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Come Prepare for Your Future

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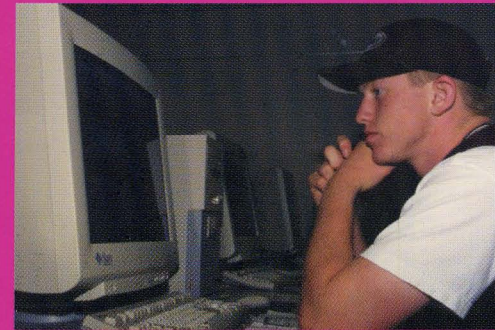
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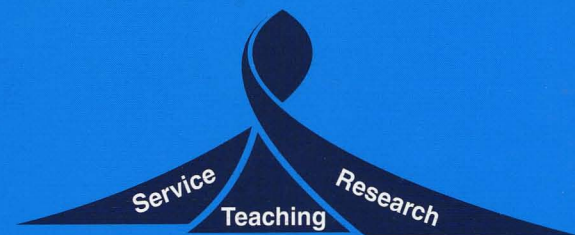
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Utah State
UNIVERSITY



"Come Prepare for Your Future"



College of Engineering

Engineers Help People....

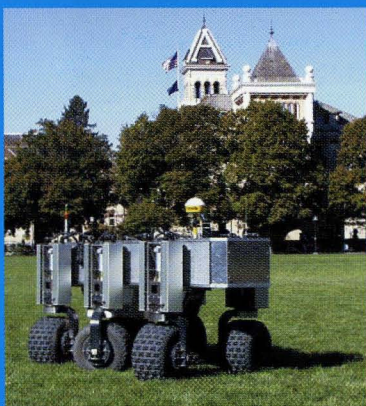
What is an Engineer?

An engineer is an innovator who applies math, science, and other disciplines to solve problems—thus helping people.

What do Engineers do?

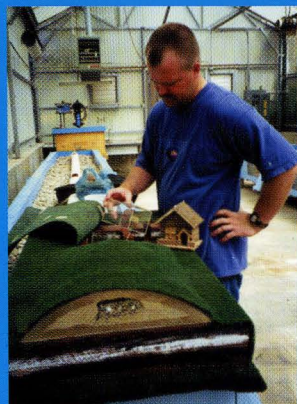
Engineers are involved in nearly every facet of our lives. A world without engineers is a world without computers, television, radio, hairdryers, washing machines, traffic lights, subways, safe water, the list is endless. Take a look at some of the things our student engineers do.

Design & Build Robots



Our Mechanical and Electrical students have created unmanned robots that explore the surface of Mars, find hazardous wastes in old bunkers, and fertilize huge agricultural farms without an operator.

Keep Water Safe & Clean



This Civil and Environmental student has designed a mound-septic system that is nearly invisible, yet it will keep contaminants from the watershed.

Plan Cities



This Geographic Information System (GIS) map shows the Layton, Utah area. The large white cross located at the right middle is a shopping mall. Our engineers use these maps for planning purposes.

Build Satellites



Our Electrical and Computer students are building our own constellation of satellites to send and receive data from space.

Construct & Test Models of Structures



These Industrial Technology students are soldering their tower models together to test their strength in a crushing machine.

Increase Food Production



Our Biological and Irrigation Engineers have helped more than 80 countries improve irrigation techniques and increase crop production to feed millions of people.

Produce More Healthful Plants



This Biological student is developing ways to help plants produce vital compounds that are made into herbal supplements and vitamins for improved health.

And Make the World a Better Place...

Build Everything From Baja Buggies to Space Instruments



Every year our Engineering students design baja (dune) buggies, model airplanes, concrete canoes, and steel bridges and enter them in national competitions against other universities.

Design, Fly, & Maintain Aircraft



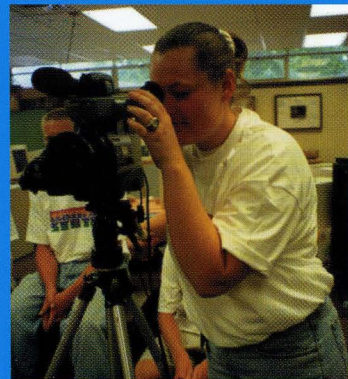
We offer training for student pilots, mechanics, and technicians in our Industrial Technology and Education Department. Come take to the sky!

Find Faster Ways to Produce Products



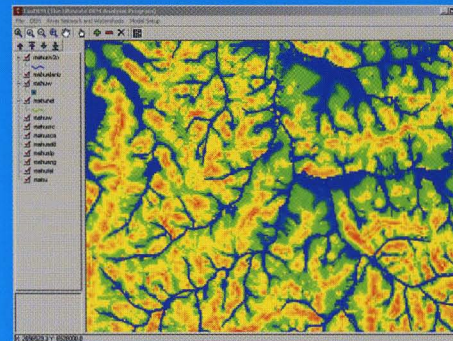
Our Mechanical Engineers work with local manufacturers to speed up production processes or design new, more efficient equipment.

Become a Technology Education Teacher



Many of our students become Technology Education teachers in middle or high schools.

Create Computer Models



Engineers use computer models of watersheds to plan for critical water needs of communities.

Make Stronger Walls & Bridges

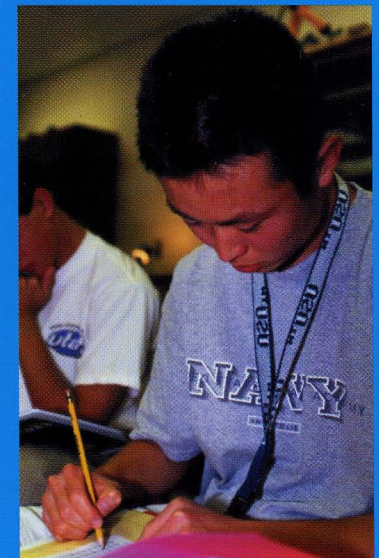


These Civil and Environmental students are learning the concepts behind creating stronger retaining walls for all types of structures.

How do I prepare to be an Engineer?

One of the best ways to prepare to be an engineer is to take the following courses in high school: Algebra, Geometry, Calculus, Biology, Chemistry, and Physics.

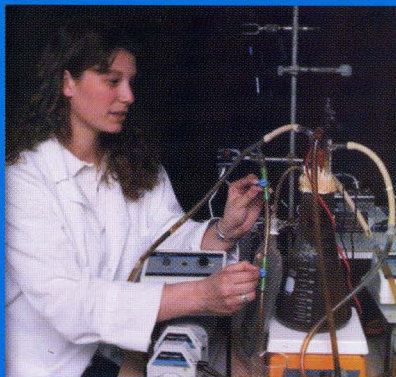
We also invite high school juniors to attend a fun and informative, four-day summer session of Engineering State. You'll stay on campus, learn about the engineering profession, and interact with students from many other schools. Visit our website at www.engineering.usu.edu/estate/index.html.



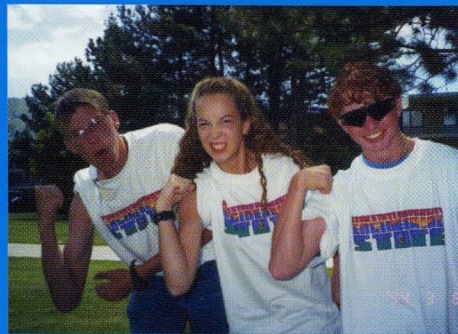
Why Choose USU Engineering?

We are Student-Focused

- 96% of our students pass the National Fundamentals of Engineering Exam on the first try (national average is 55%).
- Our students place high in regional/national competitions such as the model airplane, concrete canoe, steel bridge, and mini-baja competitions.
- Our students are recruited by multi-national firms. Many have close ties to USU Engineering and regularly hire from our students.
- Our students have launched more experiments on space shuttle and rocket flights than any other university.
- Our Student Services offers comprehensive tutoring, mentoring, and advising assistance.



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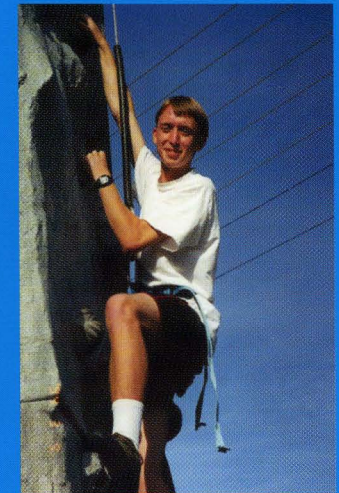
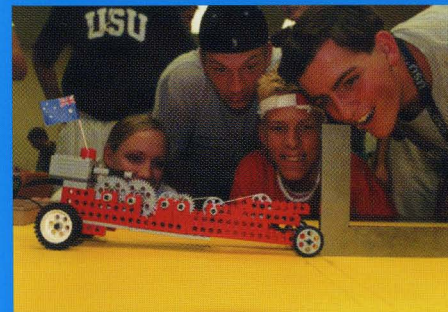


We are the Right Size/Value

- USU was selected as one of "America's 100 Best College Buys" by an independent consulting organization from a pool of 1,216 schools.
- We have one of the lowest tuition rates of any top-ranked doctoral research institution.
- USU provides a down-home atmosphere that allows personal interaction with instructors, in a nationally-recognized university.
- We have approximately 1,860 engineering students: 1,580 undergraduates and 280 graduates. Our student to faculty ratio is 13.8 to 1.
- According to alumni surveys, nearly 100% of last year's USU graduates were satisfied or very satisfied with the quality of their education.

We have Faculty Expertise

- Our Engineering faculty brings in \$50 million annually in research and development; these funds provide job opportunities for students to work directly with faculty experts.
- We have 78 faculty members in five academic departments and 20 different research centers.
- All of our classes are taught by faculty members, not assistants.
- All of our Engineering degrees are accredited by the Accreditation Board for Engineering and Technology. This means your degree is recognized in the professional arena.
- Our new Engineering Building will provide state-of-the-art laboratories, classrooms, and equipment.



We have an Excellent Community & Environment

- USU has a beautiful campus and a student-friendly environment that emphasizes education and personal growth.
- Logan has a low crime rate. Our on-campus police force is responsive to student needs and endeavors to maintain a safe campus environment.
- We are minutes from majestic Logan Canyon that offers opportunities for skiing, mountain biking, horseback riding, snowmobiling, boating, and hiking. We are only a few hours away from all the great national parks and recreation areas of the West.



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Note to Parents

Our students say one of the main reasons they chose USU is the positive atmosphere that surrounds both the school and the community. They comment that USU offers the opportunity "to be their own person" and make their own decisions while being part of a group of students that shares common values and ideals. As a college, we are committed not only to teaching good engineering principles, but teaching good living principles as well.

Engineering Departments: please contact us...

College of Engineering Dean's Office: 4100 Old Main Hill, Logan, UT 84322-4100, 435-797-2775, or <http://www.engineering.usu.edu>

Biological & Irrigation Engineering: BIE Dept., 4105 Main Hill, Logan, UT 84322-4105, 435-797-2785, or visit <http://www.engineering.usu.edu/bie>

Civil & Environmental Engineering: CEE Dept., 4110 Old Main Hill, Logan, UT 84322-4110, 435-797-2933, visit <http://www.engineering.usu.edu/cee>

Electrical & Computer Engineering: ECE Dept., 4120 Old Main Hill, Logan, UT 84322-4120, 435-797-2844, or visit <http://www.engineering.usu.edu/ece>

Industrial Technology & Education: ITE Dept., 6000 Old Main Hill, Logan, UT 84322-6000, 435-797-1795, or visit <http://www.engineering.usu.edu/ite>

Mechanical & Aerospace Engineering: MAE Dept., 4130 Old Main Hill, Logan, UT 84322-4130, 435-797-2861, or visit <http://www.engineering.usu.edu/mae>

Engineering Advising/Student Services: 4100 Old Main Hill, Logan, UT 84322-4100, 435-797-2705, or visit <http://www.engineering.usu.edu/advising/index.html>