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The Utah Statesman

2000-01 Orientation Issue



Old Main, as viewed as a reflection on the Eccles Conference Center, is home for much of USU's administration, as well as departments within the College of Humanities, Arts and Social Sciences..

THE UTAH STATESMAN FALL 101

This Special pull-out section of *The Utah Statesman* contains what you need to know to succeed at Utah State University! Keep it all year long. Material in this section was provided by the highlighted departments.

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Bounce-along bikes

A local mountain trail affords two USU students some competition during a weekend bike race.

Women's Studies: 'Well-Behaved Women Rarely Make History'

Do you recognize these names? Dorothy Arzner. Ida Lupino. Barbara McClintock. Barbara Jordan. Madeline Albright. Katharine Graham. Julie Dash. Laurel Thatcher Ulrich. If you don't, you should.

Each woman, in her own way, rejected the societal norm of the "well behaved" woman and made significant contributions to American culture and society. Dorothy Arzner was the only woman film director in Hollywood until the 1940s, and screen star Ida Lupino was the only woman directing Hollywood films from the 1940s-1970s. Barbara McClintock demonstrated that DNA structure could be rearranged and

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Rangeland Resources

reprogrammed, a discovery that forms the basis for current genetic research. Barbara Jordan was the first African American woman elected to Congress. Madeline Albright is the first U.S. Secretary of State. Katherine Graham publishes the Washington Post. Julie Dash is one of a few African American film directors and her first full length feature — "Daughters of the Dust" — received international acclaim. And Laurel Thatcher Ulrich is a renowned Mormon author and feminist who said, "Well behaved women rarely make history."

The accomplishments of these

CONTINUED ON PAGE 7

The New ORC 'Hippest Way to Get Outdoors'

In Cache Valley there are many opportunities to explore and visit some of the best outdoor terrain in the world. The Utah State Outdoor Recreation Center offers many different options to get involved in

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Outdoor Programs

outdoor recreation or just get outside and see some of beauty surrounding us. To make access easier for students we have renovated the ORC and we are carrying all new gear. Our newly stocked rental shop is open Monday through Friday from 10 a.m.-6 p.m. We have tons of brand new equipment including Osprey Backpacks, Necky Kayaks, Tula telemark Skis, Old Town Canoes and Sierra Design Tents. We will be dazzling students with our new equipment on the Quad during the Week of Welcome, including a water tank for an outdoor kayak roll session. The ORC offers the opportunity for students to learn responsible outdoor leadership skills and become more employable through the Outdoor Leadership Program. This program is a progressive hands-on learning opportunity for students. Students will start the program as a "level one" leader and throughout their stay at Utah State have the opportunity to progress to a "level four" qualification. A "level four" student is a qualified outdoor leader, knowledgeable in outdoor ethics and employable in many areas of outdoor recreation.

access easier

We also provide an opportunity for students to get involved in outdoor service projects. These projects allow students to increase their sense of awareness and pride in the land surrounding Utah State. We will be continuing our trail maintenance, wilderness patrols and canyon clean-up projects while adding new projects as the year progresses.

Entertainment and a chance to get to know others involved in outdoor recreation is another important aspect of the ORC. We will continue offering slide shows and outdoor skills workshops/lectures during the school year. When the middle of the year rolls around we welcome the Banff Mountain Film Festival to town. This year's will be on February 14 and 15. The festival celebrates international mountain culture, gives us a break from school and the chance to watch some great mountain films.

When school gets to be overwhelming the ORC has a solution, it's the Yurt. The Yurt is a skier's getaway. It is situated four miles up the Blind Hollow trail in Logan Canyon. It offers excellent backcountry skiing, snowshoeing and the priceless chance to spend time in mountain solace. The Yurt is rented and maintained through the ORC.

We have a helpful and friendly staff ready to answer any questions. Call us at 797-3264 or visit our homepage at www.usu.edu/~orc. See you in the mountains!

Music has options for novice, advanced students

The Music Department is located in the Chase Fine Arts Center (FAC) at the east end of campus. If you are looking for an interesting class in music that would also fill the University Studies Breadth

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Music

Requirements, we recommend: Introduction to Music-MUSC 1010. web-based or radio, (Dr. Warren

Burton) or Civilization: Creative Arts-USU 1330 (Dr. Michael Ballam); OR for Depth Requirements-Masterpieces of Music-MUSC 3010 (Dr. James Drake) or History of Jazz-MUSC 3020 (Dr. Larry Smith).

Do you sing? If you'd like to sing in a group, try Women's Choir-MUSC 2600; or if you prefer a mixed choir, audition for the University Chorale-MUSC 4600, or Choral Society-MUSC 2610 (Dr. Will Kesling).

Do you play a musical instrument? There are several groups in the Music Department. Try Symphony Orchestra-

MUSC 3500 (Prof. Brant Bayless); Symphonic Band-MUSC-2720 (Dr. Nicholas Morrison); Wind Orchestra-MUSC 4700 (Dr. Thomas Rohrer); or Jazz Ensemble-MUSC 3760 (Dr. Larry Smith).

Private instruction is offered on all instruments including voice and piano. Contact the instructor listed in the class schedule for more information.

Students are admitted free to all student and faculty performances with a valid Student ID Card. Each semester a wide variety of concerts are offered ranging from classical to jazz styles and performance schedules are available in the Music Department Student Services office (FA 102). In addition, students receive discounts for the Chamber Music Society of Logan Performance Series which features internationally acclaimed artists --first performance is October 1.

The Music Department offers a variety of classes and services for every individual background and need. Call 797-3015 or visit us in FA 102 for additional information.

Save on long distance calls with USULD

Do you live on campus? Do you make long distance phone calls? Would you like to save over 40% over standard AT&T direct dialed rates on your daytime telephone calls? Then we would like to invite you to join Utah State University Long Distance, or more commonly known as USULD. USULD is a long distance calling service offered by USU Telecommunications and Telephone Services for students living in on-campus housing. The service is easy to use, and the rates on both domestic and international calls are very competitive. There are no sign up fees or required deposits.

As a user of USULD, you will receive your own personalized access code. Each month you will receive an itemized bill that shows what long distance calls you made, as well as the date, time, length, and cost of each call. There are no calling card surcharges or taxes; you only pay for the calls you make!

We use a flat rate for all domestic calls; they cost the same all day, every day, to include weekends and holidays. All calls made within the United States will cost \$.10 per minute. It's as simple as that. With these rates, you will save over 40% on daytime calls compared to current

AT&T long distance rates!! USULD's standard pricing for international calls is 10% below AT&T's normal direct-dialed residential rates; however, we have negotiated substantially better discounts for calls to the countries USU students call most often. Call Tresa at 797-3333 to see what countries were affected. You can get a current list of the international rates in our office.

In addition to offering long distance services, our office also offers voice mail for all students living on campus. (You do not need to be a USULD user to have voice mail). You may subscribe to voice mail any time during the academic year; the fee is \$25 for installation, payable at the time of installation, and \$3 each month, which is billed monthly. The installation fee covers the academic year, and will need to be paid each school year that you use voice mail.

To apply for USULD or voice mail, come in to our office located in the basement of the SER building, Room 001. Our USULD representative, Tresa Riggs (797-3333), will issue your card and answer any questions you may have regarding your bills. Tresa will also take your payments if you wish to make them in person. For voice mail or rate questions, Tresa Riggs (797-3333) will assist you. Come join with hundreds of other students on campus in long distance savings today

L & P offer new speech major

The Department of Languages and Philosophy is pleased to announce a new opportunity for those interested in developing communication skills and preparing for careers that involve a knowledge of organizational and intercultural communication.

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Speech Major

Starting this Fall, students can major in a Speech program with these two emphasis areas. The program is housed within the department.

ment.

Although it is difficult to know what exciting careers will evolve in the future, it is generally agreed that most will require effective communication, ability to work well with people from a variety of cultures, experience in creating and leading teams, competency in managing conflict, decision making skills, sophisticated understanding of communication processes within organizations, research skills, and ability to teach and to learn. The Speech major is designed to develop the skills, knowledge, and experience that will allow students to pursue careers in fields such as communication consulting, management, law, high school and college teaching, professional speech writing, corporate training, the military, health care, and others.

The three Speech faculty members have diverse specialties that mesh well to provide students flexible, intense preparation for these exciting careers. John Seiter (Ph.D., USC) specializes in persuasion and interpersonal influence, deception detection, and intercultural

communication. He is an author of a major persuasion textbook and is completing a second book. He has published numerous research articles. He promotes student research in his classes. Students have published articles in research journals based on original research conducted in his classes.

Jennifer Peeples (Ph.D., University of Washington) joins the program this semester. She is a specialist in environmental communication, rhetorical theory, and critical methods. The courses in environmental communication that she is developing will open opportunities for students interested in environment-oriented careers.

Harold Kinzer (Ph.D., Ohio State) teaches organizational communication and communication education courses. He helps provide training experience for those seeking training and consulting careers and supervises all student teachers. This significant teaching experience has led to training careers for a number of our students.

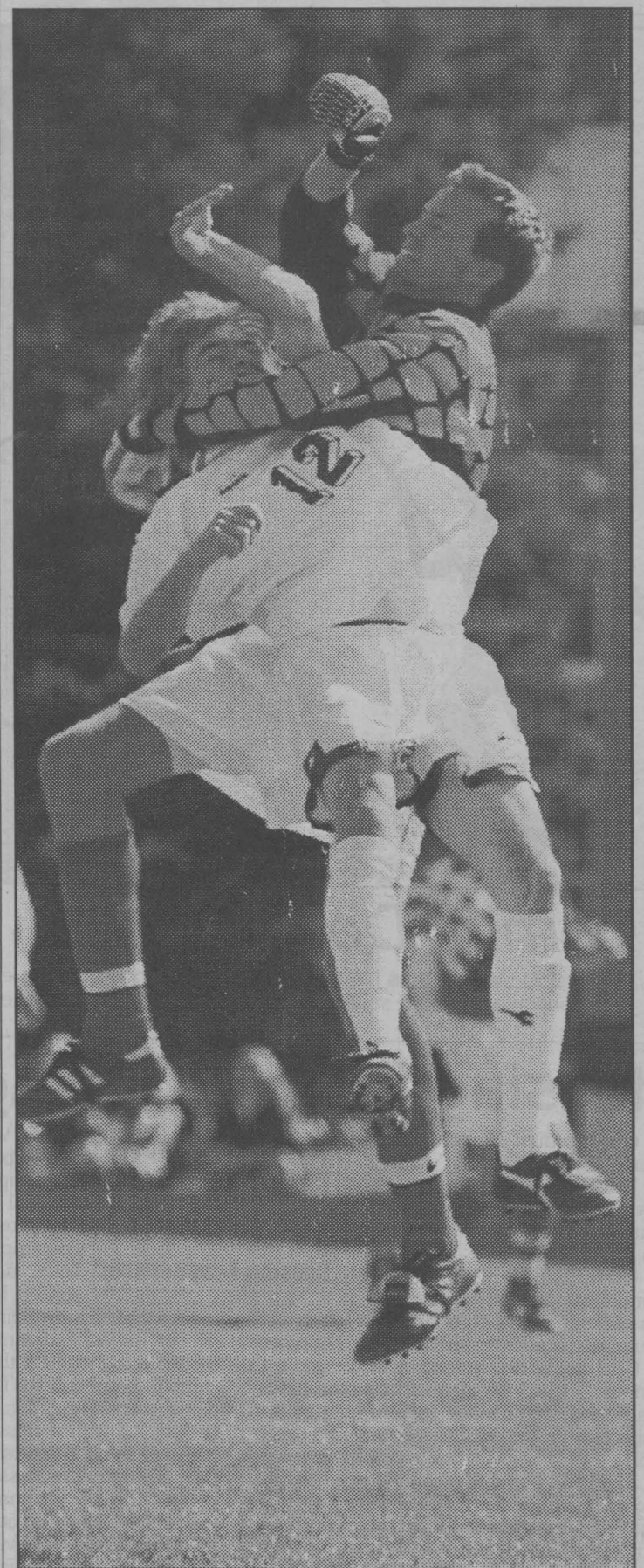
Outstanding students will be invited to join Lambda Pi Eta, the National Communication Honor Society. Society activities will provide additional career con-

tacts and career preparation opportunities.

Speech classes include some combination of teamwork, presentations, research, "real world" communication problem solving, and, for qualified students, the opportunity to be a teaching assistant. Enrollment in the major is limited so students can expect to graduate on schedule. If this program interests you, visit the Languages and Philosophy Department in Old Main 204 or the Speech faculty in the historic Barn, in the TSC parking lot.

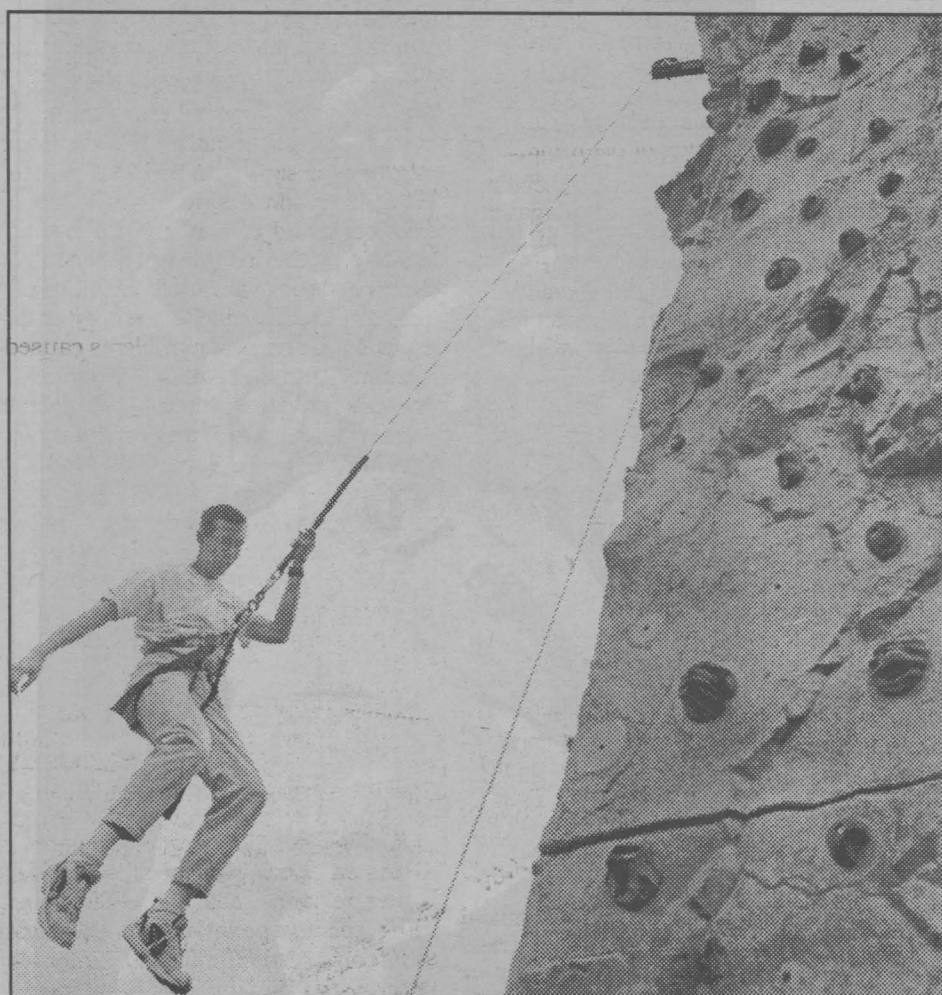
Even our building is interesting.

Social activities provide career contacts and preparation opportunities....



Mid-air accident

A USU soccer squad member gets tangled with a visitor from the University of Utah as the teams tangled on the USU Campus. Watch calendars for complete sports schedules.



Comin' Down!

A USU student tries his hand at a portable rock climbing exhibit. Logan Canyon also offers several spots that rock climbers frequent.

New name, same excellence in revamped Journalism and Communications Department

The Department of Journalism and Communication has a new name but the same old record of success.

Last year, "Journalism" was added to the department's name to indicate

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Journalism & Communication**

the department's focus on giving students the skills they need to land jobs in

television, newspapers, public relations, the internet and other media of communication. All kinds of businesses need people who have sharp journalism and communication skills. And the evidence keeps growing that our department provides those skills.

Consider:

-- A J/COM student-run public relations group won second place at the 1999 annual Golden Spike Awards for a media relations campaign the students designed for the Logan city government. The USU group was the only student organization entered in the professional competition, sponsored jointly by the Public Relations Society of America and the International Association of Business Communicators to recognize the best media relations campaigns in Utah during 1998-99. The student group, which calls itself NextCom Public Relations, won the award in the public affairs and government relations category for a comprehensive media campaign the students designed and executed for Logan's economic development office. Students who enroll in J/COM 5300 will continue the group's professional-quality PR work.

Students at Utah State University are training to assist in broadcasting the 2002 Winter Olympics to the world. The comprehensive training program is coordinated by International Sports Broadcasting. Advisors include J/COM faculty members Ted Pease and Penny Byrne.

J/COM students won eight awards for excellence in journalism at last year's regional convention of the Society for Professional Journalists. The Hard News Cafe, the department's online, student-run news and information site

(www.hardnewscafe.usu.edu) won second place in the best daily student newspaper competition in the region comprising Utah, Wyoming, Colorado, New Mexico and El Paso County, Texas. A-TV News, the department's student-run cable news and information program, also took second place for best non-daily newscast. Students

also captured individual awards in reporting and photography. In the coming year, the technology of the television news classes will take a leap forward to 80 percent digital, as the students will work with four digital cameras and two digital editing systems.

A little over a year ago, the department was named the best professionally oriented journalism program in Utah by the Pacific Northwest Newspaper Association.

With recognition such as this, it's no wonder the program has seen its enrollment triple since 1994, to about 450, and that professional PR, television and print journalism organizations beat a path to the Animal Science Building to seek our students for internships and entry-level jobs.

"There are three things that we especially pride ourselves on in the J/COM department -- the personal, the professional, and the critical," says Pease, a former newspaperman who has headed the department since 1994.

"We have a strong professional orientation, so we teach students to work in the real world. Second, we are a family -- this is the campus 'home' for our students, and the doors are always open. Third, we're tough and don't accept excuses, just like in the real world -- we expect our majors to be smart, responsible, motivated self-starters who think critically and want to help others make sense of the world. That's pretty important for the information age."

Students who major in J/COM must choose one of four concentration areas: broadcast and electronic communication; print journalism; general media studies; or public relations/corporate communications.

In addition to 30 to 36 credits in J/COM classes, with many of those in the student's concentration area, J/COM majors must complete a minor or concentration of at least 18 credits in some other discipline. J/COM majors also are encouraged to begin professional work during their college years, which might include work at the Statesman, Aggie TV, NextCom, or an internship.

For more information on a J/COM major at USU and the career opportunities that come with it, call the J/COM office at 797-3292; visit with our faculty on the third floor of the Animal Science Building; pick up copies of EXTRA!, our department newsletter; or visit our website at www.usu.edu/~communic.

Housing is home for Aggies

On-Campus Housing is The Home of the Aggies!

USU Housing and Food Services is not just close to campus, we're part of it because we're on it!

Utah State University is a residential campus offering a variety of on-campus living communities. Much of a student's academic success and happiness at USU can be determined by where and with whom they live. Residence Halls have historically and traditionally fulfilled that role in this country, and USU is certainly no exception.

Living on-campus means you're naturally closer, have greater contact with, and more convenient access to all the necessities and amenities college life has to offer - faculty, classrooms and labs, libraries, the Student Center, and athletic and recreation facilities. USU Residence Halls complement your college experience by creating conditions for further academic success -- providing in-hall computer labs, tutoring sessions, and academic space; televising classes to your room on A-TV; potentially connecting you to the Internet from your own home; establishing quiet hours nightly to accommodate study needs; and facilitating educational programs and workshops of a topical and academic

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Housing, Food Services**

nature. While we can't promise you better grades (after all, that's up to you), numerous national studies have shown that those students who live on-campus tend to perform better academically, stay in school longer, and become

more satisfied with their overall college experience. In fact, students in USU Housing earned a higher GPA than those of their off campus counterparts for the last two academic years. Freshman in Housing earned a GPA of 2.8 with a class load of 14.1 hours, while their off campus counterparts had a GPA of 2.58 and a class load of 11.4 hours.

The diverse community within the Residence Halls is another major reason for their popularity. Involvement in on-campus housing can have a significant influence on your overall education - not just academically - but also on a social and personal level. The opportunity to meet and interact with people from other cultures and different areas of the country expands your view of the world. Your informal experiences in the residence halls are every bit as important, valuable, and developmental as those in a more formal classroom setting.

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Plants, Soils, and Biometeorology has majors for building sustainable future

The Plants, Soils, and Biometeorology Department is an academic home for students interested in almost anything dealing with soils, plants, or the atmosphere.

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Plants, Soils & Biomet.

It is also a home for students who have an interest in chemistry, art, biology, mathematics, computers, design, and other diverse fields who would like to apply those interests to improving agriculture, environmental quality, or the natural beauty of our surroundings. If you have ever wanted to apply your talents, whatever they may be, to being a better steward of the earth, this is one place to get the skills. The PSB Department is incredibly diverse with something of interest for almost every student.

Within the PSB Department, there are three majors: Environmental Soil/Water Science, Horticulture, and Crop Science. Each of these majors, in turn, has three to four areas of specialization. Students in these majors gain skills that will prepare them to deal with increasing urban demands for water, agricultural water quality and pollution, soil conservation, and the pressures for increased agricultural production combined with the dilemmas of sustainability, genetically modified organisms, and technology. Career opportunities for department graduates are both high-tech and high-touch and range from the lab to the field to the public marketplace. Currently, job demand for students exceeds their availability.

The pace of change in agriculture has accelerated in recent years with the adoption of innovations in biotechnology, integrated pest management, holistic agriculture, sustainable agriculture and global markets. There is a definite shortage of

people who can integrate the complex interactions of the plant, soil, and atmosphere continuum with the current technological changes. There doesn't seem to be any signs this trend will abate. Already there are shortages of qualified candidates for some jobs.

Curricula encourage students to gain the fundamental skills they will need to adapt to the rapidly changing job market that awaits them. Laboratory classes provide the critical hands-on experience which translates knowledge into practical application. In addition, the faculty employs many undergraduates in their laboratory and field research, providing crucial on-the-job training.

Many employment opportunities await graduates of the Plants, Soils, and Biometeorology Department in both the private and public sectors. Alumni hold positions in agribusiness, parks, golf courses, agricultural consulting, the chemical industry, federal and state agencies, and environmental consulting firms. Many also pursue higher degrees.

Three general education breadth courses attract students who are interested in the relationship of humans with plants, soils, water, and the climate. These are Plants, Genes, and Agriculture (PLSc 2000 BLS), where students learn the fundamental concepts of modern agricultural crop production; Soils, Water and the Environment (Soil 2000 BPS), a survey of the utilization and protection of soil and water; and The Atmosphere and Weather (Bmet 2000), where the fundamental processes of weather and their effect on human activities are taught.

Three general education depth courses are also taught. These are Horticultural Science (PLSc 3200 DSC), where students learn the scientific basis of gardening and landscaping in the arid west; Cereal Science (PLSc 4600 DSC), which covers the

principles involved in processing grains into flours; and Soils and Civilization (Soil 3100 DSC), which reviews the impact of soils and their management on civilizations through history.

Within the Horticulture Major, the Ornamental Option has the largest enrollment. It includes a study of plant materials; the identification and culture of trees, shrubs, vines, flowers; interiorscaping, residential landscaping, propagation, greenhouse design; turfgrass and landscape maintenance; with particular emphasis on water management skills.

The Plants, Soils, and Biometeorology Department, in cooperation with the Landscape Architecture and Environmental Planning Department, offers a Landscape Maintenance and Construction Option within the Horticulture Major for students who wish to blend landscape maintenance and construction with the growing of plants. Horticulture Majors may also qualify for certification as Professional Horticulturalists.

Crop Science students can select an option in Agronomy, where they learn production techniques and the underlying principles of crop production, and receive broad training in soil science, plant pathology, entomology, weed science, and animal science as well as crop production, and can meet the requirements to become Certified Professional Agronomists, Crop Scientists, or Crop Specialists.

Students interested in technical careers in biotechnology or those interested in higher degrees in biotechnology or those interested in genetics, plant breeding, plant physiology, or molecular biology should consider the Agronomy Research or Biotechnology/Research Option in the Crop Science Major. Inorganic and organic chemistry, along with courses in biotechnology, botany, crops, and soils are

required for these options. Students gain both the technical skills and the practical knowledge required for employment in biotechnology and other industries, and will be sought out for positions as research or teaching assistants in graduate programs in the life sciences.

The Environmental Soil/Water Science degree is designed to produce graduates capable of addressing society's need for protecting and enhancing soil and water quality. Environmental Soil/Water Science Majors will qualify for careers that prevent, characterize, or remedy environmental soil and water problems caused by industry and agriculture. Graduates fill the gap among engineers, geologists, and ecologists and play a major role in protecting and enhancing our soil and water resources.

Environmental Soil/Water Science majors also obtain an understanding of fundamental science, mathematics, and soil and water sciences. From this background, majors choose options in Soils, Water, or a combined Soil and Water emphasis in preparation for a variety of careers. Majors can meet the requirements to become a Certified Professional Soil Scientist while preparing for a career in the private sector, or with a federal or state agency. The degree prepares students in specialties such as soil-plant-water relations, soil and sediment mapping, soil interpretation and classification, soil conservation, soil and water chemistry, soil fertility, and transport and transformation of pollutants within the soil-water zone. Students interested in pursuing advanced degrees will be well prepared to enter graduate programs in soil science, ecology, and other related sciences.

Housing has many options for Ags

Continued from page 4

The professional and student staff in each hall are dedicated to serving each student's interests and needs within that residential community. They provide the best possible living/learning environment to complement and support classroom experiences. You can become part of award-winning regional and national community-building programs of an educational, social, cultural, leadership and recreational nature.

With today's economic uncertainties, it's good to know that all necessary service costs, utilities, local telephone, 84-channel A-TV television package (as of September 1st), water, sewer, and garbage collection are included in the total housing fees paid each semester. There are no separate deposits required for these services, as there usually are off-campus. Plus, you don't have to put the utilities in your name and collect money from your roommates to pay the bills!

Traditional-Style Residence Halls - Mountain View Tower (Men), Valley View Tower (Women), and Richards (Men & Women). Traditional-style halls offer the greatest convenience of on-campus living, with location, dining, and parking time savers. Private rooms are available in all traditional halls. Our custodians maintain all common areas

and bathrooms. All you need to do is clean your room. You can even plug into the University mainframe computer directly from your traditional hall port!

As a traditional hall resident you can conveniently dine anywhere on-campus, but you have unlimited access to a virtually unlimited variety of well-balanced menu items anytime of the day (7 a.m. - 7 p.m.), in unlimited portions, just next door at The Junction. Choose from a flexible array of meal plan options available, tailored to your individual dining needs and accessed by using your ID card.

With no groceries to buy or dishes to wash, you don't have to worry about finding time to shop, prepare a meal, or clean. Furthermore, a recent study showed that students who live on-campus tend to eat better (diet and nutrition-wise) than students who live and eat off-campus. And The Junction's registered dietician can help you plan individual diets as needed.

Apartment-Style Residence Halls -(Women): Greaves, (Men and Women): Wasatch, San Juan, Summit, Morgan, Rich, Davis, Jones, Snow, Bullen, Merrill, Reeder and Moen. Upperclass and Graduate single students can also reside in designated triads of Aggie Village where private bedrooms are an option. Privates are also available in Moen, Greaves and Reeder Halls.

Living in an on-campus apartment combines the option

of apartment living with the same Residence Life advantages previously highlighted. Each apartment has a kitchen, 1-2 bathrooms, and three bedrooms (two people per bedroom). Like your own home, you are responsible to keep your apartment clean and create your own daily menus. Unlike off-campus apartments, your hall has professional and peer staff ready to help you academically succeed, enhance your on-campus experience, and provide community resources. Housing options particularly attractive to graduate students are also available.

Family Student Housing - There are one- two- and three-bedroom apartments, 2-bedroom Townhouses, and a tenant-owned Mobile Home Park (some units are available for rent through Housing). We offer very reasonable rent rates, with all the conveniences and amenities afforded by living on-campus. You will experience a unique opportunity to live and interact in a community of families from all parts of the United States and from around the world. Resident Assistants also provide services in these areas.

If you desire more information about any of our on-campus housing facilities, rates, and dining options, please contact USU Housing and Food Services, Logan, Utah 84322-8600; (435) 797-3113, visit us on the web at [HYPERLINK http://www.usu.edu/~housing](http://www.usu.edu/~housing) www.usu.edu/~housing, email us at HYPERLINKmailto:info@housing.usu.edu info@housing.usu.edu, or stop by our office located in the Helen Lundstrom Student Center, 1295 E. 1000 N.

Plan Ahead: Economics is in your future

Employers recognize and reward the value of training in economics. U.S. Department of Labor earnings data report that midcareer economics majors earned 15 percent more than the median, higher than any other major in the humanities, education, or the biological or social sciences. Indeed, among women, economics had the highest median salary of all the disciplines: \$49,170.

The Economics Department at Utah State University is unique because it offers undergraduate degrees in Economics through the College of Business and the College of Agriculture. The undergraduate degrees are offered in six areas -- traditional economics, managerial, pre-law, agricultural economics, agribusiness, and international agribusiness.

In addition to employment in colleges and universities, economists with graduate degrees are employed by major corporations and consulting firms in the private sector. They work as analysts in the Federal Reserve System and OMB, and they work as researchers and planners in state and federal agencies. Increasing numbers of economists, agricultural economists, and agribusiness college graduates either own small businesses or are hired by the private sector. Principal employers include banks and financial institutions, brokerages, real estate and appraisal firms, as well as firms engaged in production, processing, and commodity marketing. Economists forecast interest rates, project the demand for goods and services, and evaluate consumer and business spending decisions. Economists in the Department of Agriculture analyze the supply and demand for food in the U.S. and world to aid food policy decisions. Economists in the Department of Interior make cost-benefit analyses of potential public water projects. Those in the Department of Labor forecast the employment effects of increasing the minimum wage. In the Treasury Department, economists forecast the effects of the federal government deficit on interest rates, inflation, and economic growth rates.

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Economics



Who's the new kid?

The USU Dean of Education makes a visit to the Edith Bowen Laboratory School, part of the Elementary Education program at USU.

The agribusiness degree is structured as a dual major. Graduates receive a major in agribusiness through the College of Agriculture and a dual major in business through the College of Business. The economics major also is offered as a dual major. Because students working on a major within the College of Business have to take nine semester hours of economics at a minimum, by adding, at a maximum, four more courses, College of Business students can receive an economics dual major along with their finance, accounting, marketing, or management major.

In addition to preparation for a career in business or government, a major in economics or agricultural economics provides an excellent background for those seeking graduate degrees in economics and agricultural economics, as well as the MBA and law degrees. Further, because training in economics is being required for students in junior and senior high schools, there is growing demand for teachers with competency in economics and the free enterprise system.

The study of economics is an important part of a student's general education. Economics 1500 meets the university's general education requirement for the American Institutions requirement for graduation.

All Department faculty hold doctoral degrees from a cross-section of the finest U.S. universities. All have

active research programs and regularly publish in professional journals and books. The department maintains a commitment in International Economics. In addition to offering courses and conducting research in international trade and economic development, the faculty has completed foreign assignments in countries including Algeria, Australia, Bangladesh, Bolivia, Brazil, Cameroon, Canada, Central Asian Republics, China, Columbia, Czech Republic, Dominican Republic, Ecuador, Egypt, England, Gambia, India, Italy, Ivory Coast, Kenya, Korea, Madagascar, Mali, Mauritania, Peru, Poland, Russia, Senegal, Somalia, Taiwan, Tanzania, Thailand, Turkey, and the Ukraine. A mix of international students at graduate and undergraduate levels add to the cosmopolitan character of the department.

If you would like to explore opportunities in the Department of Economics, the faculty, staff, and academic advisors are available to discuss your education and career plans. The department office is located on the 6th floor of the Business Building. Please contact Dr. Keith Criddle, Department Head (797-2310), Dr. Tyler Bowles, our Undergraduate Academic Advisor (797-2378), or our secretarial staff for further assistance. See our web site at { [HYPERLINK "http://www.econ.usu.edu" www.econ.usu.edu](http://www.econ.usu.edu) }

BIE applies engineering to resource problems

The Department of Biological & Irrigation Engineering is nationally credited and internationally recognized. Biological and Irrigation Engineering applies engineering

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principles and the science of biology to solve bioresource problems. Agriculture, from seed to supermarket shelf, is the largest bioresource industry, but the biological revolution is making possible a new realm of products, procedures, and services in many other areas. Genetically manipulated organisms, new drugs, biomaterial, animal growth hormones, plants with specially designed genetic potentials, and manufactured foods are the beginning of a rapidly growing list. Biological engineers produce, extract, and/or refine food and chemicals from living systems. A major

challenge for engineers working in bioprocessing is the purification of the products from biotechnology.

The program allows specialization in one of two important areas: (1) Bioprocess Systems Engineering, and (2) Soil and Water Resource Engineering. Academic work, particularly in the junior and senior years, is supplemented by field trips (included as part of the coursework). The curriculum is designed to prepare students for a wide variety of professional jobs related to the production and use of biological materials for agricultural and other biological products.

Graduates in biological engineering are employed by biotechnology companies, manufacturers of farm equipment, food processing companies and distributors of biomaterial and supplies. Some work as engineering consultants, while others work for state and local governments, educational institutions, and federal agencies

with biosystem and water management responsibilities.

Obtainable degrees through this department include a Bachelor of Science (BS) in Biological Engineering, a Master of Science (MS) and Doctor of Philosophy (PhD) in Biological and Agricultural Engineering, an MS and a PhD in Irrigation Engineering.

The department's faculty consists of accomplished engineers and scientists of worldwide eminence. They have worked on projects in more than 70 countries. The technical capabilities of the faculty are reflected in their teaching excellence and in the worldwide demand for their expertise on consulting assignments in their fields of endeavor.

The Department invites and welcomes students to visit the office located in the Engineering Building, Room EC 216, for further information and assistance.

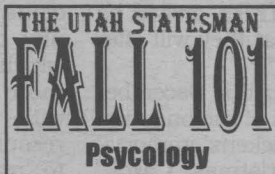
Learn about yourself and others with psychology

Why should I major in psychology?

Psychology is a field of study that provides students with a greater understanding of behavior of other people and of other living things. Whether students wish to use their degree to gain entrance directly into the job market or whether they plan to continue with graduate study, the Department of Psychology is committed to providing a program geared to the needs and career goals of the individual student.

Psychology graduates at the bachelor's level have been successfully employed as high school and junior high school teachers, aids in psychological or psychiatric therapy units, industrial testing specialists, social service coordinators, child abuse case workers, public relations specialists, welfare case workers, psychologists' assistants, behavior measurement recorders, rehabilitation case workers, mental hospital program coordinators, foster care workers, child day-care case workers, scientific consultants, ward attendants, job performance evaluators, job analysts, personnel placement and recruitment officers, consultants, consumer behavior analysts, management trainees, interviewers, data collectors and analysts, organizational developers, laboratory research assistants, and many more.

Some psychology majors plan to continue their education by attaining master's or doctorate degrees in psychology to become counselors, school psychologists, professors, or to do psychological research. Others will attend law school, medical school, or do further graduate study in economics, education, business, biology, physical therapy, and other areas as well. Because knowledge of psychology contributes to improvement in relations with other people, a psychology major is often combined with a major in another study area. According to the American Psychological Association, Psychology is currently the most popular of all areas granting bachelor's degrees. In the USA, about 50,000 bachelor's degrees a year are currently being awarded to psychology majors. You will find as you investigate the field of psychology, that it is the study of human and animal behavior, the accumulation of scientific methods used in psychology, as well as the application of these methods and knowledge to benefit mankind.



I haven't selected a major yet. How can I determine if a major in psychology would interest me?

You are probably a lot like the majority of freshmen registering at USU this year. Most freshmen have either not decided on their major or will change from their chosen major to another field of study before graduation. Many students will change their major several times.

A successful method for students to use to find interest areas is to take introductory classes from various departments that will fill general education requirements. The Department of Psychology has such an introductory class (Psych 1010 - General Psychology). The Psychology Department offers the class, Career and Life Planning (Psy 1220) designed to help students select a major and a career that will be both interesting and suitable for them. At least three psychology classes are aimed primarily toward personal enrichment and designed to improve students' personal relations with other people as well as created better understanding of self and social skills.

Where is the Psychology Department located?

The Department of Psychology is located on the 4th floor of the Education Building (number 61 on our campus map). You don't need to be a psychology major to go the department. The undergraduate adviser is available on a daily basis to answer questions for you and there is a syllabus of every psychology class on file. Students may look over the syllabi and see (1) the purpose and general content of the class, (2) test requirements, (3) the amount of reading and written work required, (4) the number of tests, and (5) the grading policy, etc. Students can also be active in an honors group in the Psychology Department. PSI CHI, the national honor society has several functions each year, both social and academic. All interested and qualified students are welcome to participate and should contact the department.

I'm interested! Who can I speak with to get more information?

Karen Ranson, Undergraduate Advisor, Education Building, Room 475, Ext. 7-1456.



Not True Aggie Night

Don't be fooled—eating a doughnut with one hand behind your back is not the ritual for becoming a True Aggie. It might be one of the activities at Halloween Howl, however, which is also an Aggie ritual.

Women's accomplishments reviewed

Continued from page 2

women are just part of the focus of courses in USU's Women's Studies Program, which looks at issues of gender from a wide range of perspectives and disciplines.

Each semester, Women's Studies courses are taught by faculty members from departments throughout the university - Anthropology, Communication, English, Family and Human Development, Health and Physical Education, History, Political Science, Psychology, Special Education, Sociology, and Languages. Special topics courses are offered during the year, and many courses also offer Honor's and graduate sections.

WS courses give you the opportunity to examine the diverse experiences, perspectives and contributions of

women in the past, present and future, both nationally and internationally, and in nearly every field you can think of. The courses provide an understanding of the role of gender and its practical implications in your basic life experiences, and insight into the current and future changes in the roles of women in this country and the world. Internships also are available for work related to women's issues.

A Women's Studies minor or certificate is an asset for employment in a variety of fields, such as health, family law, counseling, social work, the media and business. In any career, an understanding of how gender affects both our perceptions and expectations of others is invaluable. Former USU women's studies' graduates are currently working in a variety of settings, including newspapers,

public relations, politics, social service agencies such as battered women's shelters and rape crisis centers, and in international venues such as the Peace Corps; others go on to graduate study.

You may enroll in individual courses or apply course work toward either a minor in Women's Studies or an area studies certificate, or toward a Liberal Arts and Sciences major. Fifteen credit hours are required for the minor, and 24 for the area certificate. One core course is required - COMM 1010: Introduction to Women's Studies - and you may select the remaining courses with an advisor to fit your individual interests and career goals.

For additional information please contact Dr. Pam Riley, Interim Women's Studies Program Director, 224G Old Main, 797-1256 (priley@hass.usu.edu), or the Science/HASS Advising Center, Student Center 304. Or check out our home page: <<http://www.usu.edu/~womenstu/>>.

USU Theatre announces ambitious schedule for 2000-01

Utah State Theatre (UST) offers a well rounded season of live theatre in the Chase Fine Arts Center (FAC building), where it calls the main stage Morgan Theatre its "home." In addition to the main stage season, the department also produces Conservatory Series productions in the flexible Studio Stage theatre in the FAC, room 224. According to Department Head Colin Johnson, the theatre tradition at USU began over a hundred years ago in 1896 with a production of *The Galley Slave*.

The Mainstage Production season opens with Alfred Uhry's *"The Last Night of Ballyhoo."* Winner of the 1997 Tony Award, *"The Last Night of Ballyhoo"* is a poignant play about intra-ethnic prejudice within the Jewish community. It is set in Atlanta, Georgia, on the eve of the release of the film *"Gone With The Wind,"* Uhry's tale tells of the differences, real or perceived, between the Jewish community of 1939 Atlanta and New York. *"The Last Night of Ballyhoo"* will be directed by Kirstie Rosenfield.

Also on the Morgan Stage this season will be David Pownall's adaptation of the Jane Austen classic *"Pride and Prejudice."* Directed by Lynda Linford, *"Pride and Prejudice"* is the story of the Bennet family and their experiences with love, marriage and social climbing. It is social satire on a grand scale.

Closing the mainstage season will be *"Footlight Frenzy"* by Ron House, Diz White, Alan Shearman and Bud Slocumb. A play within a play, this farce lets the audience backstage to see the nutty underbelly of the theater as the cast attempts to put on a play to secure their funding at the Rye School for Unusual Children. The audience is treated to the full range of what happens behind the scenes as egos clash with personal differences.

Not to be forgotten, there will also be a musical this season which will be announced at a later date.

In addition to the UST productions the Morgan Theatre stage will be the site for two special productions. The first will be ACTER (A Center for Theatre, Education and Research). A travelling Shakespearean acting company, based at the University of North Carolina, Chapel Hill, ACTER will be at USU presenting workshops in the Theatre and English departments and staging a production of *"As You Like It"* on the Morgan stage.

Built with help from the Royal Shakespeare Company, through then director Trevor Nunn, ACTER has been travelling since the 1970s and boasts such alumni from their first two seasons as Ian Richardson, Tony Church, Susan Fleetwood and Patrick Stewart.

This season boasts a cast that is also experienced in the Bard's work. It includes Guy Burgess, Lolita Chakrabarti, Ken Drury, Richard Howard and Jennifer Luckraft.

Bringing ACTER to USU took some time to bring to fruition. Theatre Arts associate professor Kevin Doyle says he "was approached by Phebe Jensen of the English department a few years ago about the group and the possibility of bringing them in. It wasn't until we wrote a joint grant proposal, that was accepted by The Caine Foundation, were we able to make

this a reality."

Doyle tells USU students to "pay attention to news from the Theatre department as we get closer to ACTER's arrival as there is the possibility that they will offer some solo performances."

Another special offering this December will be two performances of the one-man production of Charles Dickens' immortal holiday classic *"A Christmas Carol."* Adapted and performed by Doug Baker it promises to be a holiday treat everyone can enjoy. The proceeds from these performances will benefit the W. Vosco Call scholarship fund. The exact dates will be announced later.



UST Season at a glance

- **THE LAST NIGHT OF BALLYHOO** by Alfred Uhry. Oct. 26 -28, Nov. 1-4, Morgan Theatre.
- **AS YOU LIKE IT** by William Shakespeare. Nov. 7, 10, 11, Morgan.
- **TBA (Musical)** Thursday, Dec. 4-9.
- **A CHRISTMAS CAROL** by Charles Dickens, week of Dec. 11, Morgan Theatre.
- **PRIDE AND PREJUDICE** by David Pownall. Feb. 22-24, 28, Mar. 1-3, Morgan.
- **FOOTLIGHT FRENZY** April 12-14, 18-21 at the Morgan Theatre.

The Theatre Arts department and UST have, over the years, fulfilled a mission to train students in performance, technical theatre, and theatre education. The benefit to the student community and the residents of northern Utah is a full schedule of quality theatre productions in both the mainstage and the conservatory seasons. The department also produces a children's theatre production annually for elementary and middle schools, narrative

theatre productions, and several studio productions.

"The talent and enthusiasm of our students and the professionalism of the faculty combine to make for productions which often equal or exceed the quality of those produced by other organizations with greater funding and many more resources available to them. We invite you to make the comparison," said Colin Johnson, head of Utah State University's Theatre Arts department.

"The comprehensive training we offer means that we do not limit ourselves to one style or genre of production."

All UST performances begin at 7:30 p.m. and the doors to the Morgan Theatre will open at 7:00 p.m.

Tickets for all productions are available at the USU Spectrum Ticket Office (797-0305) during business hours (9:00 a.m. to 5:30 p.m., Mon. through Fri.), at the Taggart Student Center Information Desk (9:00 a.m. to 4:30 p.m.) and at the door on performance nights. Credit card reservations are accepted over the phone.

Tickets can also be purchased as a Flex-Pass subscription. A Flex-Pass contains five coupons exchangeable for any UST Mainstage production with one additional coupon to the Conservatory Series production of your choice.

Flex-Pass subscriptions are \$32 for adults, \$24 for USU faculty/staff and seniors, and \$20 for youth under 18 and non-USU students.

Single tickets are \$8 for adults; \$6 for USU faculty/staff, and seniors; and \$5 for youth under 18 and non-USU students.

USU students attend productions free with a valid student ID. USU students may claim one ticket per production one week in advance at the Spectrum Ticket Office, Taggart Student Center, or at the door (subject to availability) on performance nights. Admission is not general; seating assignments must be made. Group rates are also available by calling 797-1500.

Career Services lists services for internships, job search

Welcome back, Aggies! The Career Services Offices offers a wide variety of services to assist you in your co-op/internship and post-graduate employment search. The following are some highlights of the services we offer:



Advising — A Career Services advisor is available to assist students in your specific college. Any advisor is available to help you; however, your career advisor knows your needs best. Resume and cover letter editing as well as interview

preparation are available from your advisor. Specific advising in the area of obtaining government employment (State or Federal) is also available.

Cooperative Education and Internships — Investigate obtaining your first, second, or third career-related experience. Earn pay, academic credit, and the relevant experience employers are looking for.

Weekly Job Listing — Our new online feature, eRecruiting, allows you to access "Hot" job openings (coop/internship and post graduate), and allows you to apply for these positions online.

On-Campus Interviewing — Load your profile (demographic data) and resume into the Center's database via

eRecruiting, for use in on-campus interviewing and for your resume to be viewed by interested employers. With eRecruiting, you will sign-up for on-campus interviews online, upload tailor-made resumes and cover letters, and submit these materials directly to employers.

Career Fair — Wednesday, March 7, 2001 - Taggart Student Center. Approximately 180 organizations will be attending and can answer questions about career opportunities, products, or services. In the weeks before the fair, visit the Center to sign up as a Student Host to prepare for the employers you will be talking with.

Student Alumni Career Network — Names and addresses of USU alumni

who volunteer to help USU students make contacts and provide advice.

Alumni Assistance — After you have graduated, you are welcome to use the services of our office. Remember the Center continues to be available for assistance if you want to update your resume, research companies, or make a career change.

Career Services Workshops — Each week the Center offers workshops to assist students in preparing for job searches.

Get started with your career search NOW and visit us today! Career Services is located on the ground floor of the University Inn. 797-7777.

Parking Services has some changes for Fall Semester

Beginning Fall Semester, 2000, all people who park a vehicle on University property will be required to register their vehicle at the USU Parking Office and pay a \$10 annual fee. This policy was recommended by the Parking and Transportation Advisory Committee in fall, 1999 and was approved by the Administration shortly thereafter.

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Parking

Discussion was held during the Committee's spring meeting regarding the funding of a new parking structure. A variety of funding options were discussed, and one of the proposals was to charge everyone who parks a vehicle on the USU campus an annual fee. The Committee concluded that there is no such thing as a "free" parking area. Each area on campus needs to be maintained, which includes crack sealing, painting, snow removal and cleaning. In order to help subsidize the bonding of a new parking structure, the Committee recommended this policy, which affects all of the areas on campus that were previously "free" parking. Most lie on the perimeter of campus, and, of course, the largest area impacted is the Stadium.

Students living off-campus who wish to park a vehicle on campus have two permit options: 1. Purchase a Student B permit which allows parking in the central campus area (please refer to campus map). Cost for a B permit is \$35 per year or \$20 per semester.

2. Purchase an Economy permit which allows parking at the Stadium and below Old Main Hill (refer to map). Cost is \$10 per year.

To purchase a permit, bring your vehicle registration, student ID and the appropriate payment to the Parking Office located at 1151 East 700 North. During the first two weeks of school, permits will also be sold at the Taggart Student Center - in the International Student Lounge during the first week and Room 335 the second week.

New Web Site

You may now purchase your parking permit, appeal a citation or gain further information about parking

regulations at USU by visiting our new web site at: www.usu.edu/parking.

Neighborhood Parking Program

The City of Logan recently restricted parking in neighborhoods adjacent to the University. Watch for new signs in these restricted areas.

Student Housing

Students living in campus Resident Halls are required to purchase a permit to park in the area adjacent to their respective residences. These permits are valid for the resident area specified and any Economy parking area. Permits will be sold at each of the Resident Halls during the first two weeks of school. Ask your RA for a schedule.

Parking Terrace

The Parking Terrace is available for anyone coming to campus including students. The hours of operation are from 7 a.m. to 9:30 p.m. and patrons must pay for all time parked during those hours. The rate is \$1 per hour with a maximum rate of \$5.00. The Terrace has 320 spaces and is often full by 9:15 a.m.

Other Areas

Metered areas are enforced from 7:30 a.m. to 5:00 p.m. unless otherwise posted. The following areas are enforced 24 hours a day, seven days a week:

- Sidewalks
- Roadways
- Red Curbs
- Lawns
- Driveways
- Fire Hydrants
- Service Areas
- Disabled-Only Spaces
- Residence Hall Areas
- Junction Loading Area

Appeals

If you receive a citation and believe you have grounds for an appeal, the citation must be appealed within 14 calendar days from the date of issuance by coming to the Parking Office and completing an appeal form, or you may appeal via the internet on our web-site. You may then make an appointment to meet with the USU Appeals Officer personally, or you may choose to receive a response to your appeal by mail or email.

When you appeal a citation, the fine is "frozen" until a decision is made.

Loading and Unloading

Service areas may only be used by private vehicles after obtaining a Loading Permit from Parking Services. The permit is free if loading/unloading will be less than 30 minutes, \$2.00 if between 30 minutes and two hours is needed, and \$4.00 if more time is needed.

Unpaid Violations

If you fail to pay or appeal a citation, one or more of the following actions may result:

1. Campus parking privileges will be denied.
2. Holds will be placed on registration and transcripts and diplomas.
3. With the accumulation of four or more unsettled citations, vehicles will be subject to a wheel-lock or tow.

Tips to a Ticketless Experience at USU

- Use the USU Shuttle Bus to get to and from campus. Parking at the Stadium is only \$10 per year, and the shuttle is easier, quicker and FREE.
- Know the rules and observe them.
- Park only in designated parking spaces.
- Park only in parking areas specified for use with your permit.
- Make sure your permit is hanging and visible.
- Do not use disabled-only areas for loading or unloading, even if the vehicle is occupied.
- Read and follow instructions on all signs posted at each parking area.
- Do not park over the space line, on sidewalks or lawns.
- Park at meters only for the allotted time.
- Remember, parking in the same manner as another illegally parked vehicle does not make you exempt from a ticket.
- Parking requires thought, consideration, effort, and perhaps a little extra time. Allow yourself that time.

We are here to help

The parking staff is available to help you at the Parking Office Monday through Friday 7:30 a.m. to 4:30 p.m. For general information call 797-3414, stop by our office or visit our web site.

Why major in French?

Have you ever wanted to travel to Canada, Europe, Asia, Africa, the Caribbean, Madagascar, Tahiti? Maybe you have dreamed of living even working in a different culture, seeing the world from a fresh new perspective, making new and exciting friendships, participating in the cultural delights of exquisite food, a relaxed lifestyle, seeing beautiful castles and churches and other carefully preserved monuments, and enjoying the benefits of the No. 1 health care system in the world. All of this is possible for students who major in French. French is the most widely

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French major

spoken language in the world next to English. It is one of the major languages at the United Nations. It is said that a person who can speak French and English can go just about anywhere in the world he/she wants to and not have serious difficulties with the language.

The French major is a four-year baccalaureate program designed to produce graduates who are competent in the language: able to speak, write, and read the language with ease and to function in a French-speaking environment. To become a French major, students need to complete two years of introductory language courses (French 1010, 1020, 2010, and 2020) or provide proof of equivalent language exposure (an LDS mission in a French-speaking country, coursework in a French-speaking coun-



Filling the stands

Romney Stadium is a popular place to be on Saturday afternoons during Fall Semester. The first home game is Sept. 9 against Southern Utah.



Fore! Cast

Never let it be said that a little standing water got in the way of a good game of golf, or even a few practice swings.

Political Science takes on the tough issues

Courses in Political Science at Utah State offer relevance, effective career preparation, and teaching excellence. If you seek these things in your university education, you should make political science a part of your university experience.

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Political Science

Relevance: The study of politics takes you to the heart of many of the burning issues of today: environmentalism; the emergence of new democracies; welfare reform; terrorism; Congressional gridlock; international peace-keeping; feminism; balancing the budget; the Mideast peace process; trade relations, to mention just a few. Our faculty is dedicated to helping you learn to think for yourselves about these kinds of issues. We'll teach you how to analyze data and to weigh arguments. We'll also make sure you have access to the best ideas and information available.

Effective Career Preparation: Political science opens many more doors than you might think. Our courses are valuable to anyone planning a career that requires writing skills, analytical thinking, working with people, or understanding large organizations. Students planning careers in government, law, business, communications, education, and social work should consider a political science major or minor.

In particular, students who plan to attend law school should enroll in the department's pre-law course.

In addition to academic training, the Department operates an extensive Internship Program which places about 45 students annually in internships with the Utah congressional delegation in Washington, D.C., Utah state and local government, lobbying groups, and think-tanks. Some of these are paid internships, but more importantly many lead to full-time positions after graduation.

Teaching Excellence: The Political Science Department takes pride in the quality of its teaching. Our faculty have won numerous college and university-wide awards for teaching and advising.

Political science classes make use of simulations, case studies, and the Socratic method, as well as traditional lecture and discussion techniques.

We expect you to read a lot, to write a lot, and to participate in class discussions. But in return we promise an educational experience that will provide lasting benefits. The Political Science Department office is located in Old Main Room 320 (phone: 797-1306).

Physics: Strong foundation for many careers, courses

Physics is the most basic of all the sciences. It strives to describe the most fundamental processes, in the simplest terms, making the fewest assumptions. Despite its pursuit of the fundamental, physics is also extraordinarily useful. The ideas of physics underlie all of the other sciences and engineering, and they form the foundation upon which a large portion of the world's economy is built.

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Physics

The Physics Department provides education at the Bachelor, MS, and PhD levels. We have nine tenure-track faculty, and a support staff of five. The Department's modern facilities are located in the Science Engineering Research (SER) building and include teaching and research laboratories, a walk-in consultation center open to all students taking a physics course, offices, meeting rooms, and a small library.

The Physics Department welcomes all students in its courses. Our undergraduate offerings include introductory courses required for majors by various departments, courses that are part of the University Studies Program, and upper level courses designed primarily to fulfill bachelor degree requirements in physics.

Examples of physics courses that serve the academic needs of students with many different interests and backgrounds are: Introduction to Physics by Hands-On Exploration (for elementary education majors), Physics for Technology (for ITE majors), and Elements of Mechanics (for some engineering majors). Courses designed specifically for University Studies include sections of Integrated Science (with the themes of Energy and Intelligent Life in the Universe); Introductory Astronomy; Great Ideas in Physics; Great Scientists; Chaos Under Control; and Nature, Art and Music.

What can you do with a degree in physics? Nationally, about a third of the students receiving a BA or BS in physics go on to graduate study in physics, astronomy, or a closely related discipline. (Holders of advanced degrees in physics have numerous options. Some find employment teaching and doing fundamental and applied research in academia or in industrial and national laboratories; others are hired as analysts by

financial firms or by high technology consulting companies.) Other physics majors opt to study law, medicine, dentistry, veterinary science, business, or philosophy at the graduate level. Still others find immediate employment as teachers, as laboratory and engineering assistants, as technicians in hospitals, as software designers, in computer chip manufacturing, and in the aircraft and automobile industries. Some become technical writers, and those with an entrepreneurial bent often start their own businesses.

In recognition of the many career trajectories open to a physicist, the Physics Department provides several flexible, yet rigorous, degree options designed to help its students realize their own aspirations. These programs include: BA in Physics, BS in Physics, BS in Physics with Professional Emphasis, BS in Physics with Applied Emphasis, double BS in Physics and Mathematics, BS in Physics Teaching, and BS in Composite Teaching-Physical Science (with the Chemistry and Biochemistry Department).

Because we believe that one must participate in discovery to understand science, we encourage undergraduates to engage in research in the Department early in their studies. The Department has active research programs in space science, atomic and molecular physics, electromagnetic theory, surface physics, theoretical gravitation and particle physics, nuclear and particle physics, physics education, and complex materials and dynamics. While these are primarily intended to embrace students pursuing MS or PhD degrees, undergraduates are welcome to become involved in any of these areas of research for academic credit. The Department's GAS Program provides excellent opportunities for students of all backgrounds to participate in space related research. Students in the GAS program design and build experiments to fly aboard the Space Shuttle

(USU has flown more GAS payloads than any other university) and aboard NASA's KC-135 microgravity flight trainer. (See <http://gas.physics.usu.edu/>)

Students interested in majoring in physics are encouraged to meet with the Department adviser as soon as possible to begin the advisement process. Please feel free to stop by the offices in SER250, call at 797-2857, or email to

"...students
are urged to
engage in
research
early in their
studies ..."

Increase your hiring potential with French

Continued from page 9

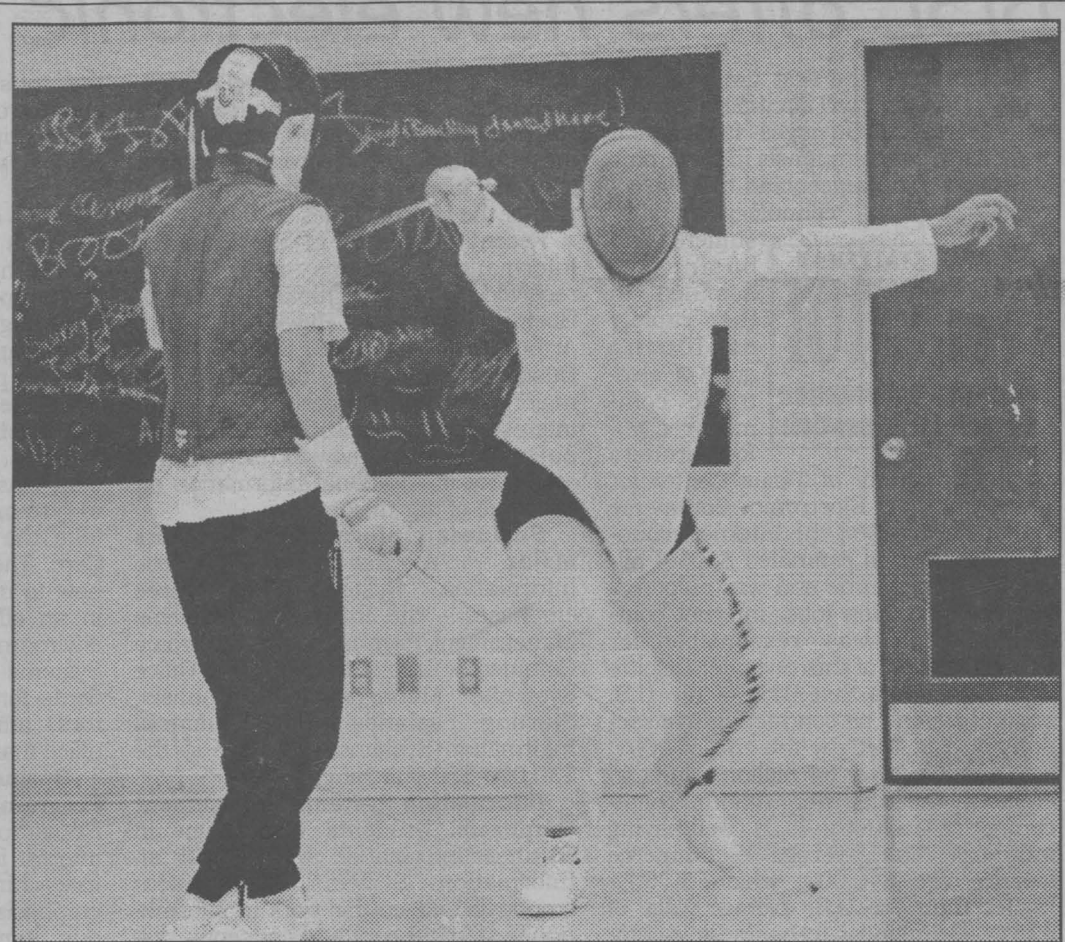
try, transfer coursework from other US universities, high school coursework, etc.) Then a student needs to complete 34 credits of upper-division work taking courses such as: French grammar, composition, conversation, civilization, literature, linguistics and phonetics, Business French, etc. The French teaching major, which requires 36 credits, prepares the graduate to teach French at the elementary and secondary level.

Career opportunities, however, are not limited to the education field. Other possibilities for employment include multinational corporations and other businesses who are looking for sales managers, executives, marketing specialists, personnel managers, accountants and finance specialists who speak a foreign language including French, the travel and tourism industry, the health professions, governmental agencies such as the Departments of State, Commerce, Agriculture, Defense and Interior, and other groups such as the United Nations, the Peace Corps and Vista. All these organizations are looking for people with French-language skills.

Graduates in architecture, engineering, international law, journalism, communications, advertising, library science, administrative systems and many other fields may increase their hiring potential if they have foreign language skills, especially in a language as widely spoken in the world as French. In fact a double major in French and one of these fields makes good sense for anyone entering the current highly competitive world-wide market.

In addition to the coursework offered on campus, students have the opportunity to study in France at the Institut Français des Alpes in Annecy, France. This optional program allows students to spend one or more months in the summer living with a French family, immersing themselves in the culture and enjoying the beauty and recreational activities offered by this city by a lake in the Alps while they earn 9 to 12 credits (more if they stay more than a month) which can be applied towards graduation at USU. Students also have the opportunity to participate in the USU French club which meets frequently to watch French movies, play French games, sing French songs, etc. At the end of the school year, the group goes to a French restaurant for a full authentic French meal.

For more information about the major and associated activities, please contact Prof. Janet C. Stock at the Department of Languages, ext. 1193.



Stick it to 'em

Student practice their fencing skills in the HPER. Fencing is just one of the many clubs that can be a part of a student's out-of-class experience.

Ecology Center conducts environmental research

The primary function of USU's Ecology Center is to coordinate and support graduate education and research in the science of ecology, and to provide professional advice to policy makers on matters affecting the environment. Like the Agricultural Experiment Station and Water Lab, the Center is an interdepartmental and intercollege program with a line-item in the University budget.



The Center allocates most of its appropriated funds to partial contract support of 19 faculty members and one part-time statistical consultant in five departments. The Center has no separate faculty independent of these departments. An additional 72 faculty members in these and other departments are considered part of the ecology community on campus.

Administrative staff of the Center includes Director Martyn Caldwell, Assistant to the Director Marvin Bennett, and Executive Secretary Coleen Sheehan. It is administratively responsible to a 3-member Deans' Council and seeks advice from a 7-member Faculty Advisory Committee.

Six participating departments — Biology; Fisheries and Wildlife; Forest Resources; Geography and Earth Resources; Plant, Soils, and Biometeorology; Rangeland Resources; and the Interdepartmental Watershed Science Unit confer graduate degrees in ecology. And they offer a rich curriculum of some 74

graduate courses in the ecology area. Around 70 graduate students in these departments work on ecology degrees in any one year. They are a very cosmopolitan group of students from all parts of the United States as well as such countries as Argentina, Australia, Austria, Chile, Peoples Republic of China, Iceland, Mexico, Morocco, Pakistan, Peru, and Zimbabwe.

An operating budget is used to assist in publication costs of ecology faculty and graduate students, provide some support for travel to national and international meetings for faculty and students presenting papers, maintain ecological research facilities near campus, and at Bear Lake, contribute to the cost of special research equipment and fellowship assistance for graduate students. The Center also sponsors a seminar series with monthly speakers of national and international standing who visit the campus for 2-day periods once each month of the semester. The Center maintains a fleet of 10 vehicles for field research projects.

Research projects themselves are supported by grants and contracts obtained by the faculty members in open competition with other scientists across the country. Some 71 research projects administered through the Center have an aggregate budget of around \$2.8 million a year, and support the graduate education of ecology students. The studies include such diverse topics as behavior of grizzly bears in Alaska, ecology of streams in California national forests, effects of elk on vegetation and animals in Yellowstone National Park, water flow from deep-rooted

shrubs to shallow-rooted grasses in the Great Basin, and ecology of threatened and endangered fishes in the Green and Colorado Rivers, effects of stratospheric ozone layer reduction in the Great Basin and in Tierra del Fuego, Argentina, marsh ecology and waterfowl habitat in Utah and Canada, and Colorado River and Grand Canyon hydrology and ecology, studies of wolf and coyote behavior and population dynamics, and productivity of mountain lakes in Idaho.

Ecology Center faculty are actively involved in professional advisory roles at the state, national, and international levels. Some faculty members advise the Governor on ecosystem management of Utah lands, others advise the state's Congressional delegation on wilderness issues and other ecologically related problems and various faculty members serve on committees, or are on advisory boards to the Environmental Protection Agency, The Jet Propulsion Lab, NASA, the National Science Foundation, U.S. Department of Agriculture, and the House of Representatives Subcommittees Parks and Public Lands. One faculty member is a past president of the Ecological Society of America, a professional society of 7,000 members.

USU has one of the largest ecology programs in the country and the numerous awards received by its faculty members and the strong reputation of its graduate students attest to the high quality of the program. The Ecology Center can be contacted by phone at 435-797-2555, e-mail ecol@cc.usu.edu, or the web site <http://www.usu.edu/ecology/eco-cntr.htm>.

BISE offers new electronic commerce emphasis

This fall, for the first time, departmental offerings will include a bachelor's degree in Business Information Systems with an emphasis in Electronic Commerce. The widespread use of electronic computer technology by consumers and businesses

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has led to the rapidly exploding area of electronic commerce. Researchers at the University of Texas Center for Research and Electronic Commerce found that in 1998 the Internet economy generated an estimated \$301.4 billion in U.S. revenue and was responsible for 1.2 million jobs. Internet commerce alone was responsible for \$101.89 billion of this revenue. Deloitte Consulting says that 91% of the U.S. businesses will be conducting transactions on the "Net" by the end of 2001. Furthermore, over 64 million adults go online in the U.S. every month. The e-commerce industry is a well-paying industry. The average e-commerce salaries are \$46,000, which is 50% higher than the U.S. average wage of \$28,000. Business-to-business e-commerce alone is a \$100 billion market a day, but Kiplinger Letter says this will be a \$3 trillion market in four years.

Members of the Business Information Systems and Education Department have been offering information systems classes for almost 20 years. Summer 1981 offerings in the department included the first class in Microcomputer Applications in Business. The information systems arena continues to change. Electronic commerce is one of these changes.

E-commerce is one of the most exciting fields in the rapidly developing area of computer technology. E-commerce textbooks are beginning to become available. However, professors will be developing their own materials in most instances. The field will change very rapidly, and we wish to keep up-to-date with these changes. For information about our electronic commerce emphasis in the bachelor's degree in Business Information Systems please go to our web site:

<<http://www.bus.usu.edu/bise/REQ.SHEETS.htm>>.

This site identifies course requirements for all programs in the department including the electronic commerce emphasis within the business information systems major and the electronic commerce minor.

All majors in the Department of Business Information Systems and Education are prepared for jobs in today's world of high technology. There continues to be a great demand for graduates in business information systems, not only at the master's degree

but at the master's degree level as well. In addition, graduates who certify to teach business education and marketing education are placed in excellent teaching jobs throughout the western part of the United States.

Recent graduates in the Business Information Systems major have received jobs at Thiokol, Citicorp, Boeing Aircraft, Hewlett-Packard, Arthur Anderson, EDS, Safeco, Moore Business Communications, and other major corporations in the U.S. Are you interested in a job working with computers or teaching how to use computers? Here is additional information on each one of our majors.

Business Information Systems Major.

A major in Business Information Systems has three emphases - the Information Systems Management Emphasis, the Electronic Commerce Emphasis, and the Office Systems Management Emphasis. Starting salaries for Business Information Systems majors are in the \$30,000-\$50,000 range.

Information Systems Management Emphasis.

Students who major in Business Information Systems with an Information Systems Management emphasis take course work in information systems theory and concepts, systems analysis and design, decision support systems, Local Area Networks, management of information systems, Internet, and various microcomputer systems, Internet, and various microcomputer applications classes. In addition, they take classes in "C" language, Java, and COBOL. They are required to take the common core of business subjects, as are all majors in the College of Business. Considerable emphasis is placed on oral and written communication skills. Those who complete the program generally receive jobs as applications programmers, systems analysts, information managers, information training directors, network administrators, systems operators, data planners, and other jobs related to information systems. (In a recent issue of Money magazine, information systems analysts were identified as the number two job opportunity in the U.S.)

Electronic Commerce Emphasis.

As mentioned previously, the Electronic Commerce Emphasis is a new emphasis. Many students in Business Information Systems were already getting positions in electronic commerce. Therefore, we decided to offer the Electronic Commerce Emphasis. In addition to the usual classes offered in business information systems, students receive extensive experience in front-end design of web pages and back-end web development tools including CGI, Perl, Linux, Visual Basic, and Visual Interdev. Students must also take classes in the marketing of e-commerce, and in their final business policy class

they must complete a business plan for an electronic commerce site. A required internship is part of the e-commerce emphasis as well as all undergraduate majors in Business Information Systems and Education. This gives the students a "head start" as they look for jobs in the field. Many of these electronic commerce jobs are still emerging including web design, internet management, application programming, and internet programming systems.

Office Systems Management Emphasis.

Those who emphasize Office Systems take microcomputer applications classes as well as an introduction to systems theory and design. They, too, take the AACSB College of Business Core. The emphasis of the program is how to manage technology and people in an office and end user computing environment. The program in Office Systems Management prepares students for jobs as systems administrators, administrative assistants, and office managers.

Business and Marketing Education Programs.

Business and Marketing Education students combine their interest in business with their interest in teaching. Business Education majors emphasize instruction in teaching various computer classes as well as accounting and other business subjects at the high school level. Marketing Education students take an in-depth emphasis in marketing so that they can teach marketing education in the public high school. Business and Marketing Education teachers' salaries range from \$25,000 to over \$30,000 for ten months, depending on the state in which they are teaching.

Business Education Program.

Students who prepare for bachelor's degrees in Business Education may decide after completing their programs to go into a business field or a teaching field. All business teachers take a core of certification subjects in the College of Education to allow them to certify to become public school teachers in the state of Utah. They have a good foundation in business and in teaching.

Students who complete the program in business teacher education are qualified to teach business subjects in the public schools such as microcomputer applications, word processing, spreadsheets and databases, economics, business law, accounting, business mathematics, and introduction to business. The Business Teacher Education program also provides classes in LAN management as well as Internet and the World Wide Web. Job opportunities for business teachers in the public schools of Utah have never been better. The business teacher education program at USU has a national reputation with many members of the department leaders in the profession. Requests for graduates of the program come from all parts of the western United States.

Marketing Education Program. The major goal of the Marketing Education program is to prepare graduates for employment as teacher coordinators for marketing and related business courses at the secondary (high school) level. The composite major in Marketing Education combines a business-marketing major with the necessary courses in education required for an individual to be a successful teacher in the field. Each teacher coordinator serves an important role as advisor to the local D.E.X. (Delta Epsilon Chi) chapter. The Marketing Education program at USU is one of the most outstanding in the West with a nearly perfect placement record for graduates. Over the last ten years, graduates have accepted teaching positions throughout the Intermountain West and the western part of the United States.

Some students wish to work as trainers in business and industry. There is an option in both the Business and Marketing Education programs for careers in training and development in business and industry.

Office Systems Support -- Associate of Applied Science Degree.

The Office Systems Support Associate of Applied Science degree is designed to provide two years of college to prepare administrative level office workers or to provide job-proven office skills to complement other four-year programs. Many students who complete the two-year Office Systems Support Associate of Applied Science degree stay on campus and use their skills, especially their computer skills, to work their way through college to a four-year degree or, in many cases, a graduate degree. Office workers are the fastest growing segment of the labor force, and present and future job opportunities are excellent for office workers with good technology skills. All classes in the program can be applied directly in the job market or towards a four-year degree.

Graduate Programs

Master of Science. Students who wish to pursue a Master of Science degree may also pursue an option in Information Systems Management, Business and Marketing Education, or Training and Development.

Ph.D. and Ed.D. Degrees. The Department of Business Information Systems and Education offers, through the interdepartmental doctoral program in the College of Education, the Ph.D. or Ed.D. degree with emphases in Information Systems Management, Business or Marketing Education, Training and Development, or other areas of business.

Members of the Department of Business Information Systems and Education care about you, the student, and will help advise you through your program as well as assist you with your career goals. For more information, call 797-2342.

College of NR: Environmental conservation

The management of our natural resources and environment is of concern to all people. Finding an acceptable balance in the use of natural resources for recreation, commodities, or wildlife while protecting ecosystems is a challenge for present and future generations. Students majoring in any of the natural resources fields of study accept that challenge, dedicating their education toward the goals of promoting sustainable, healthy ecosystems.

The curricula of the College of Natural Resources (CNR) prepare men and women for positions with the federal government, state agencies, and private industry in the management and conservation of natural resources. Programs are designed to promote understanding of local, national, and world environmental issues and the scientific, social, and political foundations for solutions that balance sustainable resource use, local community cultures, and long-term environmental considerations.

Students may choose from several CNR majors that develop an area of specialization and enable them to address a wide spectrum of conservation and environmental issues. The Department of Fisheries and Wildlife offers undergraduate specialization in wildlife or fisheries, problem wildlife management, and conservation biology. Rangeland Resources prepares students for careers in sustainable land management. Emphasis areas include ecology, restoration, stewardship, and resource specialist. The Department of Forest Resources offers degrees in forestry, recreation resource management, and environmental studies. The Department of Geography and Earth Resources offers degrees in geography and geography teaching, with emphases in physical or human geography, remote sensing, geographic information systems, and rural development. The interdisciplinary Watershed Science Unit allows specialization in hydrology, ecology, management, and policy.

In addition to on-campus courses, the CNR offers

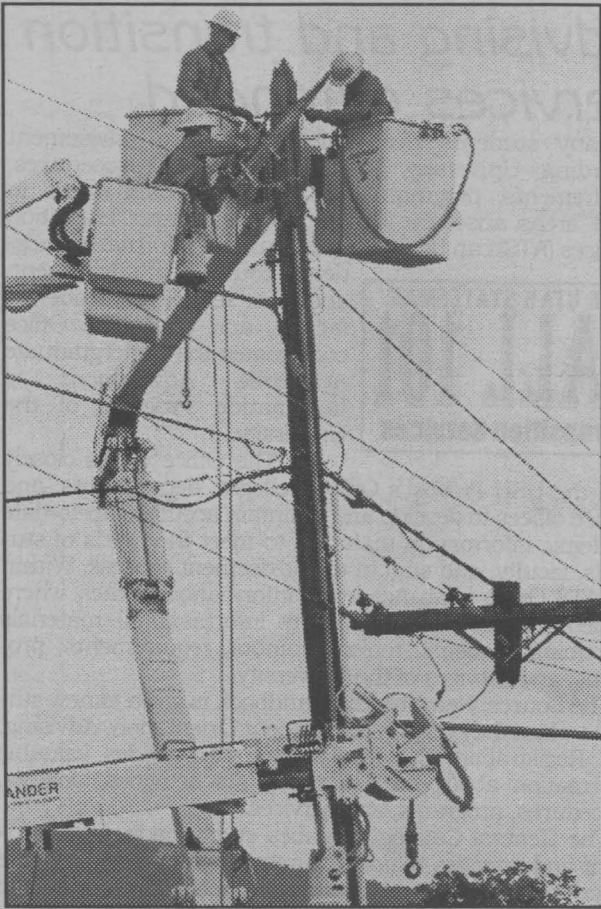
many opportunities for out-of-classroom learning. One of the most popular has been forestry summer camp, an intensive four weeks of outdoor instruction in surveying, natural resources inventory, map reading, and related uses of wildlands.

Student-to-student interaction is encouraged by five CNR student clubs, all with national affiliations. The clubs coordinate activities with each other as well as with faculty, creating a blend of fun and professionalism that enhances a student's education.

Another feature of the college is its academic service center located in NR 112. This office serves as an information center for the college, providing details on careers, graduation, curricula for CNR majors, scholarships, academic records, and general assistance. They also provide job announcements, ranging from temporary summer employment to permanent upper-level government jobs. There are often more natural resources summer jobs available than students qualified to fill them.

CNR students also benefit from having access to the Quinney Natural Research Library. This facility provides natural resources materials that complement the sources available in the Merrill and Sci Tech libraries. Most reserve materials for CNR classes are available in the Quinney Library.

The College of Natural Resources is situated in an ideal location to study all areas of natural resources and the environment. It offers classes for both CNR majors and nonmajors to help develop a concern for and an understanding of principles of sustainable ecosystem management. Consider taking some of its University Studies courses, such as NR 1010, Humans and the Changing Global Environment; NR 1130, Physical Geography; NR 2340, Natural Resources and Society; FW 1200, Biodiversity: Its Conservation and Future; or FW 2200, Ecology of Our Changing World.



Power to the people

A power crew repairs a line near USU to keep electricity flowing.

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Computer Science

Department is a growing, dynamic department. It is one of only two computer science programs in Utah that is accredited by the Computer Science Accrediting Board of the Association for Computing Machinery and the Computer Science Accrediting Commission of the Institute of Electrical and Electronics Engineers. If you are interested in a dynamic career which is at the forefront of new technologies, or in enhancing another career choice, you should examine computer science.

For undergraduate majors, three degree options are offered. The science option is for those who wish to work as computer scientists with an emphasis on scientific applications of computers. Graduates in this option are working for companies such as IBM, DEC, Hewlett Packard, Evans and Sutherland, and Novell. The information systems option is for those who wish to work as computer scientists with an emphasis on the manipulation and retrieval of information. This option includes a significant amount of course work from the College of Business. The combination of this bachelor's degree with an MBA serves as an excellent foundation for future advancement in the business world. The digital option is for those students wishing

an emphasis in the software and hardware aspects of digital system design. Finally, in most instances, the Computer Science degree requirements offers sufficient flexibility to accommodate the needs of students with more specific degree or career goals.

An important trend in industry today is to allow for more flexibility in work scheduling and location through techniques such as telecommuting (working at home and communicating with the office by computer/modem). No other degree is better suited than Computer Science to such a work schedule. The greatest entrepreneurial success stories of the last 15 years have been in computers. If your interests are in such endeavors there is no better degree on which to build.

Don't be fooled. Other majors may claim to give you similar or equivalent computer skills. They do not. If you wish to check out career opportunities, go over to the placement center and examine hiring statistics. Starting salaries for BS computer science graduates average in the upper \$50,000's. For MS graduates, salaries in the \$50,000's are the rule. Signing bonuses of 20-25% of the starting salary, along with stock options, for undergraduates and graduates are common.

In addition to the standard four-year baccalaureate degree, the department offers a five-year BS- plus-MS degree. The relatively short extra time to acquire a graduate degree coupled with the availability of financial aid during graduate school make this a particularly attractive option.

If you have already chosen a major, and wish a minor which will strengthen your major and increase your job opportunities, computer science is an excellent choice. In fact, computer science is the best minor for almost any major. Career opportunities for any undergraduate major from music to education to engineering are enhanced with

a minor in computer science. Contact the Computer Science Department for specific course requirements for a minor.

In addition to opportunities and courses for majors and minors, the Computer Science Department offers many courses for students whose needs are less specific. The Computer Science Department's CS1010, Foundations of Computer Science, is a new course designed to help students to not only pass the Computer and Information Literacy (CIL) exams, but learn much more about computers and computer science. This course gives you an introduction to computers, programming, word processing, spreadsheets, database management, the on-campus DEC computers, hypermedia and the Internet. In addition to gaining computer expertise, which will be invaluable to your college and professional career, this is the only USU course geared to the CIL exams that also counts as three credits of breadth (physical science) in University Studies. For those seeking to become "computer literate" and fulfill their University Studies physical science requirement, CS1010 is the best choice. If you are interested in a single semester course in a specific programming language, the department offers three such classes; namely CS3410 (Java), CS3500 (Visual BASIC), and CS3510 (COBOL). Both CS3500 and CS3510 qualify as quantitative intensive classes for University Studies. If you want to learn how to program applications for the World Wide Web, CS3410 is the course. In addition to these classes, CS1700 and CS1720 give the student an in-depth understanding of C++.

The faculty and staff of the Computer Science Department are available to discuss your career and course goals. The department office is located on the fourth floor of Old Main, Room 414, or call 797-2451, and the secretary will direct you to an adviser.

terms, not only at the master's degree and in their final business policy class, graduates in business information systems, classes in the marketing of e-commerce, rates of the program come from all career goals. For more information, call 797-2342.



High and tight

USU always has a competitive softball team, even past national rankings to their credit. A new softball facility is located just north of Romney Stadium for home games.

Learn more about yourself, others

Varied courses in Sociology, Social Work, Anthropology

Are you interested in crime? Drug use? African cultures? Cities? Rural peoples? Problems of the environment? Law and society? Demographics and markets? The Department of Sociology, Social Work and Anthropology has all this and much, much more.

This is a department with three different majors which can introduce you to a range of topics from international development to archaeology, to social welfare and minority groups.

Sociology is an invaluable major for students planning careers in criminology, business (especially demographics), public administration, gerontology, social psychology or community planning. It provides a useful background for those planning to enter law, business, medicine, social work, architecture and even politics.

Sociology is the study of human group life, which includes analysis and understanding of gender roles, social movements, social change, family patterns, the criminal justice system, and the relationships of humans to the ecosystem. Society and culture are so much a part of our lives that many people take them as "given", and never question, much less try to understand, society. Yet we are all aware that "conventional wisdom" is often misleading. Sociology probes beneath the surface of culture to discover the basis of society and the reasons for both "normal" and "deviant" behaviors in and among human groups. For further information about Sociology and about employment opportunities in the field, contact Dr. Gary Madsen, 797-1233, Main 216F.

Anthropology is the integrated study of humans in all their aspects.

Straddling the humanities and the sciences, the biological and the cultural, anthropology offers a broad framework for understanding humanity as well as providing context for many other disciplines. Courses cover subjects such as human biological-behavioral origins and evolution, human communication, origins of civilization, the biological and cultural aspects of race, international development, the archaeology of Utah, sex and gender, past climate and environments, and cross-cultural approaches to health and disease. Anthropology offers a major and a minor, and makes an excellent double major with Biology, Environmental Studies, English History, Geography, Geology, Language, and Sociology. USU anthropology graduates work in the foreign service and international development, health care, international education, museums and heritage tourism, land managing agencies, and the environmental-cultural resources industry, to name only a few. USU anthropology is a close-knit program featuring opportunities for hands-on experience including the undergraduate teaching fellows program, participation in the College Rhetoric Associate Program, the Applied Anthropology Practicum, the Archaeology Field School, labs in human osteology and bioarchaeology, and the Museum of Anthropology. For information contact the Anthropology Peer Advisor, Cameron Hatch, Main 245, 797-0219, or Main 245A, 797-4064.

The social problems associated with poverty, crime, housing, health and employment are as pressing as ever. Americans continue to be concerned about poverty, child abuse, crime, and mental illness. Social

work is the profession which has developed an institutional response to the demand for social justice, civil rights and adequate standard of living, freedom from abuse, and fair working conditions. Historically social workers were involved in the passage of child labor laws and civil rights legislation. They have been a major force in the treatment of mental illness. The social work profession has its own body of knowledge, code of ethics, practice standards, credentials, state licensing, and a nationwide system of accredited education programs. These equip the professional social worker to combine the desire to help others with knowledge, skill, and ethics needed to provide help. For sheer variety, social work offers the broadest range of occupational opportunities and settings. Social workers are found in public agencies, private businesses, hospitals, clinics, schools, nursing homes, private practices, police departments, courts, and countless other interesting workplaces. Apart from the satisfaction derived from contributing to the national general welfare, social workers enjoy occupational stability and are in demand. Questions regarding a career in social work should be addressed to Dr. Diane Calloway-Graham, 797-2389, M239D.

Each of these three majors has a distinct focus, but the topics and methods of research are closely integrated. Courses in all three majors can be used for General Education, Liberal Arts and Sciences, or elective coursework, as well as for a major or double major. A Secondary Education certificate is also available with the Sociology major as are certificates in gerontology and a law and society-area studies curriculum.

Advising and transition services extended

Many students need information and advisement regarding University academic policies, procedures, requirements, programs, and services. When needs in these areas arise, the Office of Advising and Transition Services (ATS) can be a valuable source of information, academic counseling, advisement, and other services for students, faculty, and staff. The Office coordinates the undergraduate Academic Advisement / Information Program of the University.

The Office works closely with the USU Provost's Office, colleges, departments, and service offices to develop and maintain accurate up-to-date academic information materials to meet the needs of students, faculty, and staff in the advisement process. Within the ATS Office is an Academic Information Center, where students have access to many informational materials describing academic majors, minors, requirements, programs, and services of the University.

The Source: New Student Handbook is given to new students when they register for Student Orientation, Advising, and Registration (SOAR). The Source provides valuable information about the University, its activities, policies, procedures, programs, and services.

The General Catalog describes every academic department and provides major requirements, along with course descriptions for every course taught at the University. The General Catalog is available in the USU Bookstore and on the ATS website listed below.

The Advisor Handbook is updated yearly and given to all academic advisors on campus. It provides more specific details on some University policies to assist advisors in providing accurate and up-to-date information to students.

Major requirement sheets are available for each undergraduate major. These guides outline the major program of study and specific course requirements which must be completed in order to graduate. The ATS Office has also compiled a planning and progress guide (Plan Now), offering instructions on how to plan semester schedules and providing the student with a means of determining how he or she stands at all times with regard to graduation requirements.

Students with particular academic problems may go to the ATS Office to find out which offices can provide necessary assistance. The Office can also provide assistance in locating advisors in a particular college or department. General advising services are offered to students who simply need advice about a particular academic problem. The ATS Office works closely with colleges and departments to ensure that students communicate with the advisors, faculty members, or administrators who can best meet their individual needs.

The ATS Office can provide information to students who transfer to USU. The Office serves as a clearinghouse for individual course articulation agreements between USU and other institutions.

Transition Services are offered to assist students in their transition to and from USU. All new students are required to participate in the Student Orientation, Advising, and Registration (SOAR) Program. Academic orientations are available on an individual or group basis, assisting students with class scheduling, information, and registration. Other programs sponsored by the Office include Parents Weekend, Mothers Weekend, and Senior Success. Parents Weekend for fall semester is September 29-30, 2000. Various activities will be held in conjunction with USU Homecoming activities. All students are encouraged to invite their parents to participate.

For additional information, visit the ATS website at <http://www.usu.edu/acaserv/ATS> or contact John Mortensen, Director, Advising and Transition Services, TSC 302, telephone 797-1128.

FHD: Preparation for lives and careers

Family and Human Development (FHD) is a versatile major. It covers marriage and family relationships as well as infancy to aging and all ages in between. Studying Family and Human Development prepares graduates to work in job settings that serve individuals at all ages of the life span and all types of families.

Courses in FHD address individual and family developmental patterns. Major courses cover development from birth to death, marriage and family, family diversity, human sexuality, guidance of children, abuse and neglect, and family crises and interventions. Additionally, in Early Childhood Education, students may choose to focus on learning how to prepare and implement preschool curricula. Students may also choose to learn about providing services to families and individuals and complete a practicum experience in an agency off campus, obtaining valuable job experience. A major bonus of a degree in FHD is to better understand one's own family back-

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ground, and to prepare for marriage and parenthood.

Employment opportunities are as diverse and inviting as the major. Graduates find job opportunities in state agencies, Head Start programs, preschools, nursing homes, hospitals, parent education programs, residential treatment centers, youth programs of all types, and mental health settings. A bachelors degree in FHD is also a stepping stone to graduate programs focusing on human development, family studies or marriage and family therapy.

Learning to understand and work with people is an important part of most careers, and FHD majors find that people skills help them in whatever direction their lives take.

The Department of Family and Human Development offers a bachelors degree with either an emphasis on Human Development or Marriage and Family Relationships. The Human Development emphasis requires that students spend one semester practice

teaching in the Adele and Dale Young Child Development Laboratory. The Marriage and Family Relationships emphasis requires that students complete a practicum experience in an agency that provides services to individuals or families. An Early Childhood Education major is offered cooperatively with the Elementary Education Department.

The Gerontology Certificate is administered in FHD, and students from any department at USU may complete a gerontology certificate. This requires course work focused on understanding the influence of the aging process on individuals and families. Students complete a required core of courses and choose electives within their area of interest, then complete a practicum experience off campus where they can apply their knowledge of aging within their major area of interest. At the completion of the requirements, they are awarded a gerontology certificate — an important recognition for those interested in a career within the growing aging-related field.

Graduate opportunities within the Family and Human Development Department are also noteworthy. At the Master's level, students may study marriage and family therapy in a nationally accredited program. In addition, both Master's and Ph.D. programs are available in infancy and early childhood, adolescence, aging, and family relationships. Graduates of these programs are found in many types of careers, including therapy settings of all types, state extension programs, public and private agency administrators, and university faculty positions all across the country.

Whether you take FHD courses for personal understanding, or plan to work in an agency or university, in Family and Human Development you can prepare for a life-time of fulfillment. For information about the FHD undergraduate program, contact Susan Ericksen, 797-1593; for Early Childhood Education contact Shelley K. Lindauer, 797-1532; for the FHD graduate program, contact Randy Jones, 797-1553; and for Gerontology Certificate information contact Kathy Piercy, 797-2387. You can stop by FL 214, or visit our web page at www.usu.edu/~famlife/fhd.

Enrich your life with a minor in Classics

Classics is the study of the ancient world, encompassing Greek and Roman history, art, literature, philosophy, and many other areas as well as the ancient languages. USU has recently added a minor in Classics, sponsored jointly by

the Departments of History and Languages and Philosophy. The Classics minor requires completion of a total of 21 hours in variable combinations drawn from core courses in the Departments of Art, English, History, Languages, and Philosophy, Political Science, and Theater Arts. Three areas of emphasis are possible: Civilization, Latin Language, and Greek Language. Below are just a few of the careers for which Classics provides valuable training:

Teaching: A classics minor will equip students with a depth of understanding that will be invaluable in their own classrooms, whether they teach English, history, philosophy, literature, civilization, art, mythology, or modern languages. Understanding the tradition behind these subjects allows the teacher to answer a much wider range of questions and make more meaningful presentations of their subject matter. State-wide the Classics minor helps fulfill the increasing need for high-school Latin teachers. Currently, nine Utah high schools

offer Latin language.

Law: As western law is steeped in Roman

Jurisprudence, so is legal vocabulary steeped in Latin. Such terms as *habeas corpus*, *nolo contendere*, *prima facie*, *corpus delicti* and *amicus curiae*

are part of the everyday Latin vocabulary of practicing lawyers. Furthermore, understanding the classical tradition provides valuable background for the future attorney.

Medicine and Pharmacy: For over a thousand years the lan-

guages of medicine and pharmacy were Latin and Greek. Today, a knowledge of Latin and Greek can provide a pre-med student or student nurse with the winning advantage in increasingly competitive medical school studies.

Ministry: Latin, together with Greek and Hebrew, is the language of Judaeo-Christian thought and tradition. Every serious student of the New Testament eventually studies Greek so that the New Testament can be read in the original. Understanding of ancient philosophy and history is also a valuable tool.

Journalism: The ability to communicate with an extensive

vocabulary and a thorough command of English is essential to success in journalism. The ancient languages sharpen writing skills like little else.

Archaeology: To a working archaeologist specializing in the ancient civilizations, a reading knowledge of Latin and Greek becomes an indispensable tool.

Linguistics: In this field, Latin and Greek are two of the most significant of all Indo-European tongues.

Ancient History: Any serious student of ancient history will have to be able to read the sources in their original languages, Latin and Greek.

Art, Literature, and Drama:

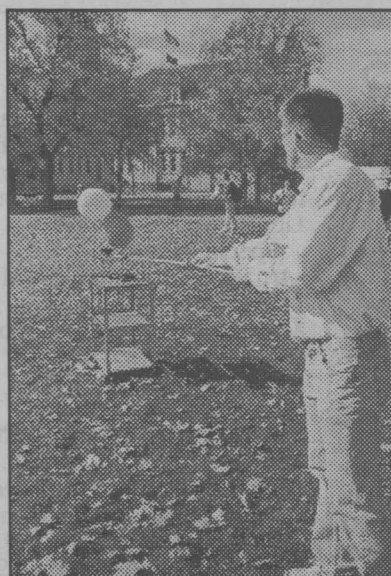
In college the student will quickly realize just how much of our civilization has been influenced by the classical tradition. The classics minor will help student appreciate the countless historical and mythological allusions which are encountered in all of the fine arts. This emphasis on the appreciation of classical arts mirrors Utah's cultural values, as represented by the state's outstanding representation of the fine arts, opera, ballet, and especially drama.

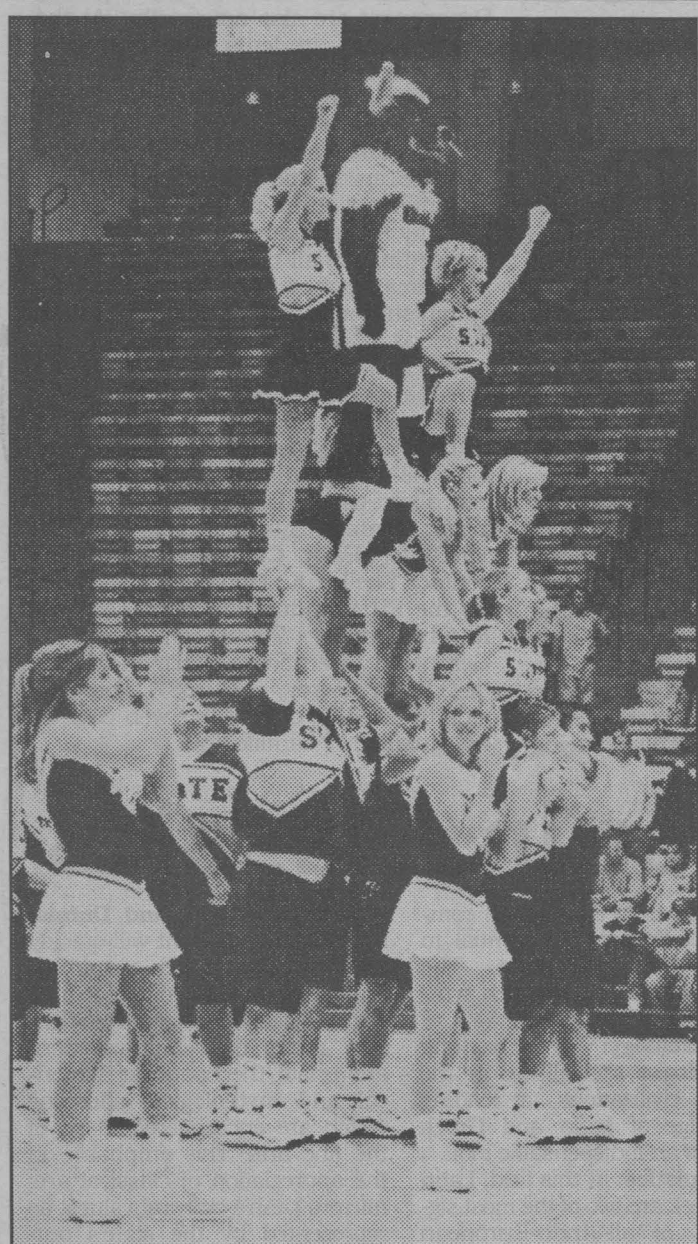
Consider a minor in Classics for a stimulating and practical addition to your major studies.

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Easy as 1-2-3

An experiment of sorts comes off as planned on The Quad. Usually, though, The Quad is reserved for more tranquil student activities, like lounging, resting, Frisbee and such.





Give us an 'A'

The USU Cheer Squad builds a pyramid and enthusiasm during home sporting events, such as a basketball game in the Spectrum.

Think about bicycle safety

At USU, bicycle safety is part of the University Walkway Safety Policy.

Purpose

Walkways for pedestrians are the principle means of travel between buildings and activities on the central campus. People should be able to walk on the campus without being threatened by wheeled vehicles. Where possible and practical, the university will provide a safe environment for persons walking on campus and will minimize hazardous conditions.

Bicycles traveling and parking on walkways compromise the safety of pedestrians. The purpose of this article is to educate those members of the University community who operate bicycles on walkways so they may do so in a safe and responsible manner.

Definitions

Operator - a person operating a moving vehicle.

Pedestrian - any person standing, sitting, reclining or moving within the Pedestrian Zone.

Pedestrian Zone - an area officially designated as the Pedestrian Zone (please refer to maps which can be found at the Parking Office).

Vehicle - any apparatus or equipment used to transport personnel and/or goods to include, but not limited to cars, trucks, skateboards, rollerblades, bicycles, unicycles, ATVs and golf carts.

Walkway - any horizontal concrete ground surface or paved surface other than designated roads, service docks or parking lots within the Pedestrian Zone.

Policy

In 1997, the Utah Legislature passed House Bill 196 which requires that: "a person operating a bicycle or any vehicle or device propelled by human power shall yield the right-of-way to any pedestrian and shall give audible signal before overtaking and passing a pedestrian. A person may not operate a bicycle or any vehicle or device propelled by human power in a negligent manner so as to collide with any pedestrian or another person operating a bicycle, vehicle or device propelled by human power."

The University Walkway Safety Policy implements House Bill 196 at Utah State University and establishes requirements for human powered and motorized vehicles to promote safe conditions for pedestrians.

Pedestrian Zone Established

A Pedestrian Zone has been established where the operation of bicycles on walkways will be limited. Bicycles may not be ridden on any walkway within the Pedestrian Zone during scheduled class breaks between 7:30 a.m. and 2:30 p.m. on normal class days. Class breaks on Mondays, Wednesdays and Fridays are fifteen minutes each hour beginning at fifteen minutes past the hour. Class breaks on Tuesdays and Thursdays are fifteen minutes every one and a half hours beginning at 8:45 (8:45 - 9:00; 10:15 - 10:30; 11:45 - 12:00; 1:15 - 1:30). Since bicycles share many characteristics of automobiles, they should use roadways wherever possible.

Permits

Every bicycle parked or ridden on university property must display a university bicycle permit. This permit may not be transferred.

To receive a permit, go to the Parking Office, 1151 East 700 North. The operator must sign a brief statement acknowledging understanding of this policy and agreeing to operate their bicycle in accordance with the policy. The cost of the permit is \$1.

Enforcement

Moving Violations

Operating a bicycle on walkways in an unsafe manner constitutes a threat to pedestrians. The University Police will patrol the walkways of the campus and issue citations to offenders. Violators will appear in the Logan City Justice Court until a University Judicial System is established.

The crosswalks along 700 North are included in the pedestrian zone. All bicycles must be WALKED across the crosswalks. Signs have been placed on the roadway to remind you.

Parking Violations

Designated bicycle parking areas are available near most buildings on campus. Make sure your bicycle is always locked when not in use. Bicycles parked in any location other than authorized parking facilities or stalls will be in violation of this policy. Any bicycle that impedes pedestrian traffic or access ways will be subject to impoundment and fines according to current parking fine schedules. Any citations issued are considered university violations and may result in administrative sanctions (i.e. registration and transcript holds, diploma holds and/or additional fees).

For further information, contact Parking and Transportation Services, 797-3414.

Get top know USU libraries

Welcome to the University Libraries your campus source for information needs and study space. Whether you are seeking journal articles, instructional videos, historic photographs, a map of Illinois, or the latest news from Moscow, the libraries are



where you begin your information search and find the latest access tools. Audio Visual Services is located in Sci Tech, along with the materials that generally support agriculture, science, engineering and natural resources. In addition to books and journals, you will find computer databases of information, interlibrary loan services,

study rooms, copy centers, computers for student use, and a host of other services-including professionally trained librarians who can help you find the information you need.

The Libraries house collections of over 1,200,000 volumes. Using the Library's Gateway system, you can find the books you need as well as citations for many recent journal articles - all in a single sitting.

A Libraries Gateway terminals and Reference service desks are located in both buildings, ready and waiting to provide assistance with your research needs. Don't hesitate to ask at the Reference Desks or the Circulation Desks for assistance.

LIBRARIES HOURS

Fall and Spring Semester hours

Monday-Thursday: 7 a.m. - 12 midnight

Friday: 7 a.m. - 6 p.m.

Saturday: 11 a.m. - 7 p.m.

Sunday: 11 a.m. - 12:00 midnight

During semester breaks, final examinations, holidays, and summer sessions, hours are posted at the entrance to the Libraries.

Special Hours

•Art Book Room (non-circulating) L345, 797-2749.

Monday-Thurs: 8 a.m. - 9 p.m.

Friday: 8 a.m. - 5 p.m.

Saturday: 11 a.m. - 3 p.m.

Sunday: 4 p.m. - 8 p.m.

•Art Books (regular) L347; Regular Library hours

•Circulation and Reserve, 1st floor; Regular Library hours (Merrill 797-2633, Sci Tech 797-2913)

•Computer Lab, L404 (797-3556) and STL002 (797-2909); Regular Library hours but close 15 minutes before Library

•Fife Folklore Archives, L104, (797-2869)

•Government Documents, 4th floor Merrill; Regular Library hours

•Interlibrary Services, L223, (797-2680)

Monday-Friday 8 a.m. - 5 p.m.

•Library Director's Office, L115 (797-2631)

Monday-Friday 8 a.m. - 5 p.m.

•Map Collection, 4th floor Merrill

Monday-Friday 8:30 a.m. - 4:30 p.m.

•Microforms, 2nd floor Merrill

(797-2894) Regular Library hours

•Reference Service Desks, Merrill (797-2678) and Sci Tech (797-2917).

Monday-Thurs: 8 a.m. - 9 p.m.

Friday: 8 a.m. - 5 p.m.

Saturday: 1 p.m. - 5 p.m.

Sunday: 4 p.m. - 8 p.m.

•Special Collections and Archives, L143 (797-2663)

Monday-Friday 8 a.m. - 5 p.m.

Saturday: 1 p.m. - 5 p.m.

Sunday: Closed

Experience other cultures through ISS programs

If you're ready to experience another culture, a world of opportunity stands at your doorstep.

International students comprise almost 5 percent of the USU studentbody. Over 800 students from 82 countries attend USU each year. These students offer USU students and faculty

and the community a unique opportunity to learn of the people, cultures and conditions in many difference countries.

The Office of International Students and Scholars (ISS), TSC 313, functions to help international students adjust to life at USU, and to organize programs that will involve the students in the university and the community. The ISS assists students with legal, immigration, academic and personal problems that arise.

To help students adjust to life at USU and in the United States, a variety of programs are available to the foreign students. American students are also invited to participate in all of the activities.

A volunteer program is in place to help arriving international students travel to Logan from Salt Lake City, find housing and settle in. A full-day orientation session is held to assist the students with registration and all of the processes necessary to start classes at USU. Various community and university groups are also involved with a welcome party and assisting the students.

International students participate in various programs organized through the ISS and the International Student Council (ISC). In some

years more than 300 international students presented programs to over 3,000 people in the Logan area through schools, clubs, churches and community

organizations.

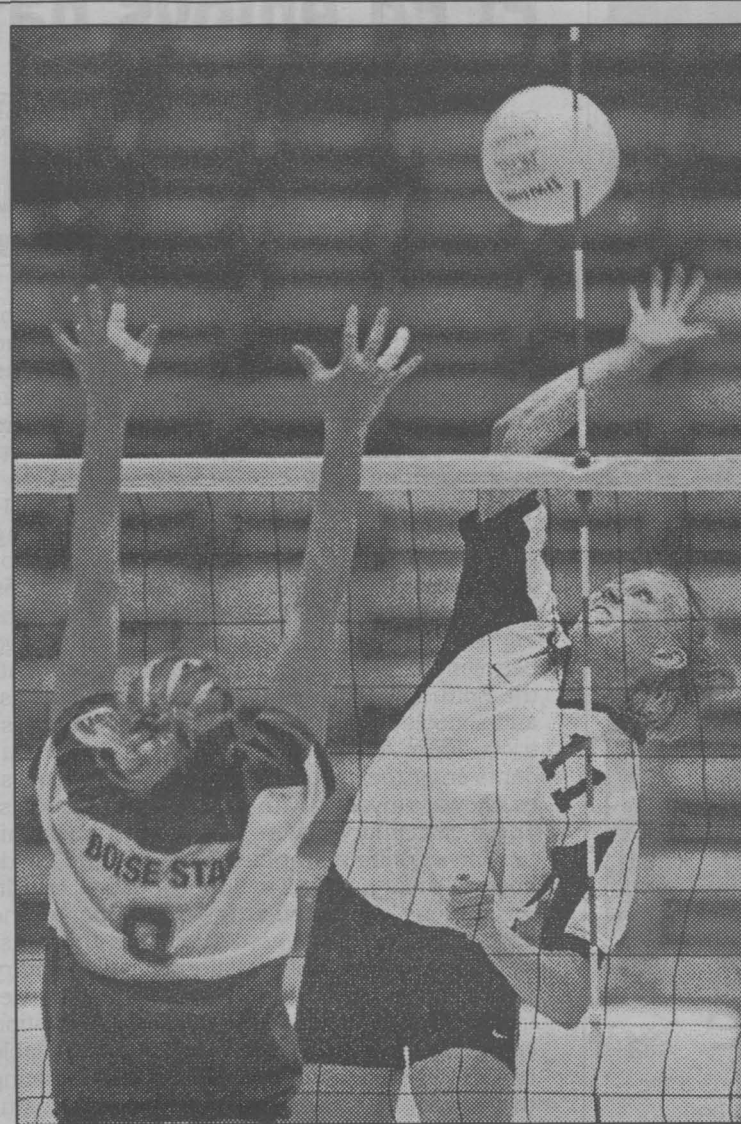
The ISC represents the interests of international students on campus and

is organized under ASUSU. Their office is located in TSC 313 and their phone number is 797-2764. The council sponsors activities for the students, and carries out such programs as International Women's Day, World Festival Week, trips, weekly tea parties, and many other activities.

A home visit program is available for international students who express an interest in visiting an American home. Arrangements are made to invite the students into homes for dinner.

International students also organize groups representing their own countries when there are large numbers of students from the

same country. The student organizations provide support groups and social contacts with other individuals of like ethnic or national interests. These groups promote their own



In your face

A USU volleyball team member gets set to spike a point against Boise State. USU made marked improvement last year to become a top-level team in the Big West.

national observances and help provide programs for the community. The American International Relations Council (ARC) involves and encourages American students to interact with USU international students through its Peer Mentoring Program. ARC provides volunteers for English conversations classes, sponsors a welcome party each semester and provides American students to help international students become familiar with USU.

The International Friendship Committee, a group of volunteer women from the community, provides a weekly program for the wives of international students.

Flags available for loan and a semestrial newsletter are just a few additional services offered through the ISS.

All of these programs are available to help the international student adjust and become involved at USU and in the community, and for faculty and students to get to know the international students. It is still important to remember that individual friendships are the kinds of relationships that can promote international understanding. Faculty and students reaching out will help international students succeed, feel at home, and return to their countries with a positive image of USU and the United States of America.

If you are interested in hosting a student in your home, would like to have a talented group or individual present a program for your group or would enjoy being a volunteer to help international students adjust to USU, please call 797-1124.

LASP: Success in the 21st Century

Coursework recommended by many majors

USU prides itself on its commitment to undergraduate education. In the majors, we challenge you to do your best. We are nationally unique in also offering you a way to use your general education requirements to prepare yourselves for the twenty-first century.

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Liberal Arts & Science

This way is the Liberal Arts and Sciences Program (LASP).

LASP is required or recommended by many USU

majors, because they know you will be graduating into a national crisis of confidence about what the college diploma means. American leaders ranging from the chief executive of the Mobil Corporation to national security advisers to the Harvard MBA program to many medical schools to the Carnegie Commission believe that American colleges need to offer students more preparation for success - that students need to learn technical skills but also how to think independently, communicate effectively, understand the sciences and the liberal arts, bridge disciplines, and appreciate culture. These national leaders also say that because what counts as information is changing so fast, universities should go beyond teaching information to teaching how to learn and keep learning.

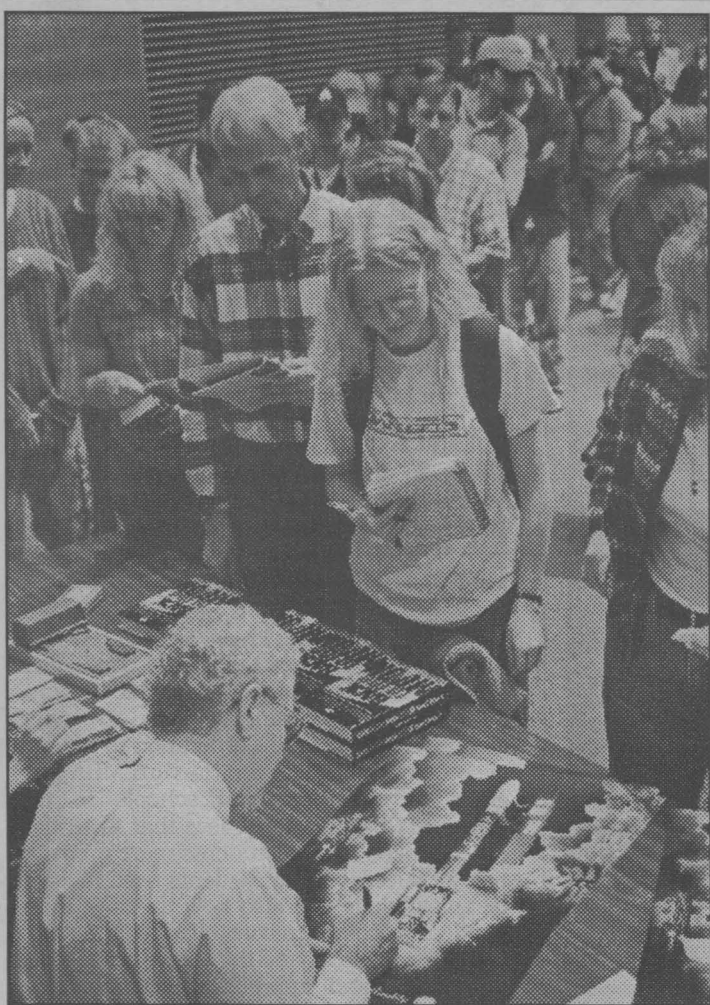
Through LASP, Utah State University addresses these concerns in a nationally unique way. While other universities have some sort of general education requirements, LASP by design offers USU students a way of using your 'Broadening Knowledge' general education requirements to become the kind of educated person we're told you'll need to be.

The Program is special. It has won national awards from science as well as humanities organizations. One way for you to explore it is to enroll in our orientation course, LAS 2020, Pathways to Knowledge. Some of the best scholars on campus teach it. You ought to register for it fast because although it's offered year-round, it fills quickly. Another way to explore LASP is through cluster courses. LASP requires two clusters, interdisciplinary groups of courses which focus on a significant theme. So far, five clusters have been developed - Beauty: What Pleases and Why; Civilization; Science and Society; Future Environments; and Matter and Spirit.

On conclusion of the Program, you not only complete your general education requirements, but you also get an Area Studies Certificate - and, we hope, a broad interdisciplinary love of learning. Beyond the Area Studies Certificate, LASP also offers a major and a minor.

Information on LAS 2020, clusters and program requirements is available from the LASP director, Prof. Ann Leffler (M 338E, 797-2039); or the Science-HASS Advising Center (TSC 304, 797-3883).

"...a
volunteer
program is
in place to
help
arriving
students
..."



Sign here, please

Homer Hickam, he of 'Rocket Boys' fame, signs a picture for a USU student who attended his Arts and Lectures presentations. USU students are lucky to have visiting speakers on a variety of important topics.

El Ed enjoys national reputation

The Department of Elementary Education at Utah State University ranks among the top teacher preparation programs in the USA and enjoys a nationwide reputation for teacher excellence. This fact was confirmed when the Department was awarded "one of the seven best" programs in the preparation of elementary teachers in the area of science by the American Association of Science Teachers. The Department also received a rare "commendation" from the National Council for the Accreditation of Teacher Education when it visited the campus.

In an independent study completed in 1991, superintendents, principals and others hiring graduates of USU's elementary education program ranked it as the best in the state. This is due largely to the field-based cooperative training program established over 20 years ago between the Elementary Education Department, the Edith Bowen Laboratory School on campus, and schools in Cache Valley as well as other districts. From the time elementary education students enter their professional sequence of courses, they are involved with public school students. These elementary majors have many opportunities for working at various levels of early childhood, elementary and middle education and in the various subject matter areas due to the practicum experience associated with the phases of the program. Those majoring in elementary education at Utah State pursue a regular elementary, early childhood or a middle education certificate. An ESL Endorsement is also available for pre-service teachers interested in enhancing their ability to facilitate the learning of K-12 students whose primary language is not English.

The Elementary Education Department

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Elementary Education

enjoys a reputation on campus for one of the finest advisement centers at Utah State University. Three advisors are available daily from 8 a.m. to 5 p.m. to provide students with information and to assist them in planning their college careers.

More students graduate from USU in Elementary Education than from any other major. During the past several years, the Department of Elementary Education at Utah State has produced more elementary school teachers than any other state institution in Utah.

In addition the undergraduate programs, the department offers masters degree programs with emphasis in general elementary curriculum, working with gifted and talented students, early childhood education, reading instruction, as well as other areas of emphasis. A doctoral program in curriculum and instruction is also offered at the graduate level.

Those desiring to major in elementary education must complete an application for admission to the teacher education program. Forms are available in room 373 in the Education Building. Students must have a minimum GPA of 2.75, complete a speech and hearing test, complete a group interview screening, have a high ACT score, and take several prerequisite courses including specific requirements in math and science. Due to increasing enrollment demands, the department limits admissions to 75 persons per semester. All applicants are placed in an admissions pool with the top 75 students admitted each semester.

For a complete description of admission criteria and information, please contact the Elementary Education Department, Jones Education Building, Room 373.

CPD has unique opportunities for training students

By combining a variety of disciplines, cutting-edge technology, and research in numerous areas, the Center for Persons with Disabilities (CPD) provides students with unique opportunities and challenges. The CPD is one of 63 University Affiliated Programs located at major universities throughout the United States. Funded through the Administration on Developmental Disabilities, the goal of the CPD is to encourage research and services for persons with disabilities, as well as to provide students with a practical training base.

The Interdisciplinary Training Division at the CPD concentrates on the development of skills facilitating communication and coordination among disciplinary specialists. The division provides students with the opportunity to learn how specialists from many disciplines work together in assessment and services for people with developmental disabilities. Assistantships and internships are available to students each year.

In addition to the pre-service training offered by the CPD staff, virtually all projects provide in-service workshops and special demonstrations for school districts and service agencies throughout the state and region.

The Exemplary Services Division serves a wide range of consumers, providing home and center-based services for infants and their families; interdisciplinary assessment; development, implementation and monitoring of programs; and in-home family support services. Consumers include all age ranges and people with all types of disabilities. The Exemplary Services Division also provides a training base for students from several university departments.

The Technical Assistance Division provides consultation, technical assistance, and loans training and evaluation materials to individuals, organizations or communities to help improve the delivery of service to people with disabilities. Technical assistance is provided in many forms, including direct services, consultation, workshops, conferences, demonstration, and written or audio/video products.

The Outreach Division serves as the major dissemination unit of the CPD. Descriptions of Center activities are circulated through newsletters and the CPD web site (www.cpd.usu.edu). In addition, an adult service and rehabilitation center is operated by this unit. The Assistive Technology Training Program brings together students from different disciplines to develop devices to assist people with disabilities.

The Research and Evaluation Division conducts a variety of projects designed to discover, develop and validate new knowledge, better intervention techniques

and more successful training procedures. Staff conduct program evaluation for federal, state, and local programs serving persons with developmental disabilities to assist decision-makers in improving programs. Many USU students are employed on CPD research projects.

The Biomedical Division comprises the medical services unit and the immunology research laboratory. Activities of the unit address medical issues involved in disabilities. Research in the unit is aimed at determining the causes, preventions, and medical interventions of disabling conditions. The unit provides a variety of specialty clinics, and research on autism, Down syndrome, and ADHD is ongoing.

The Technology Division enables research and training projects to incorporate new technology in meeting the needs of individuals with disabilities. Most CPD projects use state-of-the-art technology in conducting research and providing training and direct services. In addition, members of the division conduct projects determining the effectiveness of new technology and apply findings to other service needs. The Technology Division assists distance learning. The CPD also provides cutting-edge production video services to researchers and educators.

For more information on CPD projects or training opportunities, call 797-1981.

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Center for Persons
with Disabilities

Think about graduate studies at Utah State

Utah State University offers excellent opportunities for graduate studies. Graduate work can increase research competencies, enhance career opportunities, and improve professional knowledge and skills.

THE UTAH STATESMAN FALL 101 Graduate Studies

Opportunities are particularly promising for women in science and engineering, and for ethnic minority graduates. Graduate degrees are offered by 43 of the University's 44 departments. Included are 83 master's programs, 33 doctoral programs, and 5 other graduate degrees. Nationally and internationally known research units support many of the graduate degree programs, and graduate students are often actively involved as research assistants as well as teaching assistants.

Graduate Programs

Agriculture. Ninety-five to 100 percent of Agriculture graduates from Utah State have obtained jobs by the time they graduate. Master's degrees can be earned in Agricultural Systems Technology, Applied Economics, Dairy Science, or Bioveterinary Science; master's or doctoral degrees are available in Animal Science, Biometeorology, Plant Science, Soil Science, or Toxicology.

Business. The College of Business faculty at Utah State have the academic and professional backgrounds to prepare students for careers ranging from management to education. In addition to a PhD in Economics, master's degrees are offered in Accounting, Business Administration, Business Information Systems and Education, and Economics. The Department of Business Information Systems and Education (BISE) also participates in the interdepartmental PhD and EdD degree programs in Education. The Economics Department and the

Management and Human Resources Department participate in the interdisciplinary Master of Social Sciences degree program.

Education. Education is the second-highest USU college in grant-funding for research and training, much of which provides support for graduate students. Education graduates do research and teach in colleges and universities, work in instructional development in businesses, and serve in supervisory positions in public schools and state agencies. Master's degrees are offered in Elementary Education; Secondary Education; Psychology; Health, Physical Education & Recreation; Communicative Disorders and Deaf Education; Instructional Technology; Rehabilitation Counseling, and Special Education. The Educational Specialist (EdS) degree is offered in Communicative Disorders and Deaf Education, Instructional Technology, and Special Education. Doctorates are offered in Education, Psychology, Special Education, and Instructional Technology, with doctoral specializations in Business Information Systems & Education, Curriculum & Instruction, and Research & Evaluation.

Engineering. Excellent research facilities and academic programs, such as the Civil and Environmental Engineering Department, which is among the top 10 percent of CEE programs in the nation, characterize Engineering. Degrees offered include the Master of Engineering; the MS in Industrial Technology; and the MS and PhD in Biological & Agricultural Engineering, Civil & Environmental Engineering, Electrical Engineering, Irrigation Engineering, and Mechanical Engineering; and the Civil Engineer and Electrical Engineer degrees.

Family Life. Master's degrees in Family and Human Development, Human Environments, Food Microbiology and Safety, and Nutrition

and Food Sciences, and PhD degrees in Family Life and Nutrition & Food Sciences prepare students for careers in fields related to marriage and family relationships; adolescence and youth; infancy and childhood, consumer studies; fashion merchandising; home economics education; food microbiology; chemistry, engineering, processing, toxicology, or biotechnology; human nutrition; nutrient metabolism; medical dietetics; and molecular biology.

Humanities, Arts and Social Sciences. This college's master's degrees range from a folklore emphasis in the American Studies major to rural and natural resources/ecology emphases in Sociology, from the interdisciplinary Master of Social Sciences to the MS in Town and Regional Planning and the Master of Landscape Architecture (MLA). Other master's degrees include Art, Communication, English, History, Political Science, and Theatre Arts. A Master of Second Language Teaching (MSLT) is offered, as well as a PhD in Sociology.

Natural Resources. With off-campus research funding that increased from \$100,000 in the 1960s to some \$4,000,000 in the 1980s, the College of Natural Resources attracts graduate students from throughout the United States and the world. Ninety-seven percent of graduates are employed within three months of graduation. They receive MS or PhD degrees in Fisheries Biology, Wildlife Biology, Forestry, Recreation Resources Management, Range Science, or Watershed Science. The MS degree in Geography and the Master of Natural Resources are also offered. The MS and PhD degrees are offered in Ecology through the following departments: Biology; Fisheries and Wildlife; Forest Resources; Plants, Soils, and Biometeorology; and Rangeland Resources.

Science. Science programs at Utah

State are supported by many of the research grants and facilities that have made USU one of the top 100 research universities in the United States. MS and PhD programs include Biology, Chemistry, Biochemistry, Physics, and Toxicology. In addition, there are MS degrees in Computer Science, Geology, Industrial Mathematics, and Statistics; a PhD in Mathematical Sciences; and an MS and Master of Mathematics (MMath) in Mathematics.

Admissions

Application-for-admission forms can be obtained from the School of Graduate Studies (Main 164; telephone [435] 797-1189). The application fee is \$40. Official transcripts must be provided for previous college and/or university coursework and degrees. A bachelor's degree is required, with a minimum of 3.0 GPA for the last 90 quarter or 60 semester credits earned. Applicants must submit scores on a standardized test, usually the Graduate Record Examination (GRE) general test. A few departments will accept the Miller Analogies Test (MAT) at the master's level, and in Business the Graduate Management Admission Test (GMAT) is typically required. Information on the admissions test required by departments and registration forms for the GRE and GMAT are available at the School of Graduate Studies.

Financial Aid

Aside from loans through the Financial Aid Office, other financial assistance is available through departments. Research assistantships and teaching assistantships are often available, as are some scholarships and fellowships. The Martin Luther King Fellowship is available for African American students.

Website

Visit our website at www.usu.edu/gradsch/home.html

What is the Culinary Arts/Food Service Management Major?

The Culinary Arts Food Service Management Program (CA/FSM) is a four-year baccalaureate program designed to prepare graduates for professional careers in the food service industry. Students receive training in culinary techniques and management through theory-based instruction and practical hands-on experiences. Career Opportunities

THE UTAH STATESMAN FALL 101 Culinary Arts

Employment and career advancement opportunities in the food service industry are excellent.

Recent research by the National Restaurant Association found that in 1998 General managers and unit managers earned median salaries of \$48,000 plus a \$7,000 bonus, and \$32,500 plus a \$4,000 bonus, respectively. The research also shows that the industry offers plenty of opportunity for advancement, with three out of five salaried employees having started as hourly workers. CA/FSM students are required to complete

requirement for the minor in Business Administration or Management and Human Resources. This diverse course work enhances students marketability and career diversity. Career opportunities are constantly expanding in non-traditional areas such as food styling, consulting, food industry test kitchens, marketing, and more.

Topics of Study

The CA/FSM curriculum includes:

- *Culinary food preparation
- *Baking and pastry arts
- *Food sanitation and safety
- *Beverage management
- *Catering
- *Classical cuisine
- *Cuisines of the world
- *Accounting
- *Cost control and purchasing
- *History of cuisine
- *Marketing

- *Menu planning
- *Effective communication
- *Personnel management
- *Nutrition
- *Food service management

Another exciting component of the CA/FSM curriculum is a required 1500-hour internship that allows students to further develop skills in six or eight different food service facilities on campus. In addition, many extracurricular Culinary Arts Club activities are available to students including field trips, participating in culinary activities, and academic competitions. Transfer students from other schools can usually finish their degrees in two years.

For further information, contact the Department of Nutrition and Food Sciences at (435) 797-2126.



HPER classes are big hit at USU

The Health, Physical Education and Recreation Department at USU offers a wide range of professional and lifetime skills courses leading to several options for students. The department offers a Bachelor of Science degree in three majors: Health Education, Physical Education, and Parks and Recreation. HPER also offers a large number of lifetime skill development classes in physical education, adventure and recreation. These classes are open to all majors.

Health Education

The Health Education Specialist major prepares students for employment in a variety of areas covered by the two options of School Health and Community Health. Both options share a common core of required courses followed by professional competency courses and a variety of electives that lead to expertise in specific areas of interest.

The School Health major includes classes in professional development, teaching methods, and content area. It is designed to prepare students for a career in teaching health in the secondary education program.

Community Health majors find employment as health education specialists in public health departments, medical care settings, corporate wellness programs, and volunteer agencies. Employment and graduate school placement among HPER graduates is very high and the future of community health education as a career is promising.

Physical Education

The major in Physical Education provides three options: Teaching, Exercise Science, and Pre-Physical Therapy. All three options offer a program of study leading to a Bachelor of Science degree. The Physical Education Teaching option is designed to prepare students for teaching posi-

tions in grades K-12. Major requirements include classes in professional development, skill development, teaching/coaching methods, and the selection of a teaching minor. The Exercise Science option is designed to prepare students to pursue a vocation in private fitness or corporate fitness or to pursue the Master of Science degree in Corporate Wellness or other exercise related fields. The Pre-Physical Therapy option is designed to prepare students to enter a graduate degree program in professional physical therapy. Students in this option must complete an internship in cooperative education as part of the elective requirement. The Exercise Science and Pre-Physical Therapy options require a specified core of classes and a number of electives.

In order to declare a Physical Education major, it is

necessary to apply for admission to the program and be accepted to the major. For more information, feel free to drop by the HPER office to pick up an application or schedule an appointment to talk to an advisor. To schedule an appointment, call 797-1495.

Parks and Recreation

This major prepares students to become professionals in public, private, commercial, and volunteer parks and recreation settings. The educational experiences are structured so that the emerging professional will be a well-rounded generalist, capable of functioning in a variety of employment settings. Coursework includes a core program plus a selection of courses from several support areas — activities, communications, behavioral, administration, management, health, and safety. These core and support areas culminate in an internship field placement experience.

Lifetime Skills

Lifetime Skill classes are offered to USU students from any major. These classes help in the development and maintenance of fitness, provide new skills and offer adventure recreation. These classes not only provide quality instruction but afford an opportunity to meet other students with similar interests. Classes include: softball, basketball, volleyball, soccer, jogging, swimming, weight training, body conditioning, aerobic dance, dynamic fitness, racquetball, tennis, cycling, golf, badminton, skiing, billiards, fly fishing, snowshoeing, hiking, camping, sailing, rock climbing, survival, canoeing, kayaking and recreational dance. Many of the classes are broken down into skill levels for ideal learning and the enjoyment of students.

The HPER Department is popular and unique, and provides an environment for both physical and social development. Check your Fall Schedule for all the courses offered and get involved in the excitement that the HPER Department offers!

Try the Shuttle

The Aggie Shuttle, that is.

Parking in the stadium areas and using the Aggie Shuttle service is the most convenient way to get to campus. Last year the shuttle system carried over 1.1 million passengers. The Aggie Shuttle is free and runs from 7 am to 9 pm Monday through Friday.

A new stop has been added to the Campus Loop route at the Nutrition and Food Science Building. The bus now travels east through the traffic light at 1200 East 700 North, and goes through the east end of the "Free" parking area to the north side of NFS where it stops. Then it continues as in the past on its route along 1200 East.

The Stadium Express (Blue Route) operates every 5 or 10 minutes from the Stadium to the Field House/Student Center 7 am to 6 pm. The Housing Loop (Red Route) serves the Residence Halls north of campus from 7 am to 5 pm. A Campus Loop (Green Route) travels a loop around the main campus area from 7 am to 6 pm. Then in the evening from 5 pm to 9 pm, the Housing Loop and Campus Loop are combined into the "Figure 8" (Green Route). The Research Park Route that was initiated last year has been canceled due to lack of funding.

Bus schedules are available on any Aggie Shuttle bus, at the Parking Office or at the Visitor Information Center. For further information, contact the Parking and Transportation Office, 797-3414 or visit our website at www.usu.edu/parking.



Bright idea

One of several new sculptures on campus is positioned between the Biology Building and the Biotechnology Research Center. USU gained a number of new pieces of art work last year.

USU Police offer tips for protection

The Utah State University Police Department provides police service to the USU community seven days a week, 24 hours a day. The University Police Department is staffed by 12 state-certified police officers.

Campuses are no longer safe havens free from crime. They have become small communities facing many of the same problems encountered by the community in which they are situated. Fortunately, USU has a relatively low crime rate, however, problems do arise. For your protection and the protection of your property we suggest the following:

SELF PROTECTION

- **Don't walk alone at night.
- **Know the locations of the emergency phones.
- **Walk only in well-lighted areas.
- **Always lock your doors.
- **Keep windows and curtains closed at night.
- **Be aware of your surroundings.

THEFT PROTECTION

- **Report all crimes and suspicious activities.
- **Mark all of your property with an identifying mark. (USUPD has an engraver that may be checked out for this purpose).

CONTINUED ON PAGE 21

Space Weather research conducted at USU

Power stations, as well as telecommunications satellites, are known to have been shutdown by space weather. Space weather emanates from the sun in the form of Coronal Mass Ejections (CME). These hit the Earth's rarefied outer atmosphere and, in turn, lead to energized ion and electron beams that can hit satellites causing glitches in communications, or even disabling them. These CME electric currents in our ionosphere are strong enough to cause overloads in transformers at power stations. These overload conditions can cause temporary power outages, damage, and in extreme cases "blow-out," transformers. Space weather affects the level of radiation experienced by astronauts and even high altitude transpolar commercial airline flights. They disrupt communications via radio waves and over-the-horizon radar systems. Researchers in the Center for Atmospheric and Space Sciences (CASS) are actively involved in various aspects of research for space weather, such as prediction, modeling, and forecasting.

The Get Away Special project serves as an example of other space-related projects that are being done in CASS. USU student experiments were launched into space on board the Space Shuttle on September 9, 1994, May 19, 1996, and again on August 7, 1997. The next experiment is planned for launch in 2001. In part, guidance for these undergraduate and graduate student 'rocket scientists' is found in CASS.

The Center for Atmospheric and Space Sciences is recognized both nationally and internationally as a progressive research center in advanced space and upper atmospheric research programs. Through this interdisciplinary center, research is conducted by faculty and student teams in many widely varied areas of atmospheric and space sciences and associated disciplines.

Students are encouraged to actively participate in solving research related problems. Degrees are awarded by the associated departments, including: Chemistry; Electrical Engineering; Mechanical Engineering; Physics; Plants, Soils, and Biometeorology.

For further information, contact Dr. Robert Schunk, Director, Center for Atmospheric and Space Sciences, Utah State University, Logan, Utah 84322-4405, or call (435)797-2962.

Safety tips listed

Continued from page 20

**Record all serial numbers of valuable property.

**Put your name and student number in your textbooks.

**Don't leave books, calculators, purses or backpacks unattended, even if you are leaving for a moment.

**When leaving, if only for a moment, always lock your office door.

BICYCLES AND SKATEBOARDS

With the increasing amount of pedestrian traffic on campus during the class breaks, USU implemented the Walkway Safety Policy. The use of bicycles, skateboards, and rollerblades shall be allowed only as means of transportation on walkways of USU. Anyone using these modes of transportation shall yield the right of way to any pedestrian and shall travel at a safe and prudent speed. Under no circumstances will bicycling, skateboarding or rollerblading be allowed on ramps, curbs, benches, steps or stairs, nor are they allowed in buildings.

Those found in violation of this policy may face fines up to \$50.00 and the impounding of property.

USUPD asks that all suspicious activities be reported to the police department immediately. Emergencies can be reported using any of the emergency phones or by dialing 911. Non emergencies can be reported by dialing 797-1939.

The Utah State University Police Department and Key Office is currently located in the old Outdoor Rec. Building, which is between the Fieldhouse and the Military Science Building. We can still be contacted at 797-1939. This will be a temporary location until sometime after the beginning of Fall Semester. We

Students involved in Business

You don't have to be a business major to take advantage of the great opportunities available through Partners in Business. Opportunities include future employment, networking, college credit, campus involvement, and an interesting and fun learning experience.

Partners is an on-campus, student-staffed program, which organizes nationally recognized management education seminars. Seven seminars are offered each year. They focus on applicable issues in quality & productivity, customer service & marketing, human resources, management information systems, accounting, banking & financial services, and international business. Speakers include high-level executives representing many Fortune 500 companies, leaders in government and academia, and world renowned management consultants and authors.

Students have a unique opportunity to be involved in Partners in four different ways. First, business partners pay a \$580 fee for attendance at all seven seminars, but seminar attendance is FREE for USU students. By sitting in at the seminars, students can gain valuable knowledge about the demanding and fast pace business world. Secondly, students can attend a luncheon for approximately \$10, where they have the opportunity of associating with the seminar attendees who represent businesses from the Intermountain West.

The third and fourth ways of involvement offer more detailed interaction. Hosting provides an opportunity to discuss real-life issues

with high-level corporate officers on a one-to-one basis. Lastly, volunteers are always welcome at Partners in Business to aide in the planning and administration of the seminars.

Students can gain valuable answers to questions concerning employment, internships, educational pursuits, and specific information about working for the executive companies. Like numerous other students, you may attain your first post-university employment as a direct result of the Partners in Business program.

Don't be so caught up in your studies that you fail to take advantage of what the Partners in Business program offers. Come find out why we keep the company we do. For more information, please contact Partners in Business in Room 309 of the Business building, call 797-2279, or visit our website at www.usu.edu/~partners.

2000-01 Seminar Dates:

Financial Services &	
Banking	Sept. 14
Intermountain Accounting	Oct. 19
Quality & Operational Excellence	Nov. 1-2
International Business	Nov. 30
Information Technology	Feb. 7-8
Human Resources	Feb. 28-Mar. 1
Customer Service & Marketing	Mar. 27-28

Understanding chemistry is big part of life

The Department of Chemistry and Biochemistry offers a wide variety of courses for those whose majors and/or anticipated careers require a knowledge of materials. Among these are nutrition, engineering, biology, agriculture, natural resources, medicine, law, and education. Many students choose chemistry as an elective course to better prepare themselves as citizens in a technological world.

Students majoring in chemistry may pursue either a Bachelor of Science Degree, which entails considerable specialization in chemistry or science, or a Bachelor of Arts Degree, for those who desire a broader education in the liberal arts and sciences. There are five options for the BS degree, all requiring a common core of courses but allowing for differing emphasis in advanced work according to the interests and career objectives of the student. Three of the options will meet the requirements for certification as chemical professionals by the American Chemical Society. These emphases include chemistry, biochemistry, or chemistry education. Other options include a life science emphasis, and an alternate chemistry teaching major.

The certified degree options provide excellent preparation for immediate entry into the job market or for graduate school in chemistry, biochemistry, chemical engineering, molecular biology, nutrition, food science, materials science, and a wide variety of other fields. The life science emphasis is particularly appropriate for premed-

base for understanding the nature of chemical reactions in the body and the behavior of the drugs they will prescribe, or who want an attractive alternative should they decide ultimately not to pursue medical or dental school. The BA degree is an excellent choice for students with an interest in studying law or business and who have an interest in science. There is also an Honors Plan for students desiring a BS Degree with Honors in Chemistry.

The core of the program utilizes two-semester sequences of classes. The first year is a course in the basic principles of chemistry and introduces most of the major concepts of the science. The second year explores in greater depth the characteristics of carbon-based compounds that serve as the backbone for the chemistry of life, for most drugs and medicines, for petroleum, for most fibers, paints, and plastics, and for many other commercial products. The third year examines in greater depth the models, theories, and mathematical interpretation of the structures, rates of change, energetics, and other properties of chemicals. In addition, three one-semester courses examining the chemistry of life processes, the behavior of inorganic substances, and the analysis of the composition of substances are required. Many of the sequences have associated laboratory courses where students get hands-on practice. Here they synthesize compounds, measure physical properties, analyze samples, and determine structural features of compounds, using modern techniques and instrumentation.

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Chemistry, Biochemistry

Animal Agriculture For the 21st Century

Animal agriculture is an essential part of the global economy. People rely upon animal production for food supplies and clothing. Animal production is multidisciplinary with careers ranging from farm and ranch production to animal care, agribusiness, veterinary medicine, and research. The preparation

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ADVS

for many of these careers begins in the Department of Animal, Dairy, and Veterinary Sciences (ADVS).

The ADVS Department offers a wide variety of career opportunities for students interested in animal agriculture. Careers for our graduates are found in the production of food and fiber, agribusiness, sales, marketing, extension service, consulting, chemical and food processing industries, research with a variety of animal species, biotechnology, and international agriculture. Moreover, the ADVS Department provides preparation of students for veterinary school. For non-ADVS majors, there are courses to expand your knowledge of animals, including minors in each of our areas of emphasis. Consider the following specific areas of the ADVS Department.

Animal Science

Students majoring in Animal Science may choose a program leading to a BS degree in 1 of 2 core areas: science or animal industries. Classes are designed to give students hands-on experience with cattle, sheep, horses, and swine. An exciting new area in Animal Science is the application of biotechnology and genetic engineering to enhance the productive ability, health, and reproduction of animals. Students have the opportunity to interact with outstanding researchers working with embryo transfer, cloning, and genetic/DNA mapping as well as other fields in the classroom and laboratory.

Undergraduate students in all ADVS majors have a wide variety of internship and research opportunities available in the field of their choice. Not only does this give students a chance to explore their particular area of interest, but it

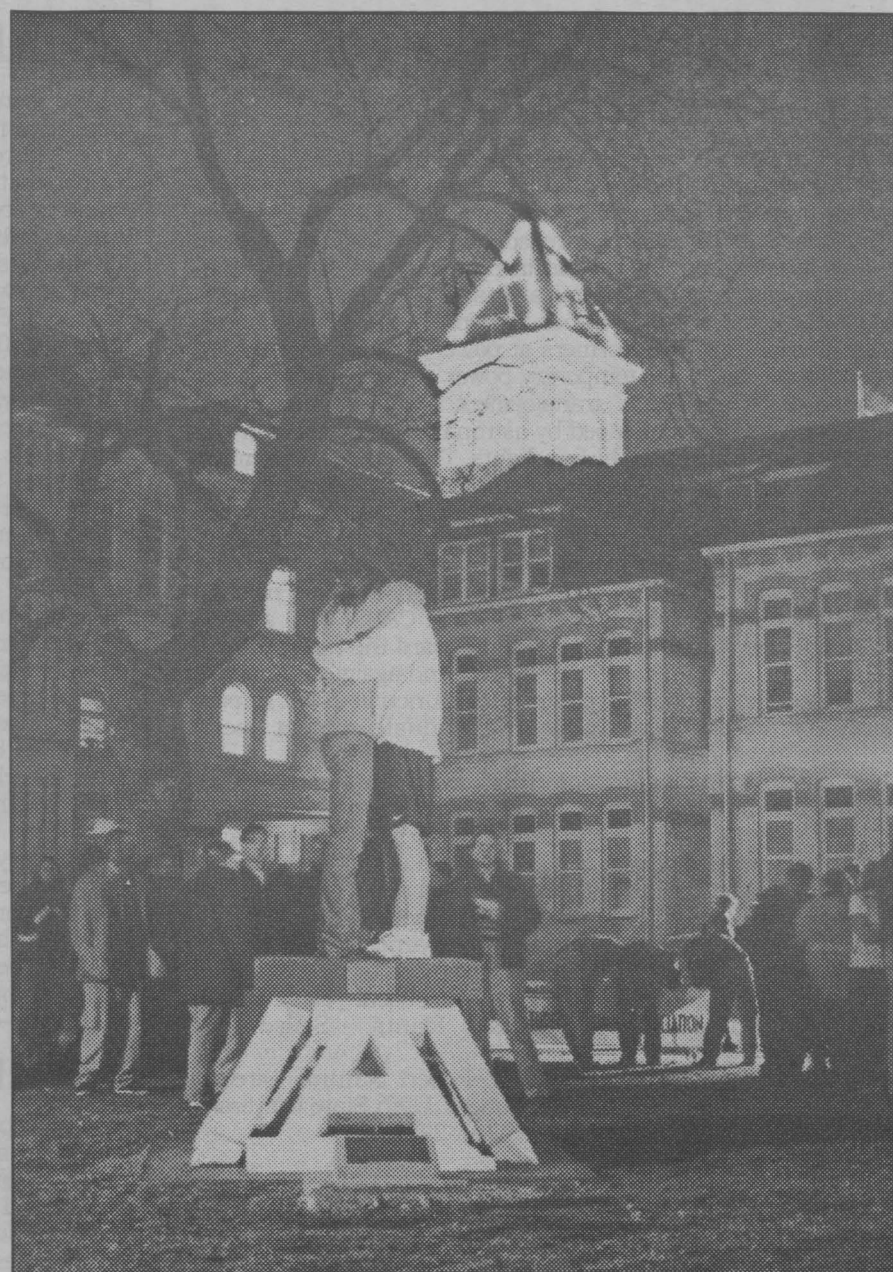
also provides valuable contacts for future professional and career development. Open to all students on campus are extracurricular activities such as the Animal Science Club, USU Club Calf Sale, and Livestock Judging Teams. There are also MS and PhD degree programs in Animal Science with specializations in Breeding and Genetics, Molecular Biology, Animal Nutrition, Reproductive Biology, and Animal and Dairy Management.

Dairy Science

Dairy Science offers 2 options for ADVS majors: science and dairy industries. The Caine Dairy Teaching and Research Center is one of the most modern dairy facilities in the country and our dairy cows are among the very best in milk production. Cache county is the center for dairy producers in Utah and provides many opportunities for students to make contact with various aspects of the dairy industry. These range from on-farm production to dairy processing. Also included are the dairy supply and service sectors, such as dairy genetics, nutrition, health products, and equipment supplies. Students can choose from a 1-year herdsman program, 4-year BS degree program and/or an MS degree program in Dairy Science. Whether you have an interest in research, industry, or managing a dairy herd, Dairy Science is a particularly attractive major.

Veterinary Science

Three degree programs (BS, MS, and PhD) are offered in Bioveterinary Science. The majority of students seeking acceptance into veterinary school complete the BS degree prior to entrance into a professional curriculum. The undergraduate program provides a challenging and stimulating academic experience in cutting edge science, emphasizing biology and chemistry. The goal of most Bioveterinary Science majors is to be accepted into a professional curriculum offering the doctor of veterinary medicine (DVM) degree. A career as a veterinarian can be very rewarding for people who enjoy animals as well as science and are willing to invest 7 to 9 years in their college education. For the past several years, our student records indicate that acceptance into veterinary



No one's watching

Maybe it's a full moon, maybe it is Homecoming Week. Maybe it is just a good way to spend a Friday night. It's a True Aggie activity.

school requires a GPA above 3.4, practical work experience with a veterinarian, and experience in animal husbandry (e.g. zoo animals, production animals, and companion animals). The ADVS pre-veterinary program has been extremely successful in preparing students for acceptance into veterinary school. The

MS and PhD degree programs are options available to students interested in various aspects of veterinary medical research. Both degrees qualify graduates for outstanding positions in a number of different pharmaceutical research industries.

Air Force ROTC opportunities

The U.S. Air Force is looking for quality officers for today's military. Utah State University students can become Air Force officers by participating in the Air Force Reserve Officer Training Corps (AFROTC).

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AFROTC

AFROTC is an educational program designed to provide college students with the opportunity to become Air Force commissioned offi-

cers while completing requirements for an undergraduate or graduate degree. AFROTC provides numerous educational experiences for developing skills and attitudes vital to the career of a professional Air Force officer. Opportunities exist to apply the principles of leadership, human relations, management, and staff work in hands on, practical situations.

Air Force ROTC offers a program for everyone. A four-year program is targeted for college freshmen while a two-year program is targeted toward sopho-

more, junior, senior, transfer and graduate students. Each program gives the student the opportunity to build the skill, confidence and experience necessary to be a Second Lieutenant in the United States Air Force.

Many scholarship opportunities are available for college students. Scholarships are awarded in the technical areas and to all AFROTC juniors and seniors contracted in the program that meet graduation and commissioning age requirements.

Interested students should call Captain Stormont at 435-797-USA or stop by the campus Military Science building, Room 107. Aim High and call 797-8723 today!

German makes a great course of study

Here's a little fun-quiz for you: Who was the German scientist and explorer who explored the Amazon basin in South America?

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German major

Who was the scientist who forged pioneer studies in electromagnetism? Where did the man live and work who invented the Bunsen-burner? Which Austrian woman helped establish the Nobel Prizes? What forms of transportation benefited by the work of Rudolf Diesel? Which woman helped found an art movement in Germany that was the forerunner of modern European and American abstractionism?

Which German-speaking land gave us Mozart, Fred Astaire, and a United-Nations City within a City? Which Swiss writer was the "father" of the "Kindergarten"? Who were Bach, Beethoven and Brahms?

Answers: Gabriele Münter, Heidelberg, Bertha von Suttner, Carl Friedrich Gauss, Austria, railroad trains and automobiles, Johann Heinrich Pestalozzi, Alexander von Humboldt, you've got to be kidding! — not necessarily in that order.

If you enroll in German Studies you may find out why the Germans are hopeful that the lowest-level income taxes may be reduced from 25.9% to 15%, and the highest rates from 53% to a mere 42%. Or how time spent in child-rearing is calculated into retirement pensions. And what the heck is "Kindergeld"? And why is there only one German airline? And will the European Monetary Union really melt 15 currencies into one? How will that work in commerce?

If you want to work in the travel industry (airlines, hotels, trains, tours), or business, banking and finance, or in government diplomatic service, or the spy organizations, or patent law or commercial law, a knowledge of German can improve your career chances, your income, and your options for travel and living sites. If you are

interested in the sciences you should know that a great deal of scientific literature is written in German. Or if you just like to travel and think it's a good idea to speak the languages of the countries you visit ... you should consider studying German, and visiting Switzerland, Austria and Germany, not to mention

Liechtenstein, Alsatia, Argentina, Bolivia, Pennsylvania, Texas, Sarajevo, Zagreb, and Prague.

To enroll in courses, consult your Fall 2000 Schedule of Classes, your USU General Catalogue, and/or the Department of Languages and Philosophy, Main 204, phone 797-1209.

Honors courses available for motivated students

Utah State University's Honors Program, established in 1966, provides an enhanced academic environment for highly motivated undergraduates. The Honors Program is a community of

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Honors

scholars whose curiosity, creativity and enthusiasm for learning foster educational achievement and personal growth.

Honors offers students intensive seminars, experimental classes, interdisciplinary courses, writing projects, leadership opportunities and special activities. Members may define independent study programs and design special research projects. Honors students work in close contact with professors in smaller classes; they pursue studies in greater depth than regular classes would allow. Members also enjoy the company of other committed students who encourage and support one another's intellectual growth and productivity. Honors students participate actively in their own education.

Honors serves students who work hard, raise questions and seek answers. It is designed for students who want to go beyond minimum requirements and narrow specialties. The program benefits those who want to make the most of their university experience.

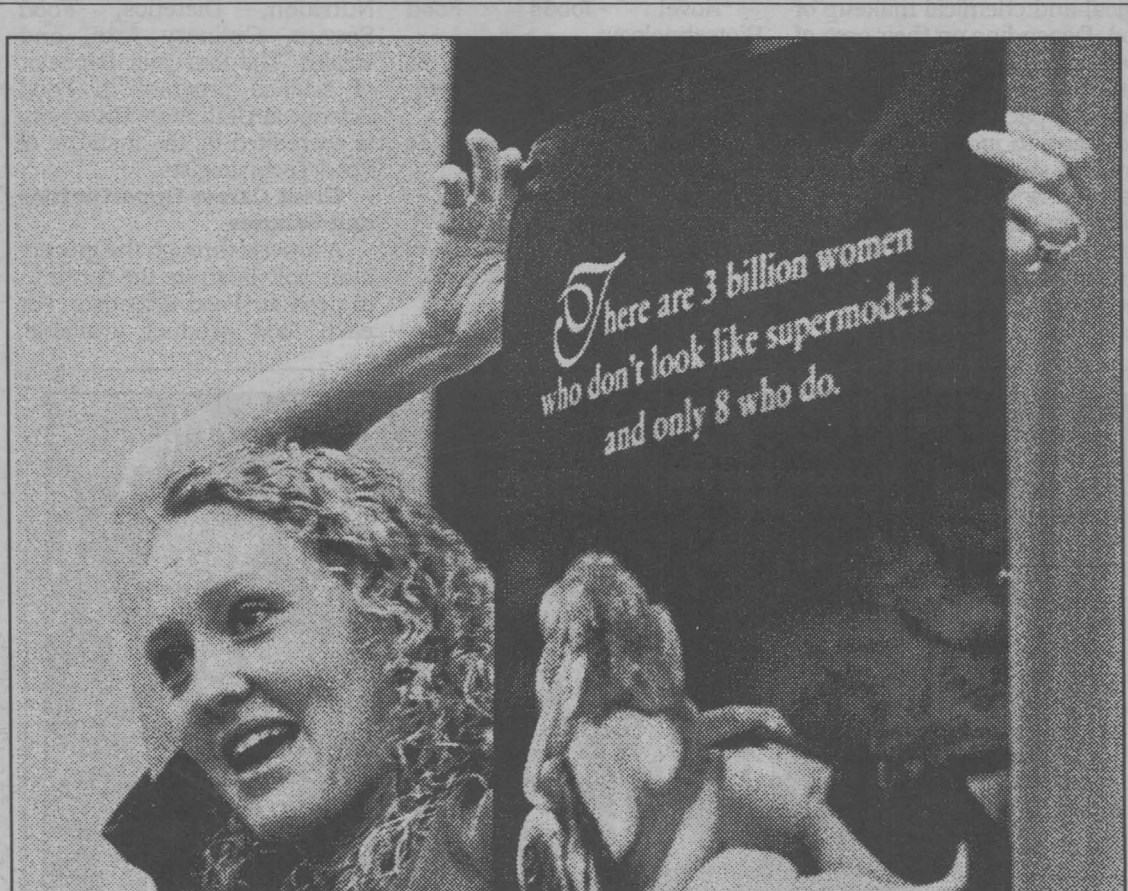
The Honors Program maintains strict standards for both entering and completing its program. However, there are no extra fees to pay, and there are Honors options that are suited to both entering freshmen and transfer students. The most important criterion for success is a student's motivation and dedication to learning.

Entrance to the Honors Program

A limited number of entering freshmen are invited to join the Honors Program each year. These are students who have been awarded University Club Scholarships, Quinney Scholarships, and Presidential Academic Scholarships.

Others may join the Honors Program on a space-available basis. Visit the Honors Program office, M374, for more information about admission to the program.

Students admitted to the program will be eligible to register for Honors classes. Those who plan to complete Honors degrees should plan to take at least one Honors course every semester in order to fulfill the degree requirements.



Get smarter

Numerous activities throughout the year are sponsored by student groups to educate others on a variety of social, health and political issues. Get involved.

Participation in Honors

Students accepted to the Honors Program must maintain a 3.5 GPA. The Honors Office places students whose GPAs drop below 3.5 on probation. If the GPA is not raised to 3.5 after one semester on probation, the student is dropped from the program. Reinstatement can be requested if the GPA is raised to 3.5.

Honors Degrees

Utah State University offers Honors degrees designed to fill a variety of student needs. Students work toward one of three degree options:

- University Honors: 30 semester credits; as many as 12 credits from the current Honors Course List plus at least 15 credits in an individually designed upper-division plan of study, including

a senior thesis/project

- University Honors with Department Honors: 30 semester credits; as many as 15 credits from the current Honors Course List (most will meet University Studies requirements) and at least 15 credits in an approved upper-division Department Honors Plan, including a senior thesis/project

- Department Honors: 15 semester credits as specified in a Department Honors plan, including a senior thesis/project

Listing of Honors Courses

Most Honors course meet University Studies requirements. Class offerings vary from year to year. For the most complete list, see the Honors Course List available in the Honors Program office, Merrill Library 374.

What is a major in Food Science?

What is Food Science?

Food Science is the discipline in which biology, physical sciences, and engineering are used to study the nature of foods, the causes of their deterioration, and the creation of new food products. A Food Scientist studies the physical, microbiological and chemical makeup of food. Depending on their area of specialization, Food Scientists may develop ways to process, preserve, package, or store food, according to industry and government specifications and regulations. A vast array of tasty, nutritious, safe, and convenient foods are available to consumers through the research and development efforts of Food Scientists.

THE UTAH STATESMAN FALL 101 Food Science

Specific work areas that utilize Food Scientists include:

Developing new foods and food ingredients:

- *Convenience foods and snacks

- *Low-fat and low-calorie foods such as diet sodas and reduced-fat cheeses and meats

- *Novel foods Food Biotechnology:

- *Genetic technologies to develop new food and ingredients

- *Enzyme technology to improve food processing.

- Sensory Evaluation:

- *Creating new food flavors

- *Consumer acceptance of new products

- Food Safety:

- *Pathogen detection

- *Quality control and assurance

- *Novel strategies to ensure a safer food supply

- Food waste management and utilization:

- *Alternative uses for food waste

- *Recycling food waste for a cleaner environment

Food Scientists also interact with other disciplines of Nutrition, Dietetics, Food Service, Culinary Arts, and Health. The four-year bachelor of science program in Food Science at Utah State University is accredited by the Institute of Food Technologists.

Great Career Opportunities and Salaries

A browse through the grocery store will illustrate the continual need for Food Scientists. For each food product available,

Food Scientists were involved in the development, sensory analysis, quality assurance, and packaging. New foods are continually being developed to meet consumer desires for a healthy life style and convenience. For these reasons, Food Science graduates are constantly sought after by industry, government agencies, and research institutions. Industry needs Food Scientist for basic research, quality assurance, nutrition labeling, product development, and marketing. In government agencies, Food Scientists are involved in research, public health, food safety, and regulatory standards.

Starting salaries for Food Science graduates are great, too. The Department salary survey showed that the average salary for Food Scientists with a BS degree and 0-1 years of experience was \$36,000 a year. Within the last five years, Utah State University Food Science graduates have found employment in companies like Kraft, General Mills, Avonmore West,

and Nestle. Students earning a BS degree specializing in Food Science are accepted into graduate programs throughout the United States.

Scholarships and Support

In addition to general NFS scholarships available through Utah State University, the Department of Nutrition and Food Sciences has 11 scholarships specifically for Food Science undergraduate students. The Institute of Food Technologists and other food organizations offer scholarships for all levels of Food Science undergraduates. Application forms are available in the Nutrition and Food Sciences building. Students can also gain hands-on experience working in the department's Dairy Processing, Meat Processing, or Sensory Evaluation Laboratories. There are also a limited number of part-time positions in various research labs in the building. For more information about Food Science at Utah State University please contact, the Department at (435) 797-2126, World Wide Web: <http://www.usu.edu/~famlif/nfs/index.html> or Jeff Broadbent at broadbnt@cc.usu.edu.



Cattle drive

The Aggie mascot, Big Blue, leads the cheer squad and Aggie football team onto the field after a halftime huddle. This year, there are five home football games.

Student Wellness Center promotes healthy lifestyles

The Student Wellness Center is dedicated to teaching, promoting, and modeling healthy lifestyles to students. This is accomplished by promoting balance and helping people improve the way they function in the Five Areas of Life. Working towards balance can bring you success socially, physically, spiritually, mentally/emotionally, and financially.

THE UTAH STATESMAN FALL 101 Student Wellness Ctr.

As a department of Student Services dedicated to students, the Student Wellness Center is firm in our commitment to teach about the dangers of alcohol and other drug abuse. Our focus on wellness allows us a more holistic approach to prevention. Through campus wide activities, group presentations throughout campus, and small classes, we teach students to lead healthy, productive lives.

Within each of your college classes, about 27% of your peers will drop out for alcohol related reasons such as finances, low grades, legal penalties, accident, sexual assault or date rape, and unplanned pregnancies. To prevent students from facing such setbacks in life, the Center encourages everyone to take advantage of our facilities. We provide in-service training, one-on-one educational sessions, and presentations on a wide variety of wellness issues.

Student volunteers are the heart of our program and provide the key to our success. Three student volunteer groups operate out of the Student Wellness Center; Peer Educator's; Alcohol, Tobacco, and Other Drug Facilitators ("A.T.O.D."); and Student Athlete Mentor's ("S.A.M.'s"). Student volunteers are able to gain a fun and rewarding educational experience through doing presentations and activities on a variety of wellness issues. Anyone interested in becoming involved can call 797-1010, come to our office in the

CONTINUED ON PAGE 25

Gain an appreciation for the Earth with Geology

There are a number of new and exciting semester courses now being offered in the Department of Geology which are approved for University Studies credit. For Physical Sciences Breadth, there is Geol 1100 Exploring the Changing Earth and Geol 1150 The Dynamic Earth; both courses are offered every semester. For Science Depth, there is Geol 3100 Natural Disasters (with an optional lab, Geol 3110), Geol 3200 The Earth through Time, and Geol 3300 Geology of the World's Oceans. These courses will greatly enhance your understanding of and appreciation for geology and the natural world around us. In most of these courses, there are either

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Geology

integrated lab activities or separate lab sessions and you will find that there is usually at least one field trip or field activity, weather permitting.

Looking for a weekend adventure in geology? Consider a Geol 2500 field trip. This one-credit course is offered twice a year (fall and spring semesters) and it is open to all students with an interest in geology; you need not be a geology major to participate. Each trip is led by a different Geology faculty member who selects a special part of the inter-mountain west to explore. This fall's Geol 2500 trip, under the direction of Brad Ritts, is scheduled for Sept 29 through Oct 1. This trip will

travel through Soldier Summit to Price and Vernal. Various stops will look at the sedimentology of the Green River Formation, Dinosaur National Monument, Paleozoic and Mesozoic rocks associated with the Uintas, and other points of geological interest. Please check with the Dept. of Geology for further information and for the date, time, and location of the pre-trip orientation meeting.

If interested in geology as a major, there are a number of options available: general geology, hydrogeology, geochronology, and composite earth science teaching. Each option prepares you for a particular niche in the job market and/or for graduate studies. General information on employment opportunities, as published annually by the American Geological Institute,

and the major requirement sheet may be obtained from the departmental office in the Geology Building, #205.

The Department of Geology sponsors guest lectures throughout the year. This presents an opportunity for interested students and faculty to interact with professional geologists from government agencies, industry, and academic institutions throughout the United States. Notices of up-coming lectures will appear in the Statesman and flyers will be posted throughout the Geology Building.

A number of displays can be found in the Geology Building, including a cast of a large dinosaur footprint exhibited in the first-floor lobby and display cases in the second- and third-floor hallways. Look for the

Hyrum mammoth tusk, which was found in a gravel bed in Hyrum, Utah. It is on long-term loan from the Utah Museum of Natural History and it is on display in the third-floor hallway of the Geology Building. Additional mineral and fossil displays are located in rooms 202, 203, and 205; these are accessible during regular office hours: 8 a.m. to 5 p.m. Monday through Friday.

If you would like further information about introductory geology courses, geology field trips, a major or minor in geology, employment opportunities, the geology club, or guest lectures, please visit the department office in the Geology Building, room 205, call extension 1273, or check out our website at www.usu.edu/geoldept.

Support Services is unique

The Student Support Services Center is:

- A Student Services Department at Utah State University
- A friendly place to share concerns, plans, options, and find support in personal and academic endeavors;
- A place which has, for more than 24 years, served USU

students and enhanced community educational goals.

The program was established in 1965 by the Congress of the United States. It is designed to help disadvantaged students enter college, graduate and move on to participate in the American life.

The philosophy behind the program is that

the traditional educational system, because of inadequate understanding of the needs of disadvantaged and minority populations, denies access to post secondary education to these populations.

Student Support Services is located on the second floor of the Taggart Student Center in Room 225-A and is open weekdays from 8:00 a.m. to 5:00 p.m.

The program is financed by the U.S. Department of Education and by Utah State University with the purpose of providing additional support to students (190) who meet particular qualifications.

There are three ways to qualify for Student Support Services:

- Economically - meet federal guidelines based

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Wellness can be your lifestyle

Continued from page 24

University Inn Room 127, or log onto our website from USU's homepage under USU Students, Student Services. Our volunteer teams are:

Peer Educators: Students in this group plan and implement health campaigns on a variety of topics in the Five Areas of Life. They also plan and deliver educational presentations all over campus on these same issues. This includes teaching about substance use/abuse; travel safety; healthy relationships and sexual health, which focuses on making value and principle based decisions, STD information, and date/acquaintance rape information; and much more.

A.T.O.D. Facilitators: Students facilitate small classes for judicially mandated or other interested students on the issues involved in alcohol, tobacco, and other drug use. Topics discussed include values clarification, media literacy, understanding your personality, costs of sub-

stance use/abuse, the Five Areas of Life, the stages of addiction, and more.

S.A.M.'s: Student athletes function as mentors to incoming freshman and transfer athletes, helping them make a positive adjustment to collegiate life while strengthening commitment for substance free athletic programs.

The Student Wellness Center also has an extensive library consisting of books, pamphlets, videos, and other information about wellness issues. Individuals can check out materials for class assignments or for personal interest. Presentations about the most current wellness information can be arranged by calling our office at 797-1010 or by stopping by University Inn room 127.

The staff extends a welcoming hand to all students who would like to volunteer or become involved with other aspects of the office. Drop by and see how good wellness can be.



Kick up your heels

A Weber State competitor attempts to make a play on a USU defender. USU went on to victory, though.

USU offers secondary teacher licensure program

The new Professional Framework for Secondary Teacher Certification has been in place for a full year, and students have wholeheartedly welcomed some major improvements in the program with the change to semesters.

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Secondary Education**

The most significant change was the addition of supervised clinical experiences with students and mentor teachers in public school classrooms during each of the three semesters of teacher preparation. The exposure to real classrooms has brought new focus, and some very interesting discussions, to the teacher preparation courses that run concurrently

with the experiences.

Dr. Harold Heap, advisor for secondary certification, reminds students that although students can begin the certification program as early as their junior year, the admission process should be started as early as the freshman year. Admission requirements include completing a writing test, a criminal background check, and an interview. Students must also have junior standing with a minimum career GPA of 2.75. Over 1,000 students at USU plan to complete secondary teacher certification along with their degrees.

Once the requirements are met, a student who has completed most of the teaching major and minor requirements may start the Professional Framework during the junior year. The Professional

Framework is a concentrated three-semester set of courses and clinical experiences rounded off by 10 weeks of student teaching in the public schools.

"The top priority for students," says Dr. Heap, "is to declare a teaching major and get with an adviser in the department as soon as possible, preferably in the freshman year."

Completion of University Studies, a teaching major and minor, plus the three semesters of professional preparation will consume the entire four years most students expect to spend. Students are advised and complete requirements for graduation in the department and college of the teaching major. Some teaching majors also require selection and completion of a teaching minor along with the major.

Students who are transferring to USU from other colleges and universities should meet as soon as possible with advisers in their teaching major and minor to review and schedule courses, and begin the application process.

Presently, over 1,000 USU students plan to graduate with a degree in their teaching area and complete certification for secondary teaching in grades 6-12. The Department of Secondary Education has an extensive website available from the USU home page. Students with questions about the new admission requirements or advisement may contact the Secondary Education Department at 797-2222. Dr. Heap is also available through E-Mail at (hheap@coe.usu.edu).

On-campus photo services available

Resumé photos, immigration and passport photos and portrait photography, have become an important way of life for students, faculty, and staff at USU. Photography Services, at 950 East 700 North, has played a major role in filling these and other needs for over forty years.

PROMPT SERVICE: Ektachrome/Fujichrome E-6 slide

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Photo Services**

film processing is another great service. Film in before 2 p.m. is ready by 4 p.m., Monday through Friday. Special arrangements can be made for other scheduling.

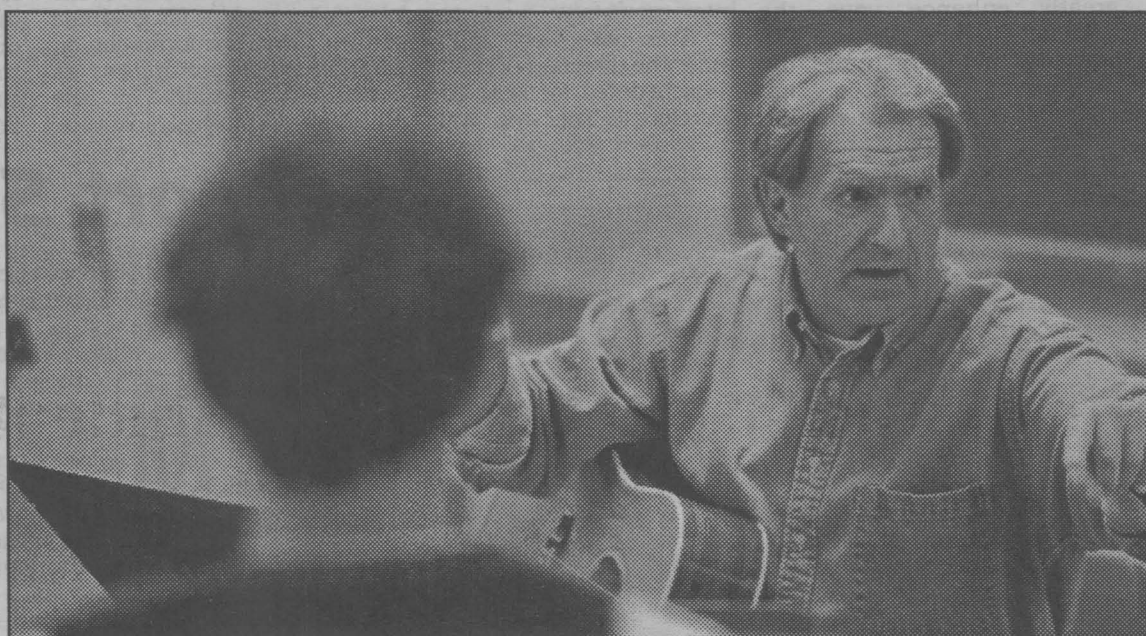
Daily slide film processing ties in nicely with duplicate slides and copy slides made from charts,

graphs, pictures, etc.

Studio and location photography is another feature that supports the many campus organizations and activities. Other services include black and white and color film processing and printing.

Hours of operation are from 8 a.m. to 4:30 p.m., Monday through Friday. Phone - 797-2262 for appts.

PLEASE NOTE. USU PHOTOGRAPHY SERVICE DOES NOT SCHEDULE WEDDINGS, FAMILY GROUPS, CHILDREN, BRIDES, OR PETS.



Take your pick

Guitar instructor Michael Christiansen makes a point with a student in a music class. Many USU faculty are nationally known in their fields, as is Christiansen.

USU Womens' Center is at center of campus, here to help

USU's Women's Center for Lifelong Learning is:

- A Student Services Department at Utah State University.

- A place to share ideas, meet others and find support in personal, career and academic endeavors.

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Women's Center**

- A place which has, for over 25 years, served USU students, faculty, staff and community members.

This special center on campus opened its doors in 1974 when Betty Ford, former First Lady, cut the ribbon to dedicate the Women's Center for

Lifelong Learning. It is located on the third floor of the Taggart Student Center in Room 310 and is open weekdays 8:30 a.m. to 4:30 p.m. Here students may obtain information concerning the opportunities and resources available to them on the USU campus and in the community.

The Center serves as an advocate for women, educating campus and community constituencies on the changing status of women and gender-based issues. The Center is a place to share ideas, meet others and find support for personal, career and academic endeavors.

"Conversations," workshops, conferences and special programs on current women's and men's issues are sponsored throughout the year. Special inter-

est and support groups can be arranged. Watch for dates and times or stop by for a schedule.

Need source material for a research paper? Have a question about life in Logan? Or just looking for a good book? A resource library containing books, articles, magazines and information files on a variety of subjects concerning issues facing women and men in our changing society are available to anyone. The Center also has current listings for all classes offered through the Women's Studies program.

Need financial assistance? A limited number of tuition waivers, as well as scholarships, are available for reentry women and men students who have

been out of school five or more years. In addition, scholarship and financial aid information from USU, as well as community, state and national sources are available.

Worried about being reached at school in case of an emergency? Bring class schedules to the Center and register with the Parent Locator which is an emergency contact service that enables student parents to be contacted on campus by children/day care providers. Child care information is also available.

Director Janet Osborne, and other staff members, are in the Center to answer questions and offer assistance. Drop by or phone 797-1728.

Mechanical & Aerospace Engineering: On-ramp to the future

Mechanical Engineers create the machines that serve us — consider air conditioners, airplanes, automobiles, cameras, computers, dentist drills, engines, high efficiency furnaces and fireplaces, lasers, oil rigs, printers, reactors, refineries, refrigerators, rockets, satellites, ships, solar collectors, spacecraft, submarines, televisions, trains, trucks, turbines, VCR's, washing machines, and windmills. These are just a few examples from the vast array of products designed and developed by Mechanical Engineers. Mechanical engineers are the "inventors" of our mechanical servants that we have come to love and depend on.

The quest for more efficient, safer, and environmentally friendly machines in intensifying. The status quo is never acceptable. We must do it better, cheaper, simpler, and faster or get run over by others in an intensely competitive global economy. In this culture of continuous change, those who possess the knowledge and skills to improve the quality of our technical infrastructure will not only be in control of their own personal future but also the future of society in general. In such an environment, the opportunities for bright creative women and men with a solid mechanical engineering education are boundless.

The Mechanical and Aerospace Engineering (MAE) curriculum at USU

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Mech. Engineering

provides a strong exposure to the broad based principles of Mechanical Engineering while allowing for selective emphasis in options such as aerospace, mechanics, materials, manufacturing, and thermal/fluid science.

Aerospace Engineering at USU enjoys a national and international reputation due to close affiliation of both students and faculty with USU's Space Dynamics Laboratory. Those pursuing the Aerospace option are also well-rounded in mechanical engineering fundamentals and are qualified for careers in other areas as well. The same basic principles used to design jet engines, satellites, or spacecraft are also applicable in the design of solar collectors, or recycling plants.

The nationally accredited Manufacturing Engineering curriculum at USU focuses on life cycle costing, environmental awareness approach to manufacturing, computer simulation of manufacturing, automation and controls. Students who select the manufacturing option are prepared to pursue careers in any industry that manufactures a product; such as, aircraft, automotive, chemical, electronics, defense, food, and petroleum industries.

Many MAE graduates find their engineering background excellent preparation for medical school and a career in medicine or medical research or for law school and patent law, or for business, entrepre-



Winning for the second year in a row is the National AIAA Design, Build & Fly Team shown with the prize-winning plane: Bryce McEuen kneeling left; Dr. Warren Phillips and John Southwick, standing left. Standing behind the plane are Blake Moffitt, Jonathan Satterthwaite, Bret Ashby and Michael Olsen. Kneeling on the right behind the plane are Brandon Bodily, Jonathan Christensen, Yew Sum Leong and Wee Chun Chong and the pilot Dave Stuart.

neurship, consulting and management.

If you enjoy math, chemistry, and physics, can tolerate computers and are looking for a challenge, check out

MAE at USU. It could be your 'on-ramp' to the future in a high-tech world.

Reentry student center assists students with unique needs

I'm thinking of coming back to school. Will I be the only "old" person on campus? I've been out of school 15 years. I worry about being smart enough to pass my classes. How can I manage school, family, and a job?

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Reentry Center

Center is a place for you to visit. This office is located in the Taggart Student Center on the third floor in room 310. Office hours are from 8:30 a.m. to 4:30 p.m., Monday through Friday.

The Reentry Center serves as an informal gathering place for reentry students and facilitates their transition to university life. The center provides information, assistance, and referral concerning the opportunities and resources available on campus and in the community to non-traditional students, who are identified as women and men returning to school after a gap of five or more years in their education.

Guest lectures, workshops, conferences, and seminars focus on reentry

student issues and concerns. Special interest and support groups can be arranged. Stop by for a schedule of activities.

Reentry orientations and workshops are held throughout the year. They are designed to help returning students become acquainted with various campus resources and integrated into college life.

Membership information for Pinnacle, the national reentry student honor society, is also possible.

Peer Facilitators are available to assist reentry students, just call for an appointment. To become a Peer Facilitator and share the survival skills you have acquired through your reentry process, contact the Center for requirements (University credits available).

You may want to take advantage of the Parent Locator service. This is an emergency contact service that enables student parents to be contacted on campus by children/day care providers. Bring class schedules to the Center to register.

Concerned about where the money will come from for school? A limited number of tuition waivers, as well as scholarships, are available for reentry

women and men students who have been out of school five or more years. Information on financial aid from USU, as well as community, state and national sources is also available.

Janet Osborne, Director, and other staff members are at the Center to answer questions, provide encouragement, and offer assistance. Be sure to stop by or phone 797-1728.

Unique services available

Continued from page 25

on family size and income and/or

- Educationally - neither parent may have a bachelor's degree and/or
- Disability - physically disabled or differently abled students.

A student must demonstrate an academic need and meet project criteria. The eligible student will receive academic advising and personal guidance, tutoring in almost every area of study, financial aid advising (although financial assistance is not offered by the Student Support Services Program), assistance to identify campus and non-campus resources to aid in solving academic and personal problems which interfere with their academic progress and assistance to develop skills of communication with peers, instructors,

supervisors, and family. They are eligible to receive instruction in Math and an intensive, individualized training in study and reading efficiency skills through courses offered by the program, information and interpretation of add/drop deadlines, course prerequisites, graduation requirements and university policies.

The program serves as an advocate of less-advantaged students so that they feel they are cohesive groups within the campus community who seek progress and advancement.

Director Nazih Al-Rashid and other staff members will be glad to arrange an appointment to discuss the program and offer assistance. Drop by Room 225-A in the Taggart Student Center or phone 797-3372.

AAEO here to serve USU

The Affirmative Action/Equal Opportunity (AA/EO) Office, is ready, willing and able to provide quality service and assistance to students, staff and faculty.

An important part of the vision and mission of Utah State University is to provide students with an academic, work, recreational, and social environment that is free of discrimination based on race, color, religion, sex (including sexual harassment), national origin, age, disability or veteran's status. In addition, discrimination on the basis of sexual orientation for employees in all aspects of employment and for students in academic programs is also prohibited.

The Utah State University Affirmative Action/Equal Opportunity Office assists students, faculty, and staff in both implementing anti-discrimination laws and creating an environment where cultural diversity is valued. It also works to increase access to education and employment for groups who have traditionally faced barriers to opportunities in these areas. With this in mind, the AA/EO Office focusses on a variety of services and responsibilities, including:

1. Developing and monitoring affirmative action policies, plans and programs at USU which are aimed at increasing the participation of underrepresented groups of women and ethnic minorities.
2. Investigating, processing and resolving discrimination and sexual harassment complaints. Federal law prohibits retaliation against individuals who file discrimination or sexual harassment complaints.
3. Enhancing awareness of and sensitivity towards ethnic, cultural, gender and disability differences.
4. Providing training on affirmative action/equal opportunity laws, the prevention of sexual harassment, and valuing diversity.
5. Monitoring the representation and status of underrepresented groups at USU who are prospective or current students, faculty or staff.

Utah State University is dedicated to providing equal opportunity in education and employment to all students, faculty and staff. If you feel there has been a possible violation of your rights, want information or just need some guidance on options available to you, please contact the Affirmative Action/Equal Opportunity Office located in Old Main, Room 161, or call 797-1266. The Director, Dr. Sue Guenter-Schlesinger, and a trained staff are ready to assist you.

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Affirmative Action

mission of Utah State University is to provide students with an academic, work, recreational, and social environment that is free of discrimination based on race, color, religion, sex (including sexual harassment), national origin, age, disability or veteran's status. In addition, discrimination on the basis of sexual orientation for employees in all aspects of employment and for students in academic programs is also prohibited.



Not this time

An Arkansas State receiver is unable to haul in a pass, after a USU defender makes the play. The Aggies have a new head coach this season and open at home on Sept. 9.

Counseling Center helps students resolve problems

"I miss my friends and family ... maybe I'll leave USU."

"I'm having trouble with my relationships... I don't know what to do."

"I feel like I don't fit in anywhere and can't make friends easily."

"I'm sad and tired all the time... I'm afraid I won't make it in school this semester."

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Counseling Center

sure I need it."

"I get so nervous sometimes ... it's hard for me to take tests or talk to people."

"Someone has pressured me into doing things sexually that I'm uncomfortable with ... now I'm feeling worried, can't concentrate, and think about upsetting things all the time."

"My family and I aren't close ... I feel hurt by them and confused about what to do."

These are some of the most common concerns of students who come to the USU Counseling Center. The Center provides counseling or therapy to help you work out problems before they interfere any further with school, work, relationships, or self-esteem. Below are some common questions asked by students about the Center.

What Services Are Offered?

The USU Counseling Center offers free and confidential counseling services to students; including individual, group, and relationship therapy; problem-solving and crisis counseling; peer counselor consultation; animal-assisted therapy; outreach and consultation on specific topics of concern.

Psychoeducational and learning disability assessments are available at the Center, for a nominal fee, by first visiting the Disability Resource Center, TSC 104.

The Counseling Center does not provide academic advising or career exploration, as those services are offered in other departments.

Who Provides Services?

The Center employs four Ph.D. Psychologists and one Ph.D. Marriage & Family Therapist, as well as three Doctoral Psychology Interns and two Doctoral Psychology Student Assistants. We also have in training an average of five Doctoral Psychology Practicum Students and ten upper level undergraduate paraprofessional Peer Counselors. Therapists at the Center have specialties in a variety of areas, including: student development and adjustment, depression, anxiety disorders, eating & body image disorders, multicultural issues, communication, improving self-esteem and personal productivity, trauma and abuse, stress management, relationship and family therapy, group therapy, assessment, crisis management, sexual dysfunction, identity confusion, and conflict resolution.

How Do I Get Services?

Students taking at least 7 semester hours (6 if you're a graduate student) are eligible for services. You can make an appointment for an "intake" (the initial appointment for ongoing therapy) or for a one-time "crisis" or "consultation" appointment by calling 797-1012 or by visiting the Center in Room 306, Taggart Student Center, between the hours of 8 a.m. and 5 p.m., Monday through Friday. If you have an after-hours emergency, contact the USU Police at 797-1939. They will assist you in contracting one of our therapists.

Does The Center Have A Web Site?

You bet! Come browse at www.usu.edu/~stuserv/counsel.



Pumpkin pile

Aaaaah, autumn. Pumpkins, corn, fresh veggies, all handy for the picking. Here a student picks out a pumpkin that will soon become a jack-o-lantern.

BA prepares students for future

Large department offers specialized training

Programs offered within the Department of Business Administration are designed to prepare men and women for administrative and management positions in business, government, and other institutions. Specialized training is offered in the functional areas of finance, marketing, and production management — as well as training directed at understanding the broader aspects of business as it functions within the free enterprise system.

The majors offered within the department are career oriented. There are a variety of job opportunities for all students who successfully complete the programs at excellent starting salaries.

Finance Major

Those electing a Finance major will take courses involving corporation finance, financial institutions, long and short-term financial management, and investment topics. This training can lead to employment in corporations, banks and other financial institutions, brokerage and security analysis firms, insurance, and real estate careers.

Marketing Major

The marketing major will select courses involving the study of consumer behavior, market research, retailing, promotion management, and marketing strategy. This training will prepare the student for all aspects of the marketing and promotional function of business, whether

it be wholesale or retail - industrial or consumer.

Production Major

Utah State University is presently the only four-year institution in the state that offers a fully-accredited Production Management major. These students will be trained in the increasingly important areas of scheduling, quality control, manufacturing operations, and production planning. This course of study prepares the student to assume a major role in assuring that firms can maintain the cost and competitive edge required to be successful.

Business Administration Major

Finally, students with specific career and professional goals can tailor a specialized degree within the department to fit their individual needs. Once approved, this major would fall within the general Business Administration category and would prepare the student for his or her own specific career path.

Students with specific career and professional goals can tailor a specialized degree to fit their needs.

The Department of Business Administration is one of the larger departments on campus as measured by enrolled students. The department presently accommodates approximately 500 declared majors in the final two years of their study. These majors are supported by thirteen full-time faculty members who have received their training at some of the finest universities in the country.

Ecosystems are focus of Fisheries and Wildlife Dept.

The Department of Fisheries and Wildlife offers comprehensive educational opportunities for students interested in the analysis and management of fish and wildlife populations, their habitats and the related ecosystems. The mandate of the fisheries and wildlife profession has expanded over the past 30 years. The traditional focus on

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Fisheries, Wildlife

management for a harvestable surplus of animals has expanded to include management for non-game and endangered species, management for the protection of biodiversity, and management of wildlife interactions with humans. Fisheries

and Wildlife prepares students for careers in policy, management and research in each of these areas of emphasis.

The Department's philosophy of education is to promote a broad interdisciplinary approach to natural resource analysis and management. Students in the Fisheries and Wildlife major begin by taking courses which provide an overview of resource management principles, ecology, natural history, biology, chemistry, and physics. Courses in calculus and statistics help students to organize, analyze and interpret information. Courses in English composition and research writing help students to communicate this information to employers, other professionals, and the public. Advanced coursework in fisheries, wildlife, and advanced elective coursework round out the curriculum.

All Fisheries and Wildlife majors complete a 77-78 credit hour core of required courses in organismal biology, behavior, population ecology, ecosystem ecology, resource policy, principles of fisheries and wildlife management, and field techniques. Majors also take an additional 21-22 credit hours of elective coursework. To prepare majors to engage in a variety of professional pursuits, this elective requirement may be satisfied with either a liberal arts and science orientation or an individually-tailored sciences orientation. Most majors choose to complete the recommended courses in one of the areas of special interest; wildlife, fisheries, wildlife damage management, conservation biology and law enforcement.

The requirements for a Fisheries and Wildlife major, along with University and General Education requirements, are summarized in the Fisheries and Wildlife Curriculum Guide. This is available in the Fisheries and Wildlife Dept. Office in the Natural Resources Building, Room 206.

Fisheries and Wildlife professionals occupy an expanding niche in the fields of natural resources and environmental management. Graduates in Fisheries and Wildlife often work as wildlife management biologists, fisheries management biologists, conservation officers, or fish hatchery biologists. Employees in entry-level positions frequently work directly with wildlife, fish, habitats, and the public. With experience and advanced education, Fisheries and Wildlife graduates may do management planning, systems analysis, and environmental or resource impact analyses.

Federal agencies, such as the Fish and Wildlife Service, Forest Service, Bureau of Land Management, Bureau of Land Reclamation, U.S. Army Corps of Engineers, Bureau of Indian Affairs, Environmental Protection Agency, and the National Park Service hire students with degrees in Fisheries and Wildlife. Graduates also find employment with state conservation agencies, private environmental consulting firms, private game farms, hunting and fishing preserves, refuges, energy development firms, and others.

With additional education, Fisheries and Wildlife also provides a good foundation for careers in fields such as environmental law, journalism and secondary education.

Learn to learn: Center enhances learning and life skills

The Academic Resource Center, located in the Taggart Student Center, TSC 304A, promotes academic success by providing services and programs to enhance students' learning skills and strategies. The Center, through General Registration, also provides specific services for under-prepared students. These services and programs are free to students and include the following:

Assessment

Students can complete the Study Behavior Inventory (SBI), which assesses their study behaviors and study skills in eight categories. Personal strengths are identified and recommendations made for USU resources that students can use to improve their problem areas.

Advising

Students receive comprehensive academic advising to assist them in selecting appropriate course work to meet their general education requirements (University Studies) and to improve their g.p.a. Advising activities include:

- * course selection
- * learning skills assessment and instruction
- * MHR 1160 self-management class
- * referrals to other campus resources
- * transcript and records adjustment

ment

- *career guidance workshops
- *peer advising and mentoring
- USU America Reads

USU and the

ARC participates in the national America Reads Challenge program. The ARC hires and trains students to work as reading tutors in the local public schools to help struggling readers. Students who receive financial aid, have a cumulative g.p.a. of 2.75, and a genuine interest in tutoring young children in reading can contact the Center for an interview.

Classes

Psy 1730 Strategies for Academic Success: 3 credits. Discussion and application of important study strategies for college success. Includes test taking, textbook reading, note taking, time management, and campus resources.

Psy 1750 Comprehension Strategies for College Reading: 2 credits. A practical application course that stresses important textbook reading and critical thinking strategies.

MHR 2160 Tutor Certification: 1 credit. Students working as academic or literacy tutors receive training in effective tutoring strategies, resulting in national certification.

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Academic Resources

Idea Sheets
Idea Sheets provide information and strategies on approximately 40 study and self-management skills topics. Weekly and semester planning calendar forms are also available.

Individual instruction

The ARC provides individual assistance with a variety of study skills including test anxiety, textbook reading, and test preparation strategies. Schedule an appointment by coming to the Taggart Student Center Room 302.

Tutoring

The ARC provides free drop-in math tutoring for undergraduate math and statistics courses in the Taggart Student Center Room 304A, Lundstrom Student Center, and other classroom buildings and selected residence halls. Tutoring for writing is also available in TSC 304A. A schedule of ARC tutoring is posted in the Center each semester.

The ARC publishes the Tutor Directory, which contains information about free tutoring provided by the ARC and all academic departments such as English, Accounting, Physics and Computer Science. The directory is published on the World Wide Web at Click on "Tutoring and Supplemental Instruction".

Supplemental Instruction (SI)

The SI program is provided for selected University Studies (General Education) courses, which are identified each semester in the Schedule of Classes. Students enrolled in a SI course section can attend group study sessions led by a trained SI leader, during which they review class material, prepare for tests, and learn effective study skills.

Videos

Study skills videos are available to view in the Center, providing information and strategies that can improve your academic performance.

Web site

The ARC maintains a Web site at <http://www.usu.edu/~acaserv/center/frames/lcframes.html>. This site contains the Tutor Directory, Idea Sheets, the P.A.S.S test anxiety management program, and many other college learning skills resources.

Workshops

ARC workshops can be conducted for student groups or classes on a variety of study and self-management skills topics. To schedule a workshop, contact the Center at 797-1128.

Why Study Nutrition?

The Nutrition Science major is for students who are interested in studying the molecular and cellular basis of human health and disease. Nutrition Science is a multi-disciplinary program. You will learn how to apply molecular, cellular, genetic, and biochemical techniques to cutting-edge nutrition issues. You will also learn how laboratory, clinical, and epidemiological studies are used to learn about nutrition.

Students will become acquainted with advanced technology that will guarantee a modern education in science. Nutrition Science majors study:

- *nutrient needs during the life cycle

- *physical activity and nutrition
- *how nutrients interact in the body
- *regulation of nutrient actions via cell receptors
- *how nutrients direct cell responses, e.g., through altered gene expression or second messengers
- *Biological markers of nutrition status
- *Career Opportunities
- Skills and knowledge obtained in Nutrition Science can be applied to a number of exciting and challenging careers:
- *Biomedical research
- *Molecular epidemiology
- *Nutritional epidemiology
- *Clinical studies of human nutrition

*Government agencies

*Nutraceuticals

The undergraduate Bachelor of Science degree qualifies Nutrition Science students to find employment in industry or academic laboratories, government agencies; or it can be used as preparation for medical or graduate school. Faculty Interests Nutrition Science faculty are engaged in a variety of state-of-the art research projects which enhance undergraduate education. Opportunities exist for undergraduate employment in research labs. A summary of research projects include:

- *Gene markers and risk factors for breast cancer in healthy adults
- *Diet and hip fracture in older Utahns
- *Folate metabolism in Asian populations
- *Calcium intake among adolescents
- *Regulation of vitamin D metabolism in relationship to calcium and phosphate transport in the intestine.

For more information, contact Deb Gustafson (435) 797-2126, deb@cc.usu.edu

Career Exploration

Resource Center

U Inn 101

**Too many career interests?
Not sure how to narrow the field?**

Ask us about:

- The career/life planning class (Psy 1220)
- The SIR/TV model of career exploration
- Resources: books, tapes, webs sites, etc.
- Computerized programs
- Interest & personality assessments
- Individualized career counseling

●797-1138●

Start Somewhere & Keep Going!

Earn Credit by Exam with

CLEP

General Education credit (up to 26 hrs.) available by examination in these areas:

ENGLISH - HUMANITIES -
 SOCIAL SCIENCES - LIFE
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Specific Subject Credit Available in 16 academic areas!

\$40 per test ... 90 minutes ... by appointment ... University Inn 115 ... 797-1004

TESTING SERVICES

Get to know services found in health center

MISSION: The purpose of the Student Health Services is to provide outpatient services and a primary care clinic. The Student Health service provides students with the services of three physicians, three nurses, a laboratory technologist, pharmacists, health educator, GYN Women's Clinic and Orthopedic Screening Clinic.

LOCATION: The Student Health Service is located in the Taggart Student Center, Room 102. The telephone number is 797-1660.

SERVICES: ALL FULL-TIME STUDENTS registered for one credit or more are entitled to use of the Health Service. Faculty, staff, dependents and spouses of students are not eligible for care unless they are students. Appointments are required to see the physicians. Time slots are available according to the severity of the problem.

OUTPATIENT CLINIC SERVICE provides primary care for acute and subacute illness or injury. Students requiring special consultation may be referred to appropriate physicians. (Referrals are not financed by the Student Health Service).

DIAGNOSTIC LABORATORY tests are available when ordered by the Student Health Service physicians. There is a charge for all laboratory testing. Payment is due at the time of service. Some tests are sent to Logan Regional Hospital for a fee.

PHARMACY SERVICE. Prescriptions are filled for a fee, when prescribed by a physician. Hours are limited.

IMMUNIZATIONS are offered when indicated. Not all vaccines are available. Allergy "shots" may be given with the proper consultation and a letter from your allergist.

LIMITED EMERGENCY SERVICES are provided to students for acute medical illness or injury. In life threatening emergencies, dial 911. DO NOT call the Health Service.

CLINICS are offered for specialty services which include health education, orthopedics and gynecology. Appointments are limited and there is a fee for this service.

REFERRAL SERVICE is offered for special problems, illnesses or injuries which cannot be taken care of in the Student Health Service. Special assistance through the Counseling Center is available for students.

STUDENT HEALTH INSURANCE is offered at a group rate for students. This covers many injuries and illnesses NOT COVERED by the Health Service. This is helpful when the Health Service is closed or hospitalization is needed. Health insurance for "outside-downtown" referral or emergency is not mandatory but is an important consideration in the health care delivery system. Contact Steve Jennings for questions or claim problems at 797-0066. Hours: Mon.-Wed. 8:30-noon.

Health Insurance is very important because of the high cost of health care in the United States. Utah State University provides an excellent health care and insurance program at a very competitive cost.

Eighty percent of services are covered after the co-pay has been satisfied if you receive a referral from the Student Health Center and use a physician or hospital that participates in our plan; 70% or less of services are covered if you use a "non-participating" physician or hospital with a referral. Brochures with application forms are available in TSC 102.

FALL PREMIUMS ♦ HEALTH INSURANCE

	\$30,000 Plan	\$250,000 Plan
Single	\$264	\$312
Student/Spouse	\$919	\$1094
Student/One Child	\$533	\$632
Student/Children	\$761	\$902
Student-Spouse/1 child	\$1170	\$1390
Student-Spouse/ Children	\$1437	\$1702

BIOLOGY: It's about life!

Challenging, exciting, rewarding. Majoring in Biology at Utah State is all of these things...and more. Biology -- the science of living things -- offers students numerous educational and career opportunities.

Utah State's Department of Biology is the largest of the six departments in the College of Science. With over 800 undergraduates and 80 graduate students, it is also the second largest department on campus. These students are taught or mentored by a diverse public Health (BS only). In addition to regular course work, opportunities exist for undergraduate research. Undergraduate research allows students to have a hands-on experience with an actual project in a research laboratory. Students should contact the faculty member with whom they are interested in working before they register through the department head's office (BNR 121). If more information is needed before talking with a faculty member, students may contact their advisor or the department's administrative assistant, Liz Allred (BNR 125).

The Undergraduate Advising Center for the Department of Biology is located in BNR 101 (Tel: 797-3203 or 797-2486). The Director of Undergraduate Studies is Dr. Richard J. Mueller. All undergraduate students are encouraged to work closely with the advising center during their entire college career so that all requirements for graduation are met. E-mail bulletins are sent out regularly to biology majors. If students want to receive these bulletins, they should contact Judy Schalow (Tel: 797-3203; or e-mail: judy@biology.usu.edu) and give her their e-mail address. The e-mail bulletins provide notices on such things as course changes, upcoming deadlines to add or drop classes, deadlines for submission of graduation packets, etc.

The Prehealth Professions Program (premed, pre-dent, prehealth) for the university is housed in the Department of Biology. Students interested in this program may choose any major but should work closely with the prehealth professions advisor, Dr. Andy Anderson (Tel: 797-1913), and the prehealth professions coordinator, Ms. Susan Haddock (Tel: 797-2486

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Biology

or 797-3203), to ensure that all requirements for acceptance into medical or dental school are met. Prehealth students may also participate in the honorary society Alpha Epsilon Delta (AED).

An Associate Degree in Nursing is administered for Weber State University by the Department of Biology. While students must be admitted to USU for this particular program, it is also necessary to submit a nursing application to Weber State University. Students must be admitted to Weber State University prior to submitting a nursing application. Any questions? Contact the advising office.

The Public Health Program at USU is one of the best in the country. Mr. David Wallace (Tel: 797-7155) may be contacted for information about the program and career opportunities for those with a BS degree.

Students interested in teaching at the middle or high school level should contact Dr. Mueller (Tel: 797-2486 or 797-3203), advisor for the BS or BA degree in Composite Teaching - Biological Sciences.

Graduate degrees (MS and PhD) are offered in Biology and Biology Ecology with options in several emphasis areas: animal behavior, developmental biology, ecology, evolution, insect biology, neurobiology, molecular biology, physiology (animal, microbial, plant), plant pathology, plant systematics, toxicology, vertebrate zoology, and virology. Students interested in pursuing a graduate degree in biology may contact individual faculty members in their area of interest, Dr. John M. Stark, Director of Graduate Studies (Tel: 797-3518), or the Coordinator of Graduate Studies, Nancy Kay Harrison (Tel: 797-1770, BNR 137).

The biology undergraduate and graduate learning experience is also supported by multiple department facilities: greenhouses, an extensive insect collection, the Intermountain Herbarium, an NIH-approved small animal facility, an electron microscope with SEM and TEM equipment, a laser scanning confocal microscope, a DNA sequencer, and a large assembly of equipment for modern cell and molecular biology.

With so much left to discover, biology offers the perfect springboard into an exploration of life. Come join us!

Advising Center helps HASS, Science students with problems

The College of Science/HASS Advising Center provides general academic advising for all students in the College of HASS and specifically Liberal Arts and Sciences major and certificate advising for students in the College of Science. Undeclared students, all HASS students

and those students interested in the LAS certificate or major, the Interdisciplinary major or the International Studies major are welcome to explore the services of the Center.

In addition to providing advising for the above, the Center also provides for the following:

●Coordination of SOAR and other orientation programs for the College of HASS

●Review of graduation papers, drop/add forms, petitions for academic adjustment, review of graduation papers and requirements, determination of Dean's list, academic status, and other such activities for the College of HASS

●Review and approval of Area Studies Certificates
The Study Abroad program is also located in the Center and provides students with opportunities to explore educational pursuits overseas.

The Center is located in TSC 304. Advisors are available during regular work hours, from 8:00 am - 5:00 pm and on Tuesday evenings from 5:00 pm - 7:00 pm. Student peer advisors are also available during the school year. Appointments are encouraged and can be made by calling (435)797-3883. Students are also encouraged to visit our web site at www.usu.edu/~shac/.

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HASS/Science
Advising Center

Continuing Ed. and Conference Services: Variety of opportunities

Could you benefit from attending an international conference related to your area of interest? Would a travel study tour to London, Paris or New York City enhance your educational experience? Would an internship in the fast-paced



conferencing environment provide valuable work experience before graduation?

Continuing Education Conference Services provides educational opportunities such as these for people of all ages.

During its history, the conference staff has served a broad spectrum of local, regional, national, and international clientele. Each year more than 200 educational programs are conducted in conjunction with students, educators, professionals, corporate and government employees. These programs attract more than 30,000 participants each year. The majority of programs are held on campus in the Eccles Conference Center; however, programs are also arranged throughout the intermountain region. Conference Services

This year marks the final and 20th Annual Decorative Painting Conference and Rocky Mountain Exhibition held on USU's campus. The five-day conference is scheduled for September 5-9, and is expected to accommodate over 450 painters and instructors and 40 vendors. This year's conference highlights include an Art Show and Historic Art Display in the International Student Lounge as well as various acrylic (tole) painting, watercolor, oil, and mixed media classes being offered. The exhibition is open to the public Thursday through Saturday and features vendors from across the country presenting the latest in supplies, patterns, techniques, wood pieces and other

paintable surfaces. In addition, there will be hourly shopping gift certificate giveaways, and free teacher demonstrations and make-it-take-its. The exhibition is ideal for crafters, decorative artists and painters of all skill levels. Don't miss the last chance to SHOP TIL YOU DROP! More information can be found on the Decorative Painting web site at www.ext.usu.edu/confer/dpc/ or by calling 800-5538-2663 or 435-797-0423.

The year 2001 brings with it the Thirteenth Annual Software Technology Conference (STC) held annually in Salt Lake City. STC is the premiere software technology conference in the Department of Defense and is co-sponsored by the Departments of the Air Force, Army, and Navy, the Defense Information Systems Agency (DISA), and USU Extension. It features cutting edge technical presentations in areas such as software development, data management, eCommerce, CMM, CMMI, and XML. Presentations are geared toward the 3,000+ attendees from the military services, government agencies, defense contractors, industry, and academia. The accompanying trade show allows the over 180 exhibiting organizations to demonstrate the newest technology and proven solutions to information technology professionals. STC 2001 is scheduled for April 29 - May 4 at the Salt Palace Convention Center. For more information visit the STC web site at www.stc-online.org or call us at 800-5538-2663 or 435-797-0423.

New to the Conference Services line up is the International Conference on Acoustics, Speech, and Signal Processing (ICASSP) to be held May 7-11 at the Salt Palace Convention Center. The ICASSP meeting is the world's largest and most comprehensive technical conference focused on signal processing and its applications. The theme for 2001 is "DSP Everywhere" and will

feature world-class plenary speakers, tutorial presentations, and over 50 lecture and poster sessions on theoretical and application-oriented advances. Sponsored by the IEEE Signal Processing Society. More information can be found on the ICASSP web site at www.icassp2001.org/ or by calling 800-538-2663 or 435-797-0423.

Travel Study Programs

Continuing Education Travel Study Tour programs offer unique educational experiences that are available to everyone. The tours are designed to offer participants an educational travel experience, as well as the opportunity to earn academic credit. Students can enhance their educational experience with international visits to Nepal and Italy or stay closer to home with visits to San Francisco or New York.

Travel tours are usually a minimum of five days and not more than twenty days in length. The tours are not designed for intense study but highlight sites seen with insightful information about their history and significance. An Enrichment Lecturer or USU professor who has extensive knowledge of the destination accompanies each tour.

Some of this year's Exploring the Globe tours include: Syria, Jordan, and Lebanon (registration deadline is Oct 1, 2000), San Francisco Art Tour, New York City Art Tour, Nepal Geographical Adventure, Italy Art History, and Portugal and Spain Flower Garden and Landscape Architecture. For information on how to participate, call 797-3032 or visit our website at www.ext.usu.edu/explore.

Summer Credit Workshop Programs - Earn One to Three Credits in One Week or Less!

Did you know you could earn one to three university credits in five days or less during the summer? During the months of May, June, July and August,

Summer Credit Workshops provide students with the opportunity to participate in intensive weeklong courses not offered during the academic year. The Summer Credit Workshop Program allows students to interact with visiting scholars from national and international centers of learning in over 70 workshops. The workshops cover a wide range of topics including business, history, art, computer animation, and outdoor recreation. For more information call 797-0462 or visit our website at www.ext.usu.edu/scw.

Bear River Institute

The Bear River Institute (BRI) provides students the opportunity to earn credit through outdoor hands-on experiences that use the natural world as a classroom. BRI supports existing university departments, creating interdisciplinary courses and tours which allow students and non-students alike an opportunity to learn in the outdoors. Participants explore topics of ecology, restoration, planning, folklore, recreation, and sustainability in three main regions: The Rocky Mountains, The Great Basin and The Colorado Plateau.

Begun in May 1999, BRI has had a very successful year offering several courses including: "Winter Mountaineering and Expedition," "Canyons of the San Rafael Swell," and "Climbing in the West Desert." BRI also offers training courses such as "Wilderness First Responder" and "Wilderness First Aid" taught by members of the Wilderness Medical Institute of NOLS.

BRI provides opportunities for participants who seek adventure and want an education beyond the classroom setting. Courses are offered for one or two credits and have eight to 14 spaces available. For more information about fall and spring courses call 797-7379 or visit our website at www.ext.usu.edu/bri.



see
<http://cilserver.ser.usu.edu>
for more information about
the CIL Exams.

HAVING TROUBLE PASSING THE CIL EXAMS?

Need an extra boost or motivation?

Takle USU 1000 and get the help you need!

USU 1000 is a one-credit, four-week course (beginning August 28, ending September 22) and is taught two times during the semester -- TR (7:30-8:45 and MWF (2:30-3:20).

The course is taught by the CIL Director. The index numbers for the two sections are:

●USU 1000, TR (7:30-8:45, 18453. ●USU 1000 MWF (2:30-3:20) 18454.

This information is on page 66 of the Fall Schedule Bulletin.