



What Is It?

Evaluate materials and develop machinery and processes to manufacture materials for use in products that must meet specialized design and performance specifications. Develop new uses for known materials. Includes those engineers working with composite materials or specializing in one type of material, such as graphite, metal and metal alloys, ceramics and glass, plastics and polymers, and naturally occurring materials. Includes metallurgists and metallurgical engineers, ceramic engineers, and welding engineers.

What Do They Typically Do?

- Analyzing Data or Information
- Making Decisions and Solving Problems
- Getting Information

Annual Income:

- Entry Level: \$50,680
- Typical: \$95,470
- Experienced: \$102,480

Major Employers:

Manufacturing, Professional, Scientific, and Technical Services

What do I do next?

Learn about the job culture:

- Schedule at least one informational interview
- Conduct a job shadow, if possible
- Research available volunteer or intern opportunities

Prepare for training:

- Visit and call trade schools or colleges that offer a related program
- Research regional job openings at: idahoworks.gov

Explore all pathways to certification:

labor.idaho.gov/jobscape

Talk to your school counselor or advisor for more information

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Get started today!

Ask about the career & technical programs at your school or nearby technical college.

Check out Idaho Digital Learning Academy for online opportunities: idahodigitallearning.org

For tips, tools, and resources to learn how your skills and interests can translate to a rewarding career, visit the Next Steps Idaho website.