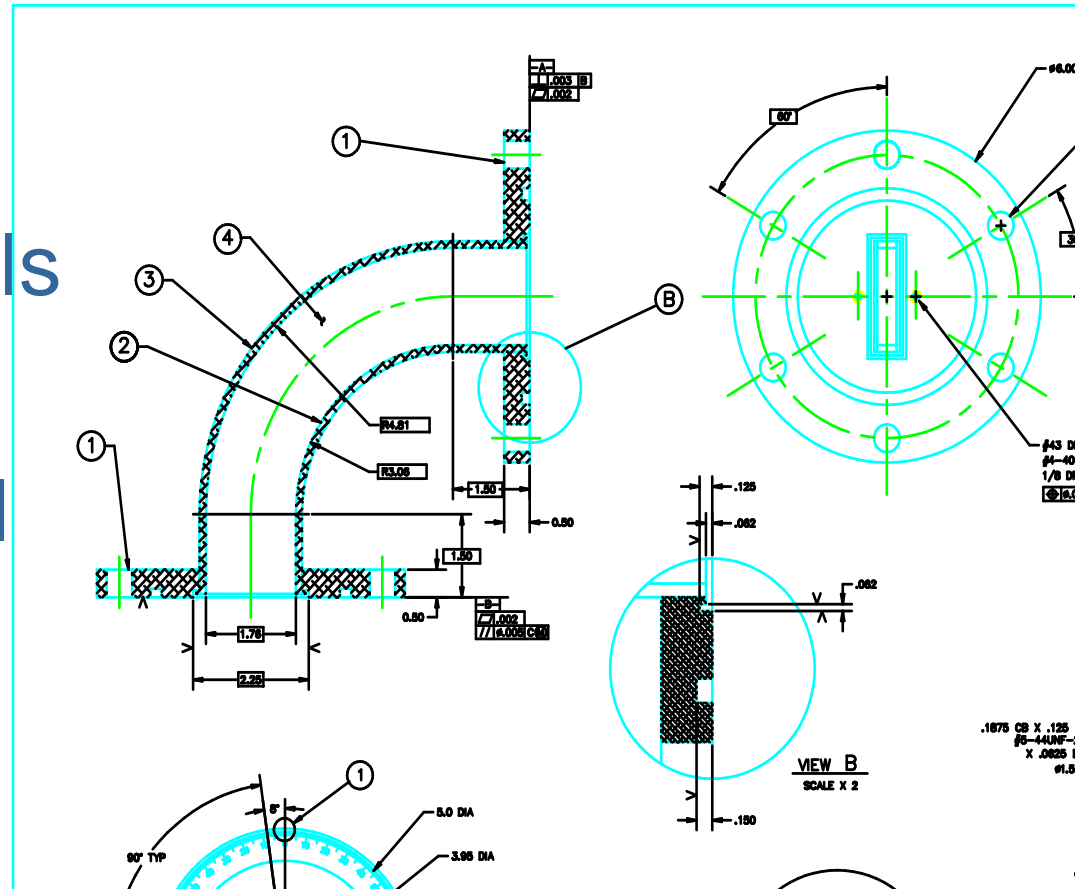
R.A. Pearson Company

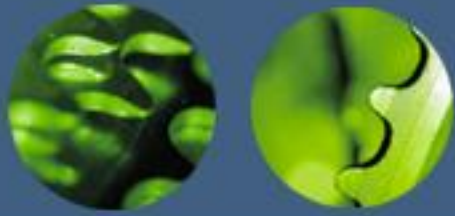
Spokane, WA.



CAD/MDT Curriculum

- Graphics
 - Drafting Skills
 - Computer Skills
 - Schematics
 - 3-Dimensional

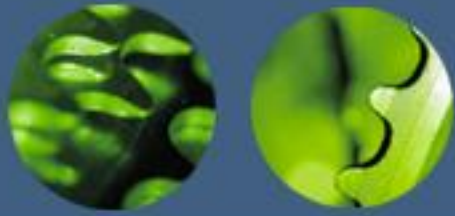




CAD/MDT Curriculum

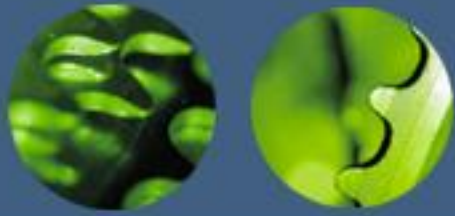
- Calculations (all Applied)
 - Mathematics
 - Algebra
 - Trigonometry
 - Geometry
 - Statics (MET)

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MDT Curriculum

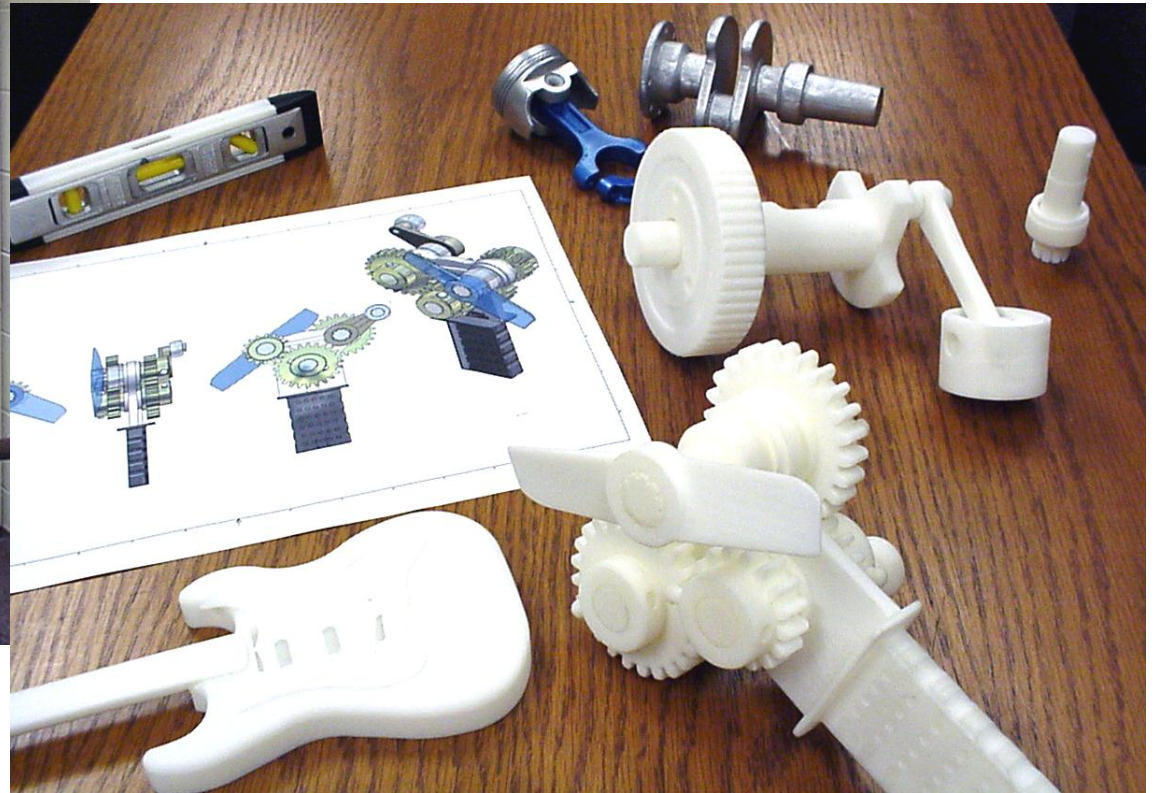
- Design Classes (MET)
 - Physics - Machine Design
 - Strength of Materials - Welding
 - Manufacturing - Electronics
 - Material Science - Fluid Power



Solid Modeling



Rapid Prototyping





Design Competitions



Human Powered Paper Vehicle Competition





Design/Engineering Techs After Graduation

- 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



Design Technology Employers in the Spokane Area

R.A. Pearson Co.

Wagstaff Engineering

Hewlett Packard

Col-Mac Coil

EZ-Loader

Johnson Matthey

Kim Hotstart

ASC Machine Tool

RAHCO Int.

Boeing

Key Tronic

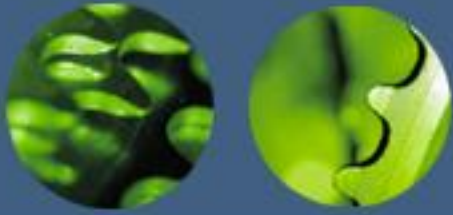
Alloy Trailers

Itron

Kaiser Aluminum

Output Technology

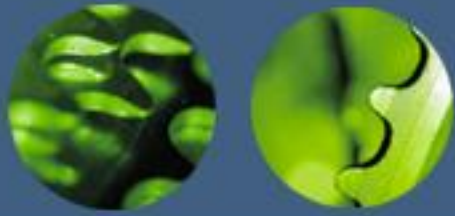
Allied Safe & Vault



Companies that manufacture automated equipment



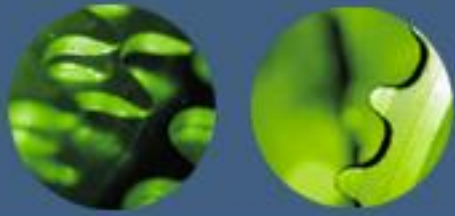
R.A. Pearson Company



Large Scale Equipment Design



RAHCO International

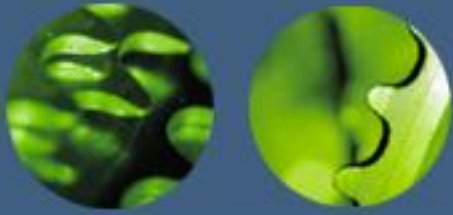


Electronics and Industrial Controls



Companies like:

Hewlett Packard, Agilent,
OTC, Telect, etc.

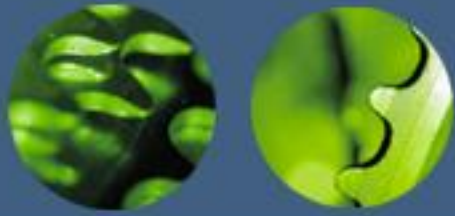


Automated Equipment

Hydraulics / Pneumatics



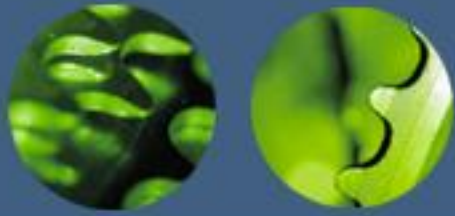
Electronics,
Robotics,
Controls



Transportation, Aviation and Related Industries

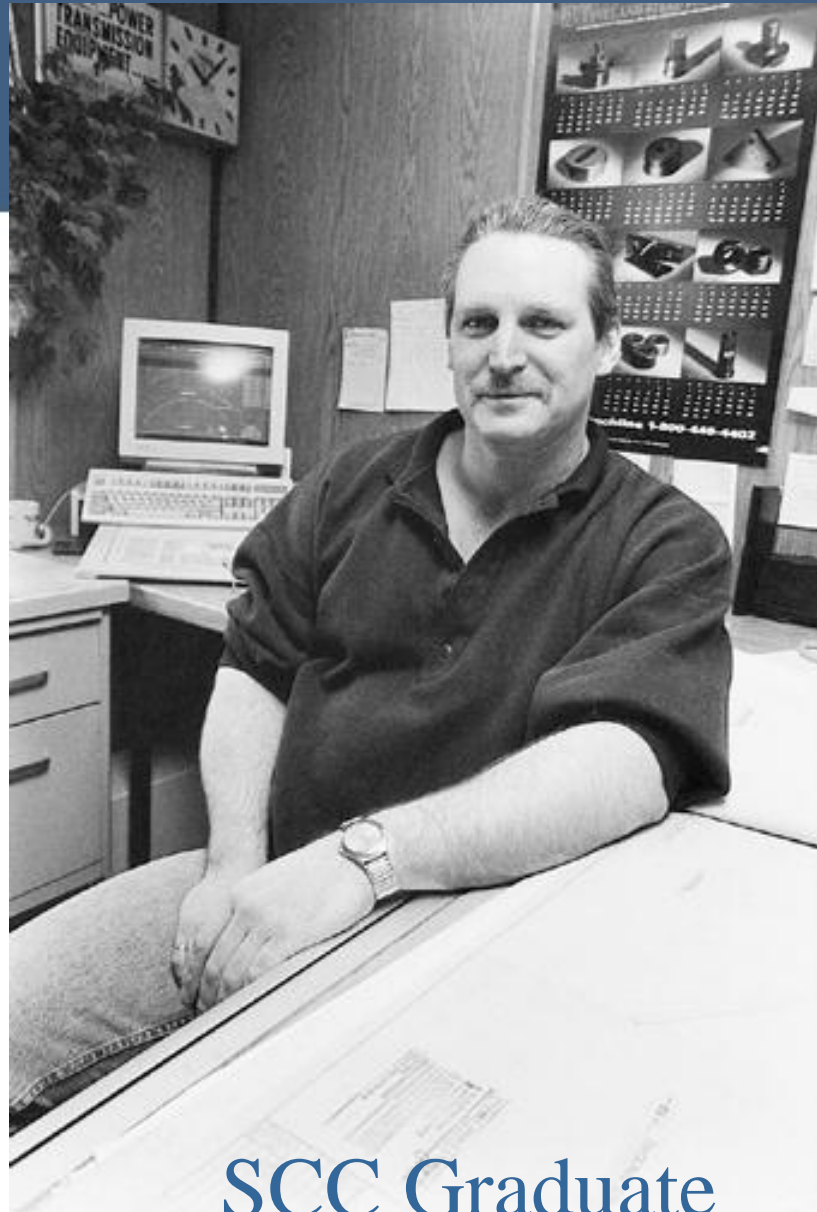


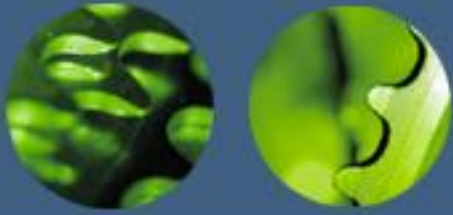
Boeing, Reliance
Trailers, Ski Lifts, Heavy
Equipment



J.J.

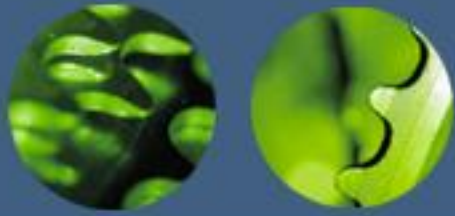
Mechanical
Engineering
Technology
Degree





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