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March 2010

## Think..Discovery

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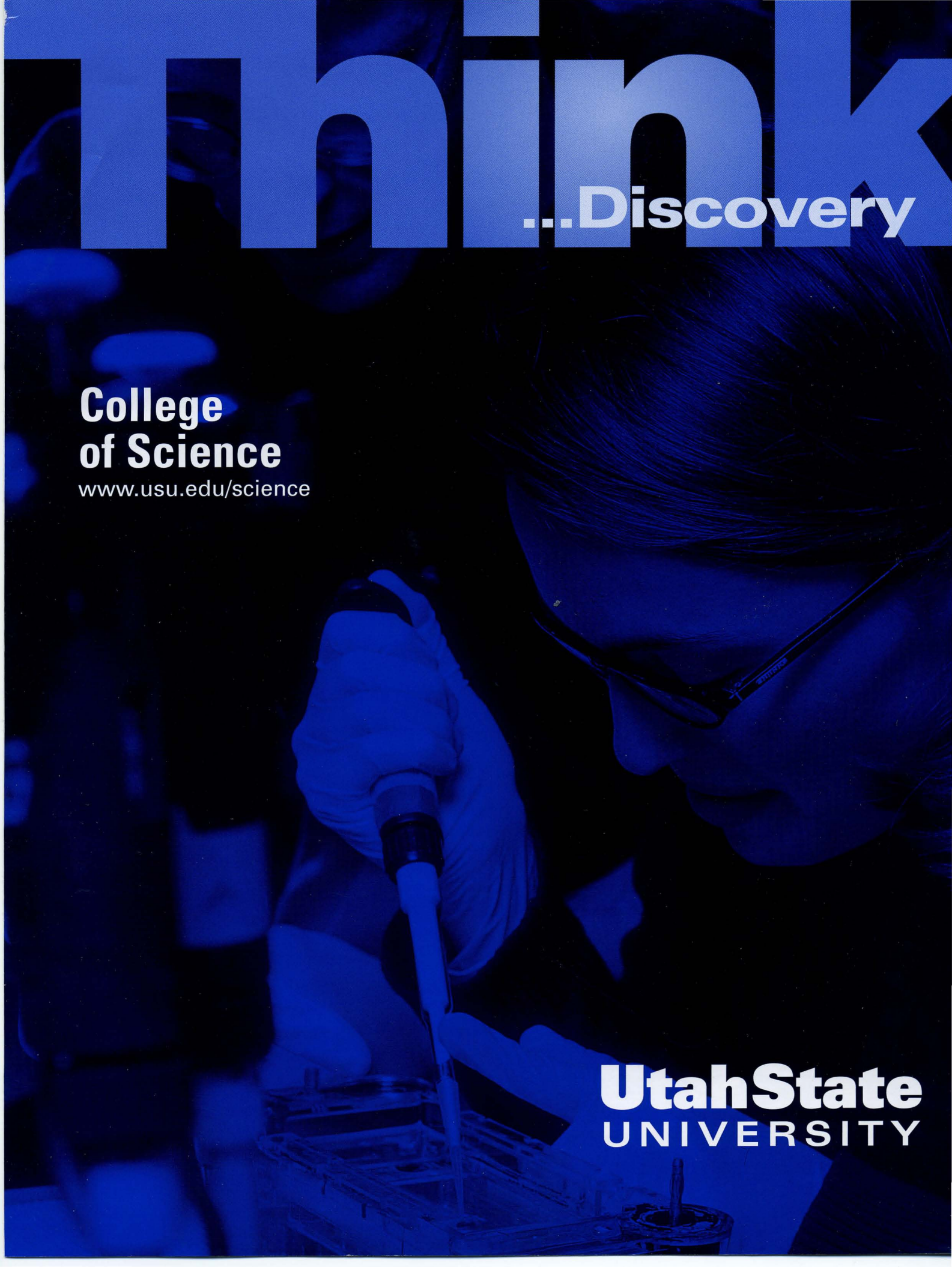
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# Think

...Discovery

**College  
of Science**

[www.usu.edu/science](http://www.usu.edu/science)

**Utah State**  
UNIVERSITY



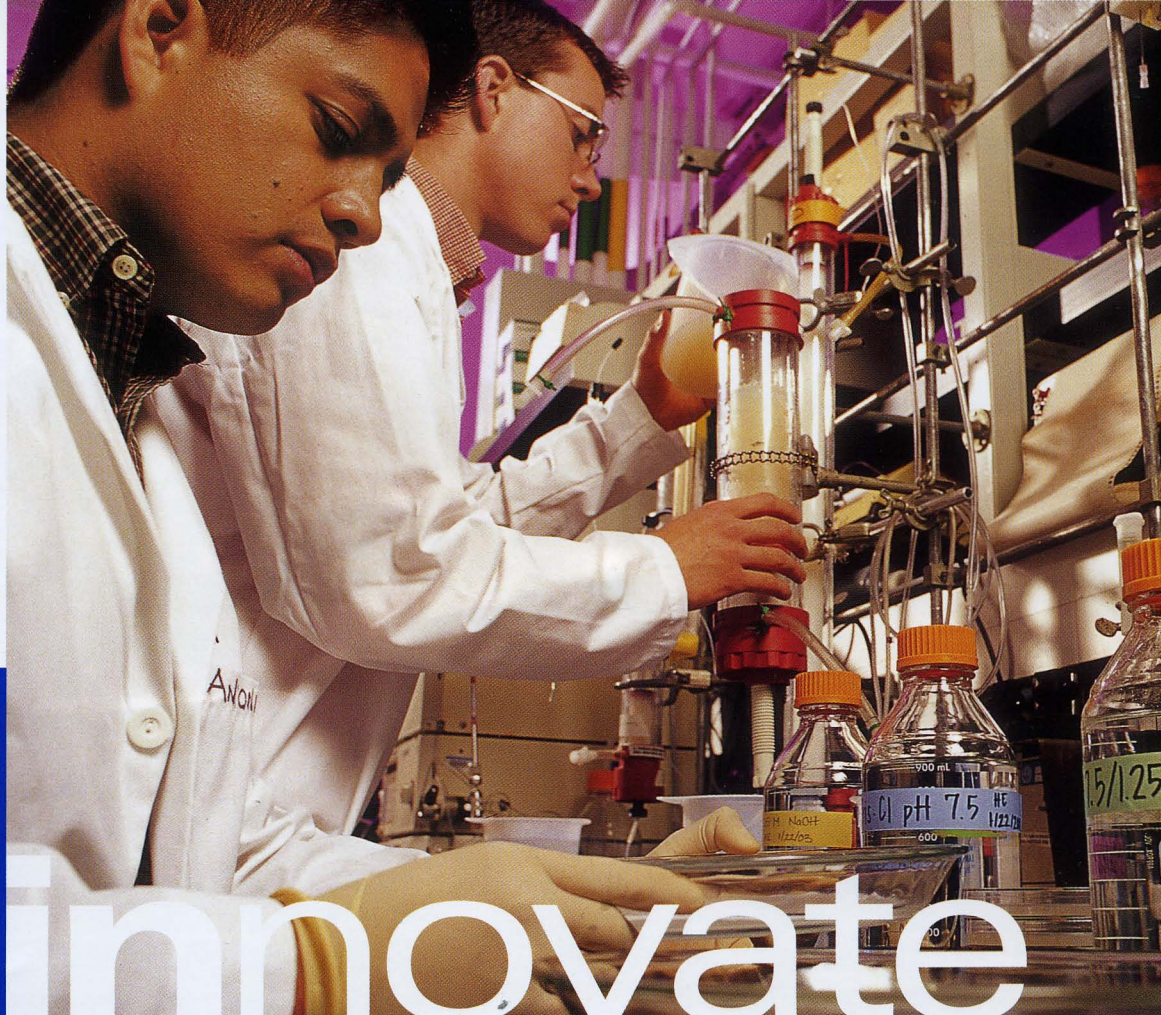
College of Science  
**Utah State University**

0305 Old Main Hill  
Logan, UT 84322  
www.usu.edu/science  
(435) 797-2478  
science.info@usu.edu

**Think Utah State University**  
www.usu.edu

*"Even though Utah State is a Carnegie I research institution, it's retained a small-school character that really connects faculty and students. The professors here enjoy teaching and are committed to student research. In fact, 40% of biology students complete a research project. It creates an environment where undergraduates can work with senior scientists and really learn the mechanisms of doing research—they get to experience what it means to discover something."*

—**Daryll DeWald**,  
associate professor  
of biology



## **"Prove it."**

Haven't heard that statement since you were on the grade-school playground? Well, get ready to hear it again. For the students and professors in Utah State's College of Science, it's the spirited challenge to discover that enlivens classrooms and labs with intellectual curiosity and inspires our students and faculty to create new knowledge for the betterment of humankind. Within our halls, you'll find:

**Choices.** Pursue a bachelor of science or a bachelor of arts. Take on a dual major. With help from your advisor, mix and match minors or add an emphasis to create a program that's uniquely yours. In the College of Science, the options are endless. The goal is to earn a degree that will take you exactly where you want to be.

**Individual attention.** A hallmark of the College of Science is the personal treatment its students receive from faculty and staff. Small classes mean that professors can get to know their students by name. And a strong advising system—with faculty mentors, peer advisors, and full-time professional counselors—gives students the guidance and support they need as they navigate their classes, their majors, and eventually, their careers.

**State-of-the-art facilities:** The brand-new Widtsoe Chemistry Building and Eccles Science Learning Center are among the most modern facilities of their kind. They feature the latest in classroom and laboratory technology, including wireless Internet access at every seat in the lecture halls and in the 500-seat Emert auditorium.





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## Just call us "Utah Space University"

That's NASA's nickname for the university, and there's no question how we got it: Utah State has put more student-designed experiments into space than any other university in the world. The university's Get-Away Special team is one of the premier undergraduate space programs in the nation, with students working directly with NASA to conceive, design, and build experiments that will fly on the Space Shuttle. They're currently hard at work on their 12th "payload," as each experiment is called. Find out more about the team and its projects at [gas.physics.usu.edu](http://gas.physics.usu.edu).

### Yes! Tell me more about Utah State University! *please print*

Date \_\_\_\_\_

Last Name \_\_\_\_\_

First Name \_\_\_\_\_

Middle Name \_\_\_\_\_

Street Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Postal Code \_\_\_\_\_

Area Code/Phone Number \_\_\_\_\_

Country \_\_\_\_\_

Date of Birth (MM/DD/YY) \_\_\_\_\_

U.S. Citizen ☐ Yes ☐ No

Gender ☐ male ☐ female

**Ethnic Origin optional (please check one)**

☐ African American or Black ☐ Native American or Alaskan native ☐ White/Caucasian ☐ Hispanic/Latin American

☐ Asian-American or Pacific Islander ☐ Other

E-Mail Address \_\_\_\_\_

I will be coming to USU as a ☐ New Student (Freshman) ☐ Transfer Utah Resident? ☐ Yes ☐ No

Approx. Cumulative GPA \_\_\_\_\_ ACT or SAT Composite Score \_\_\_\_\_ Number of Transfer Credits \_\_\_\_\_

Expected Date of Attendance \_\_\_\_\_ Areas of Academic Interest \_\_\_\_\_

School Presently Attending \_\_\_\_\_ Graduation Date \_\_\_\_\_

To fill out this form online, go to [www.usu.edu/admissions](http://www.usu.edu/admissions)

SC

Students while conducting research in cutting edge areas like genomics and bioinformatics.



*"Utah State has offered me so much more than other universities would have. I've been working in the research lab since I was a freshman, which is unheard of in many schools. I took a grant-writing workshop on campus and ended up getting a research grant of \$500, which was matched by my department. Later, I presented my research to legislators on Capitol Hill."*

*"As an undergraduate, I'm doing master's level work—one-on-one with my professor in a research lab. It's what education should be about."*

—**Stephanie Chambers**, biology major from Providence, Utah





**Quick Fact:** Over the past 10 years, more than 90% of job-hunting science majors were employed within a year of graduation.

#### A sampling of employers of recent Utah State science graduates

ATK Thiokol Propulsion  
Boeing  
DuPont Holographics  
Exxon Mobil  
Flying J  
Hewlett Packard  
Hyclone  
IBM  
L-3 Communications  
Micron  
Microsoft  
Myriad Genetics  
U.S. Geological Survey  
U.S.D.A. Forest Service

#### Some of the graduate schools attended by Utah State science alumni

Cornell University  
Duke University  
George Washington University  
Iowa State University  
Johns Hopkins University  
Oregon Health Sciences University  
Penn State University  
Rice University  
Stanford University  
University of California, Berkeley  
University of Michigan  
University of Nebraska  
University of North Carolina  
University of Texas  
University of Utah  
University of Washington

## Where Will You Go?

With job opportunities in the science fields projected to grow by up to 20% by 2010, a science degree from Utah State University is a wise investment. Even better news is that Utah State graduates are already proving their success. The statistics speak for themselves:

- The average starting salary for Utah State science graduates is \$36,980.
- The university's medical school acceptance rate is 15% higher than the national average, and dental school acceptance is 25% higher.
- Utah State graduates approximately 75% of Utah's math teachers through its NCATE-certified teacher training program.

### DEPARTMENTS AND MAJORS

#### Department of Biology:

[www.biology.usu.edu](http://www.biology.usu.edu)

B.S. and B.A. in Biology  
*Emphases in Biology, Cellular/Molecular, Ecology/Biodiversity, and Environmental Biology*

B.S. in Public Health  
*Emphases in Environmental Health, Industrial Hygiene, and Public Health Education*

B.S. and B.A. in Composite Teaching—Biological Sciences

Minors: Biology, Biomathematics, and Public Health

#### Department of Chemistry and Biochemistry:

[www.chem.usu.edu](http://www.chem.usu.edu)

B.S. and B.A. in Chemistry  
*Emphases in Biochemistry, Chemical Education, Life Science, and Professional Chemistry*

B.S. and B.A. in Chemistry Teaching

B.S. and B.A. in Composite Teaching—Physical Sciences

Minors: Chemistry and Chemistry Teaching

#### Department of Computer Science:

[www.cs.usu.edu](http://www.cs.usu.edu)

B.S. and B.A. in Computer Science  
*Emphases in Bioinformatics, Digital Systems, Information Systems, Information Technology, and Science*

Minor: Computer Science

#### Department of Geology:

[www.usu.edu/geoldept](http://www.usu.edu/geoldept)

B.S. and B.A. in Geology  
*Emphases in General Geology, Geoarchaeology, Hydrogeology/Engineering Geology*

B.S. and B.A. in Composite Teaching—Earth Science

Minor: Geology

#### Department of Mathematics and Statistics:

[www.math.usu.edu](http://www.math.usu.edu)

B.S. and B.A. in Mathematics  
*Emphases in Actuarial Science and Computational Mathematics*

B.S. and B.A. in Mathematics Education

B.S. and B.A. in Statistics

*Emphasis in Actuarial Science*

B.S. and B.A. in Composite Teaching—Mathematics & Statistics

Dual Majors with Computer Science, Electrical Engineering, Physics, and Statistics

Minors: Biomathematics, Mathematics, Mathematics Education, and Statistics

#### Department of Physics:

[www.physics.usu.edu](http://www.physics.usu.edu)

B.S. and B.A. in Physics  
*Emphases in Applied Physics and Professional Physics*

B.S. and B.A. in Physics Teaching

B.S. and B.A. in Composite Teaching—Physical Science

Dual Major with Mathematics

Minors: Physics and Physics Teaching

#### Premedical, Predental, and Prehealth Professions Program

*When students and faculty learn together, discovery follows.*

### Live, Eat, and Breathe Science—Literally!

College is more than a classroom. It's a lifestyle! At Utah State, you can choose to live in special sections of the residence halls that are reserved for students who are interested in the sciences.

In these halls, you'll meet students from diverse backgrounds who share your same interests. Organizing a study group has never been easier! Each floor has a live-in peer mentor who's familiar with campus life and your academic program, and you'll also be able to participate in informal socials, field trips, and special

programs with faculty members. Located on South Campus near key academic buildings, the following communities are sponsored by the College of Science and its departments:

#### Computer Science

This community features:

- Computers and a textbook library in the community lounge
- Programming and gaming competitions
- Field trips to cutting-edge campus labs such as the Center for Self-Organizing Intelligent Systems (CSOIS)

- Regular on-site meetings of the computer science honor society

#### Habitat for Biologists

This community features:

- "Meet the Faculty" dinners
- Field trips to collect mushrooms, watch birds, and find insects
- Tours of campus labs where you'll learn about biological research at Utah State
- Special workshops where you'll create educational experiments to be used at the university's on-site elementary laboratory school