



#### Job Situation

Working alone or in teams. Employed in industrial plants or laboratories requiring shift work. Working with hazardous substances and must observe appropriate safety precautions

#### Weekly Hours of Work

37.5

#### Overtime

0

#### Monthly Salary

\$4,200

#### Student Loan – Owing

0

#### Student Loan – Monthly Payment

0

#### Duties

Prepare standards and samples. Manage projects and make presentations. Analyze samples with instrumentation. Do chemical testing.

#### Prospects

Chemical, pharmaceutical and food companies. Research institutes. Government health or environmental control agencies.

#### Job Title

Chemical Technologist

#### National Occupational Classification (NOC)

2211

#### Job Description

You have now been hired by the federal government to help develop new and more efficient ways of recycling various materials. The more efficient the process, the more money the government can save and the best for the environment. It is your job to test different ways of recycling materials in order to identify the best one.

There are some types of plastic (for example) that cannot be recycled in a cost efficient manner. The material itself may be recyclable, but it is cheaper to create it from scratch than it is to reuse it. Unfortunately, we live in a world where preserving money is more important than preserving the earth. And you want to change that.

You spend your days in a lab. You use your knowledge of different chemicals to try to find the right combination that will get the job done. Your goal is to find the least expensive mix that will breakdown the plastic without ruining it. After all, the purpose of this is to reuse it.

You're new to this plant and this specific area of chemical engineering, but you have lots of experience in the general field. The other staff look up to you because of this. Many of the new engineers fresh out of university have been coming to you for help. You do an excellent job keeping them motivated and organized. Just like you used to save your parents money on their electricity bill, your goal is still to save money and help the earth.