

# Agricultural Engineer

---

## Textbook

---

# Agricultural Engineer



Agricultural engineers apply basic science and engineering principles as they design solutions to engineering problems in agricultural production. Agricultural engineers design agricultural machinery and facilities such as tractors, implements, housing, storage and handling facilities, irrigation and drainage systems, and soil conservation measures.

## What does an information technology (IT) architect do?

Agricultural engineers are hired by builders of storage facilities, farmsteads, and commercial buildings; agricultural machinery companies; irrigation and drainage system manufacturers; federal, state, and local research, regulatory, and educational agencies; manufacturers of control systems and measuring devices; consulting firms; power utilities; and alternate fuel producers.

## What is a typical day like?

Agricultural engineers work mostly in offices, but may spend time traveling to agricultural settings. Agricultural engineers typically work full time.

## What kind of training or schooling is required?

In high school, take mathematics, physics, chemistry, English, and computer science. It also helps to get involved in activities that give you experience in communicating, leading groups, solving problems, analyzing situations, and resolving conflicting views.

Most agricultural engineers have a bachelor's degree.

## Job and Salary Outlook

Average salary is \$82,640.

1500 open jobs

Job Outlook is 5%

*Information from the US Bureau of Labor Statistics*

## Common Soft Skills

To be an agricultural engineer, you should enjoy solving problems and have the ingenuity to envision new designs or solutions. You must understand physical and chemical principles well enough to apply them as you solve problems. In college, you will take courses in mathematics, physics, chemistry, communications, computer science, economics, and a wide variety of engineering sciences including heat flow, environmental engineering, water movement, fluid mechanics, instrumentation, controls, properties of agricultural materials, engineering analysis, and engineering design.

## Questions (1)

### 1. Did you read the textbook?

MULTIPLE CHOICE

Choose the correct answer:

- A. Yes
- B. No

---

## Answer Keys & Solutions

---

### Questions

---

1. Did you read the textbook?

MULTIPLE CHOICE

Correct Answer:

A. Yes

✓ Correct

B. No

✗ Incorrect