Engineering

National Science Foundation
WHERE DISCOVERIES BEGIN

My Job in the Air Force

What is Engineering

"Engineering is the science and art of applying scientific and mathematical principles, experience, judgment, and common sense to design things that benefit society."[2]
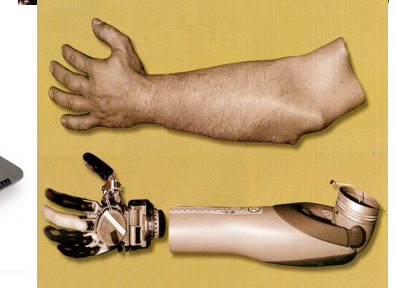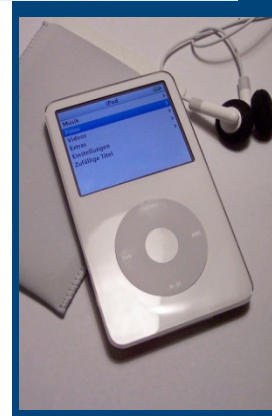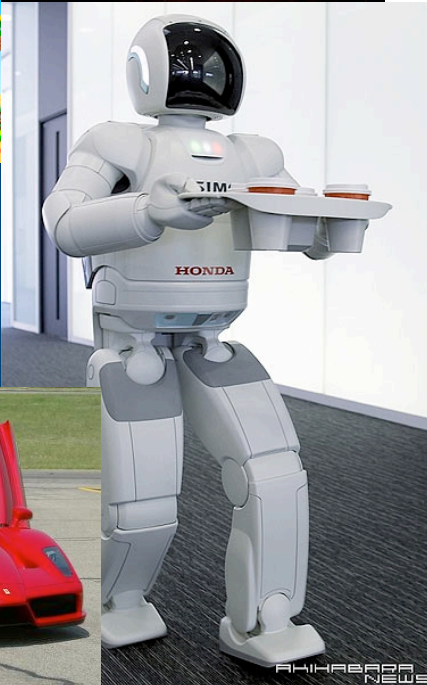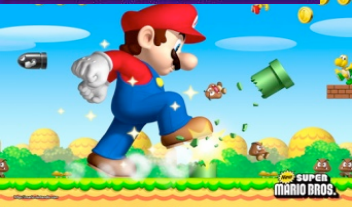

[1]

10 Reasons to be an engineer

1. Love your work, AND your life too!
2. Be Creative
3. Work with great people.
4. Solve problems, design things that matter.
5. Never be bored.
6. Make a big salary.
7. Enjoy job flexibility.
8. Travel.
9. Make a difference.
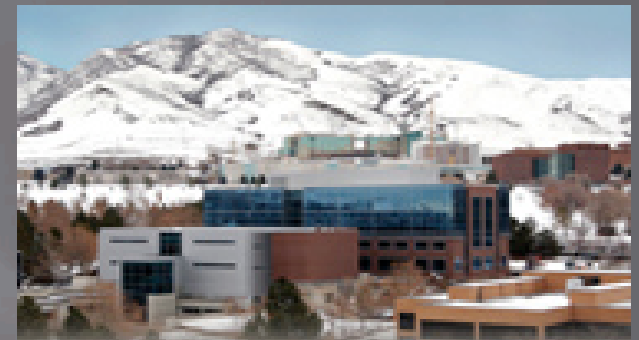10. Change the world.

http://www.engineeryourlife.org

Fun with Engineering

UTAHENGINEERING
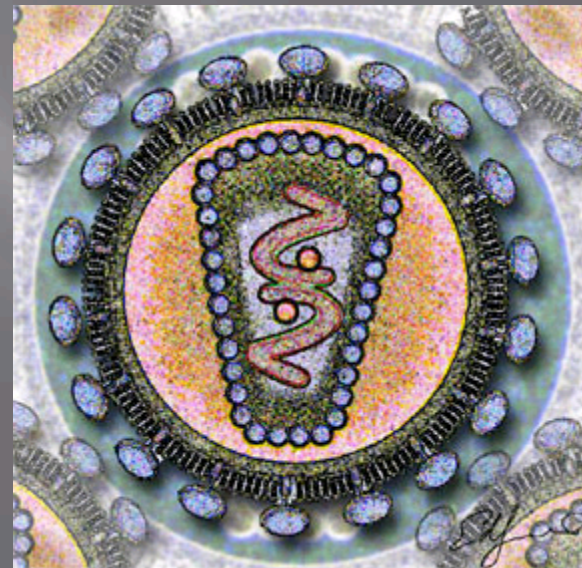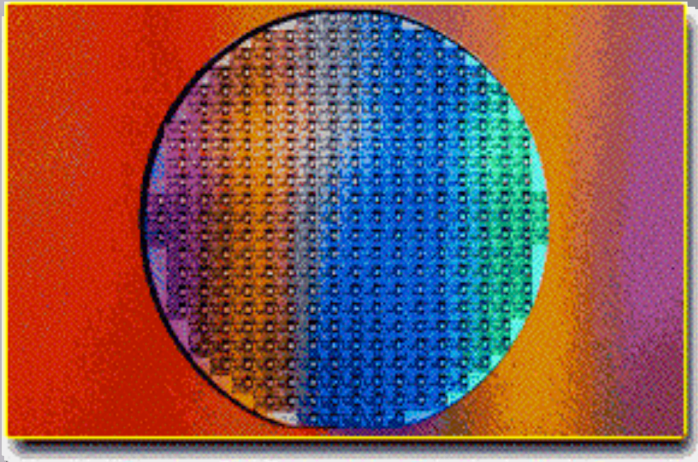## THE UNIVERSITY OF UTAH COLLEGE OF ENGINEERING
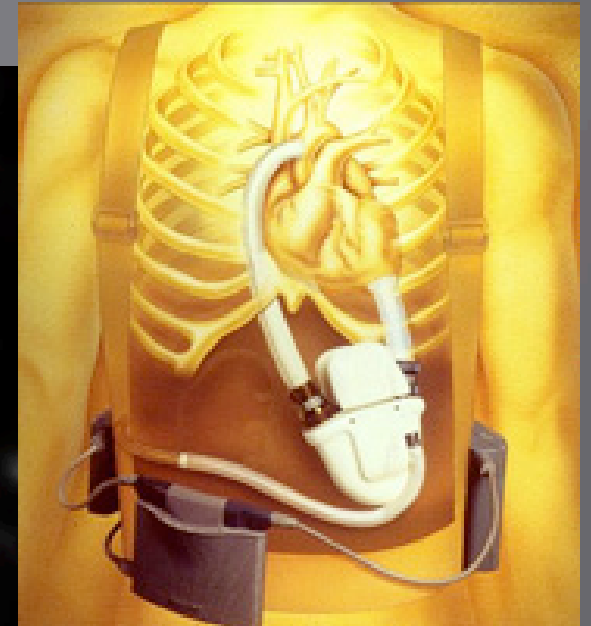
WARNOCK
ENGINEERING BUILDING

IT ALL STARTS HERE
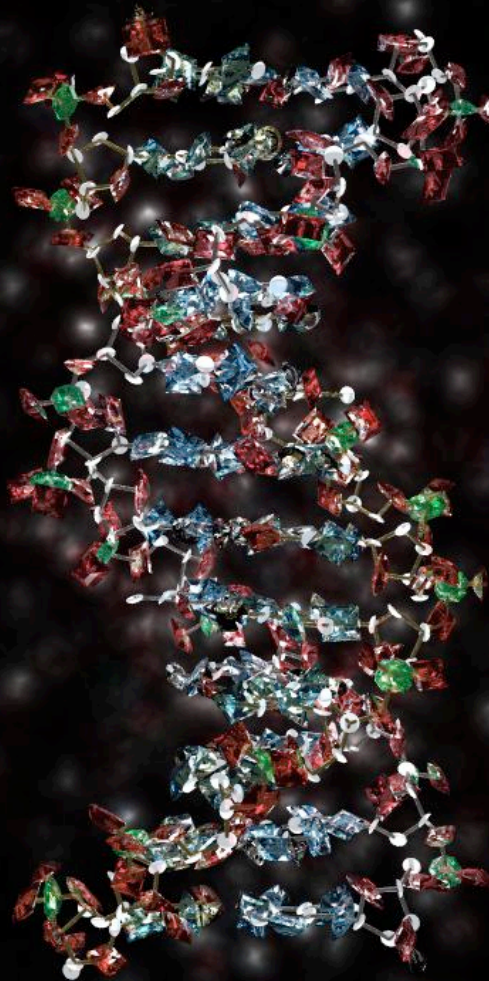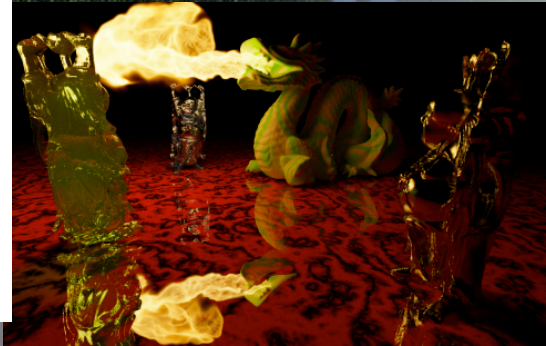
CIVIL ENGINEERING
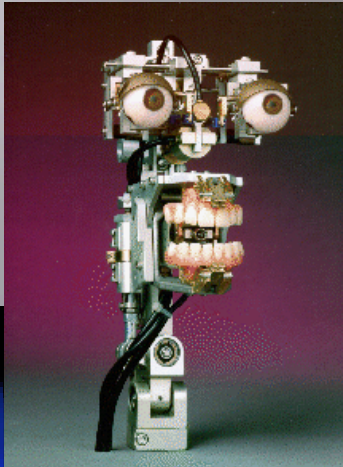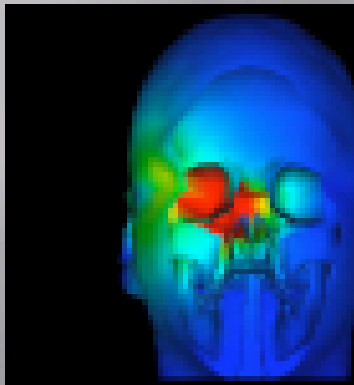
CHEMICAL ENGINEERING

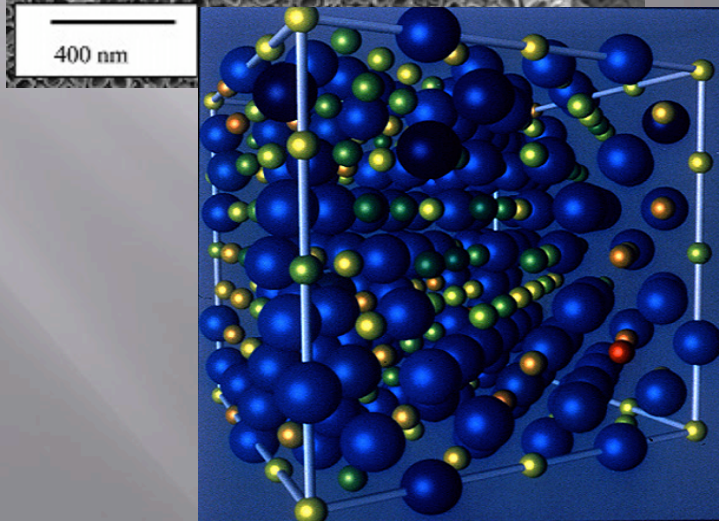Semiconductor Manufacturing

Vaccine Manufacturing
(isolated from cells)

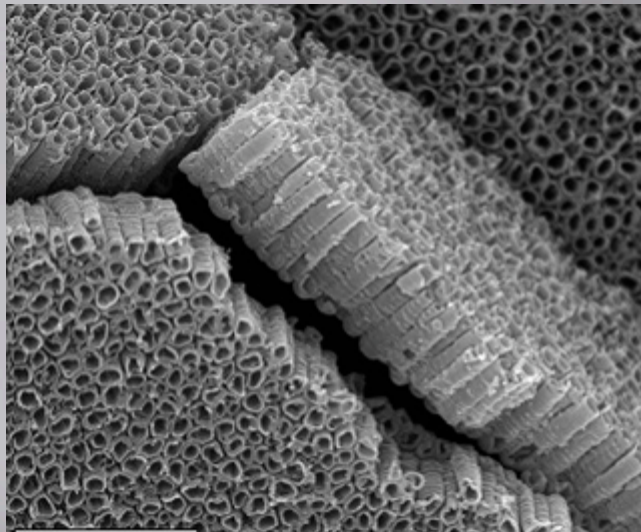# BIOMEDICAL ENGINEERING
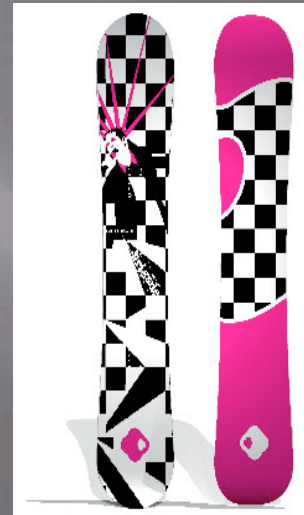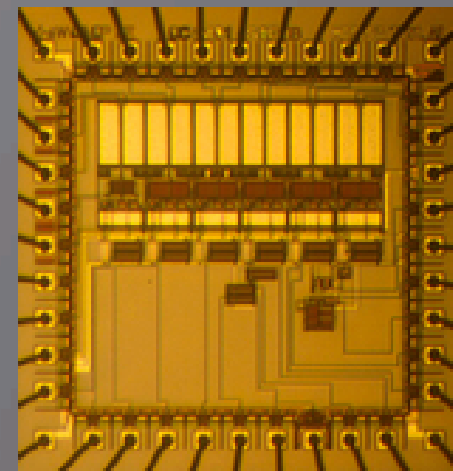
COMPUTER SCIENCE

MATERIAL SCIENCE
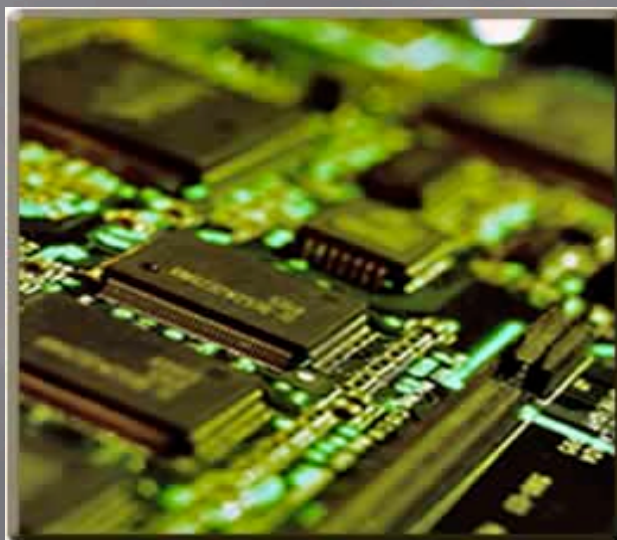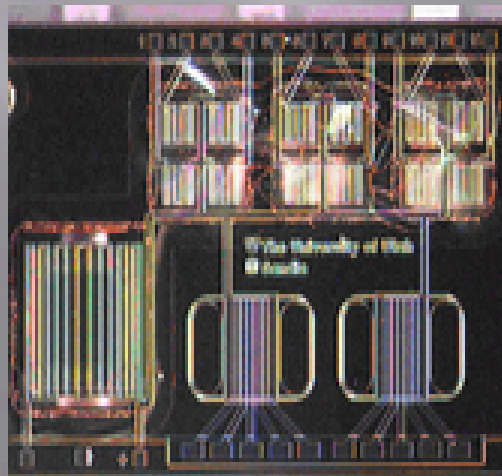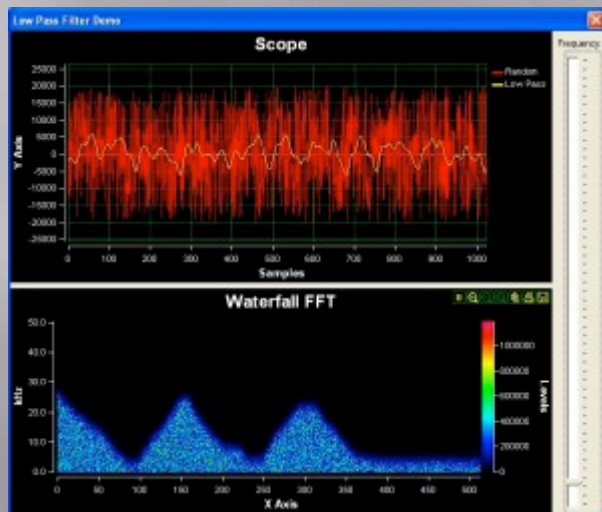

400 nm

MECHANICAL ENGINEERING

Electrical and Computer Engineering

Fields of Electrical Engineering

Signal Processing

Communications

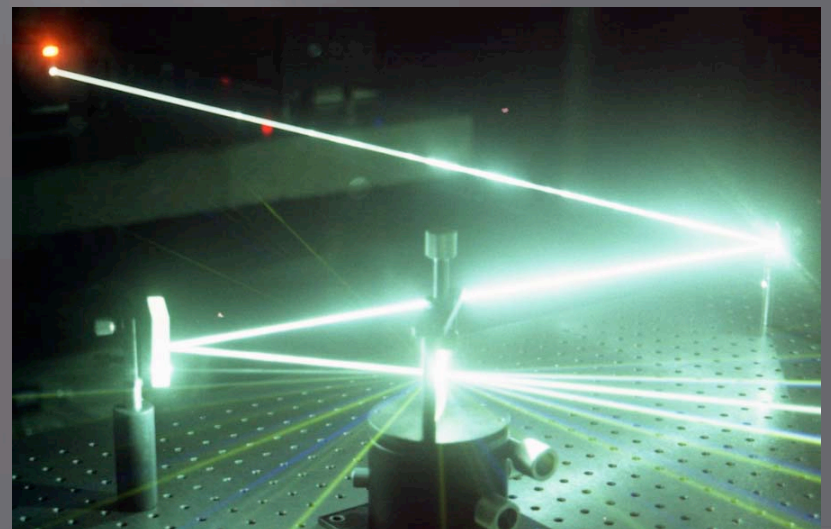# Fields of Electrical Engineering

Control Systems

HERITAGE FLIGHT/F-16 WEST   ©ERIK HILDEBRANDT

Fields of Electrical Engineering
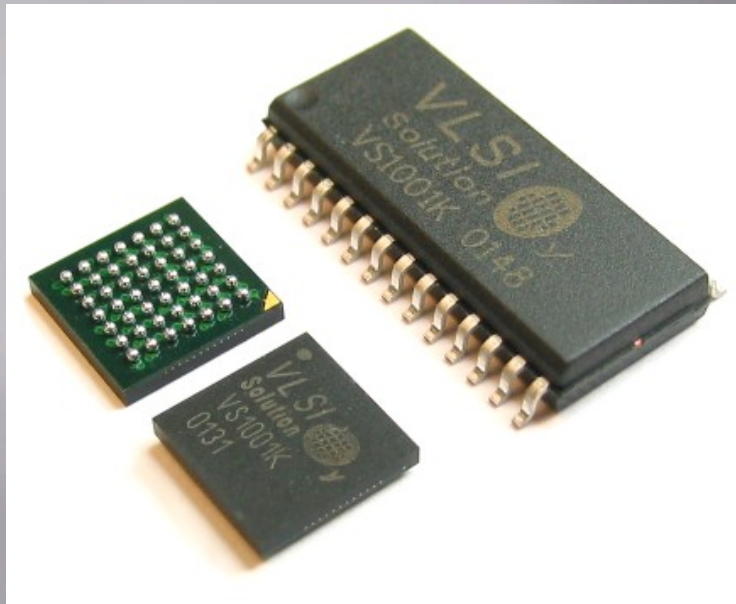
Microwaves and Electromagnetics

Optics

Fields of Electrical Engineering
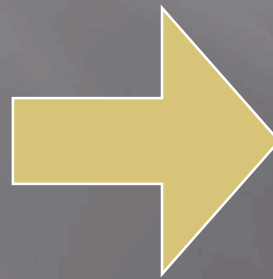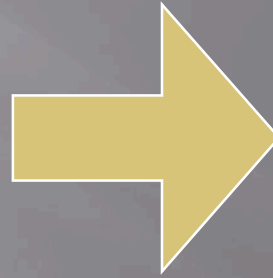
Very Large Scale Integrated System Design

Microfab Lab

Earnings

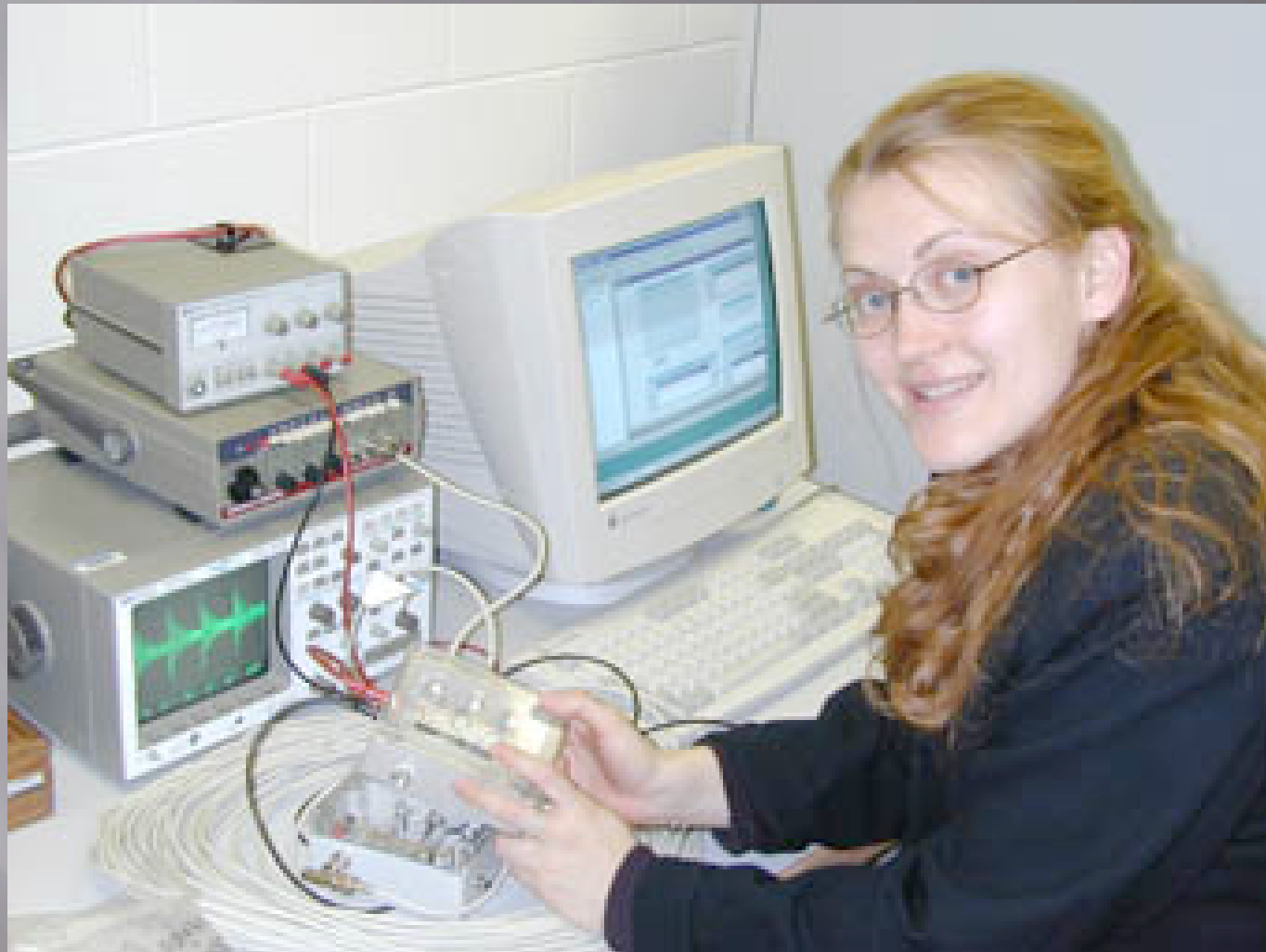| Curriculum	Bachelor Degree Hourly wage
Bioengineering	$24.25
Chemical	$26.90
Civil	$21.84
Computer Science	$26.23
Electrical and Computer	$25.94
Materials Science	$25.49
Mechanical	$25.11

Table 1: Engineering Salaries [1]

Corporations Founded by
U of U Graduates
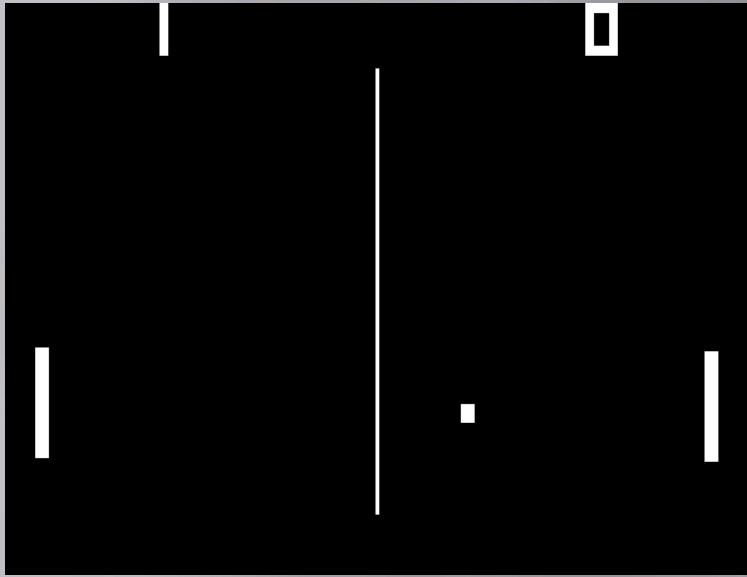
YOU

Engineers work with smart, inspiring people to invent things that improve the world!