Would you make a good **Chemical Engineer**?

What Chemical Engineers Do

Chemical Engineers apply the principles of chemistry, biology, physics, and math to solve problems that involve the production or use of chemicals, fuel, drugs, food, and many other products. They design processes and equipment for large-scale manufacturing, plan and test production methods and byproduct treatments, and direct facility operations.



Education



Bachelor's degree. Some roles require higher level education at a Masters or Ph.D. level. Employers also value practical experience, therefore internships and cooperative engineering programs can be helpful.

EXPECTED SALARY RANGE

$65,000- $170,000

(median pay $105,000)

Skill Builders:

PROBLEM SOLVING SKILLS
CREATIVITY
TEAMWORK
INTERPERSONAL SKILLS
COMMUNICATIONS SKILLS
PUBLIC SPEAKING SKILLS

Job Outlook

Employment of chemical engineers is projected to grow 8 percent through 2026. The ability of engineers to stay on the forefront of newly emerging technologies such as nanotechnology, alternative energies and biotechnology, will sustain employment growth.



Get a Head Start...with these classes in middle and high school:

- **ALGEBRA**
- **CALCULUS**
- **GEOMETRY**
- **CHEMISTRY**
- **PHYSICS**
- **COMPUTER SCIENCE**

Career Opportunities:

With an education in Chemical Engineering, you could also be a:
Plant Manager, Production Engineer, Research & Development Engineer, Consultant, Petroleum Engineer, Teacher or College Professor, Technical Writer.

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Data provided are from the Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, April 2019 Edition. https://www.bls.gov/ooh/architecture-and-engineering/chemical-engineers.htm

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