

2000-2002

***General
Catalog***

**Office of Advising and Transition Services
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Utah State University
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Logan UT 84322-0114**

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This online catalog *does not dictate a student's degree requirements*. For undergraduate students, course requirements are shown on the major requirement sheet under which the student began his or her degree. For graduate students, the program of study is determined by the student's supervisory committee.

Catalog information and University requirements may change at any time. USU is not bound by requirements or regulations listed in this catalog. Information may change before a new catalog is placed online, and students must adhere to changes. It is the student's obligation to ascertain current rules, regulations, fees, and requirements. This online catalog is the most up-to-date version and contains information which is more current and correct than the printed version. Because the online catalog incorporates changes as they are approved, some of the information in this catalog may not yet be in effect. Students should consult their undergraduate advisor or graduate supervisory committee for more information. For 2001-2002, Web-based catalog information will be official.

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To obtain a printed copy of this catalog, phone Express-a-book at one of the following numbers: 1-(800) 662-3950, (435) 797-3950, or FAX (435) 797-3793.

Course Descriptions

Course descriptions in this catalog are an overview and generally reflect what will be taught, but students should not rely on them as a guarantee of what they will be taught in a given semester.

Assumption of Risk

Some classes, programs, and extracurricular activities within the University involve some risk and some may also involve travel. The University provides these programs on a voluntary basis, and students ought not participate in them if they do not care to assume the risks. Students ought to inquire as to possible risks a program may generate, and if they are not willing to assume the risks, they should not select that program. By voluntarily participating in these types of classes, programs, and extracurricular activities the student agrees not to hold USU or its staff liable.

Equal Opportunity/Affirmative Action

Utah State University is committed to providing equal educational and employment opportunity regardless of race, sex, color, religion, national origin, marital or parental status, physical or mental disability, veteran status, or age. USU also has a policy

Credits

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Cover Design and Photography: *Jan H. Benson*, Assistant Director, Office of Recruitment/Enrollment Services

Cover Photography: USU Photo Services; *Gary L. Neuenswander*, Media Specialist, Utah Agricultural Experiment Station

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prohibiting sexual harassment of students, faculty, and staff. Equal opportunity applies to all aspects of employment: recruiting, hiring, promoting, training, benefits, and salary. Equal educational opportunities include admission, access to course offerings, financial assistance, housing, and extracurricular activities.

Privacy Rights

In compliance with the Family Educational Rights and Privacy Act of 1974, Utah State University has developed policy guidelines which (1) provide that eligible students will have access to inspect and review their educational records, and (2) protect the rights of a student to privacy by limiting access to the educational record without express written consent. **Note:** There are restricted situations in this act where access to an educational record **does not** require the express written consent of the student. For further information, see the *Privacy Rights* section on pages 18-19.

University Smoking Policy

Utah State University conforms to the provisions of the 1992 Utah House Bill No. 197—Clean Air in Government Buildings, Utah Code Section 76-10-106. The provisions of this bill include the following: (a) A person may not smoke in a building, or portion of a building, that is owned, leased, or occupied by the state or any state agency; (b) Designated smoking areas in buildings are prohibited under this subsection; and (c) This subsection takes precedence over any conflicting provision of this section.

It is the responsibility of all University staff and students to adhere to this policy and to appropriately inform campus visitors of its provisions. Deans, department heads, and other supervisory personnel are responsible for the enforcement of the policy.

Materials for Persons with Disabilities

This catalog is available in large print, disk, audio, and braille format upon request to the USU Disability Resource Center.

UTAH STATE UNIVERSITY BULLETIN

USPS 6542-6000

Utah State University Bulletin, Volume 00, Number 3, April/May 2000. Issued eight times yearly at Logan, Utah 84322-9900, in March, June, July, August, and September, with joint issues in January/February, April/May, and October/November/December.

Periodicals postage paid at Logan, Utah. 16,000 copies printed.

Postmaster: Send address changes to Utah State University, Advising and Transition Services, 0114 Old Main Hill, Logan UT 84322-0114.

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Utah State University

The academic advantages of a large university together with the friendliness of a small college are offered at Utah State University. With a student body of more than 23,000, USU recognizes that the needs of the individual are of major importance, and many programs have been established to give the student the optimum of individual attention.

With 45 departments in eight academic colleges, a School of Graduate Studies, University Extension, and several research programs, Utah State University offers an excellent opportunity for students to study a wide range of subjects.

USU was founded in 1888 as part of the public educational system of Utah and operates under the constitution and laws of the state. It belongs to the family of institutions known as land-grant universities, which had their origin in 1862. The institution was originally called the Agricultural College of Utah, later becoming Utah State Agricultural College. The state legislature designated the name change to Utah State University in 1957.

A sixteen-member State Board of Regents governs the Utah state system of higher education. This board has the responsibility for state-wide master planning for higher education, assignment of roles to the several institutions in the state system, and control of operating and capital budgets for the institutions. USU has a

ten-member Board of Trustees which is responsible for implementing the assigned roles, including the appointment of personnel and the enactment of rules and governing regulations.

USU is governed by the State Board of Regents and accredited by Northwest Association of Schools and Colleges, National Council for Accreditation of Teacher Education, American Psychological Association, American Association of Family and Consumer Sciences, the American Assembly of Collegiate Schools of Business, Utah State Board of Education—Teacher Education Program, Council on Rehabilitation Education, Accrediting Board of Engineering and Technology, American Society of Landscape Architects, Commission on Accreditation—Council on Social Work Education, American Chemical Society, Society of American Foresters, National League of Nursing Accrediting Commission, Council on Academic Accreditation of the American Speech-Language-Hearing Association (ASHA), American Dietetic Association, Foundation for Interior Design, Education, and Research, National Association of Schools of Music, Utah State Board of Vocational Education, and the Society for Range Management. USU is a land-grant and a Carnegie Foundation “Research University I” institution. Credit earned at USU is fully transferable to other universities and colleges in the United States of America.

Utah State University Mission Statement

Utah State University integrates teaching, research, extension, and service to meet its unique role as Utah’s land-grant university. Students are the focus of the University as they seek intellectual, personal, and cultural development.

The mission of Utah State University is to provide high-quality undergraduate and graduate instruction, excellent general education, and specialized academic and professional degree programs. USU is committed to preparing students to serve the people of Utah, the nation, and the world.

USU provides nationally and internationally acclaimed programs of basic and applied research. USU engages in research to

further the quest for knowledge and to help society meet its scientific, technological, environmental, economic, and social challenges.

Outreach to Utah’s citizens through extension and service programs is central to the University’s mission. The University’s outreach programs provide to individuals, communities, institutions, and industries throughout the state, services that help improve technology, the environment, and quality of life.

In all its endeavors, the University is committed to developing responsible citizens through freedom of inquiry and expression, and through its best efforts in teaching, research, creative arts, extension and service, and encouraging cultural diversity.

Calendar

2000-2001

Summer Session 2000

May 8-June 2	Early Session
May 8-August 4	12-week Session
June 5-9	Workshop Break Week
May 29, July 4, July 24	Holidays
August 4	Test Day
June 5-9	First Workshop Week
June 12-August 4	8-week Session
June 12-July 7	First 4-week Session
July 4	Holiday (Independence Day)
July 10-August 4	Second 4-week Session
July 24	Holiday (Pioneer Day)
August 7-11	Second Workshop Week

Fall Semester 2000

August 28	Classes begin
September 4	Holiday (Labor Day)
November 22-24	Thanksgiving break
December 4-8	No-test week
December 8	Last day of classes
December 11-15	Final examinations

Spring Semester 2001

January 8	Classes begin
January 15	Holiday (Martin Luther King, Jr. Day)
February 19	Holiday (Washington and Lincoln Day)
March 12-16	Spring Break
April 23-27	No-test week
April 27	Last day of classes
April 30-May 4	Final examinations
May 4, 5	Graduation

2001-2002

Summer Session 2001

May 7-June 1	Early Session
May 7-August 3	12-week Session
June 4-8	Workshop Break Week
May 28, July 4, July 24	Holidays
August 3	Test Day
June 4-8	First Workshop Week
June 11-August 3	8-week Session
June 11-July 6	First 4-week Session
July 4	Holiday (Independence Day)
July 9-August 3	Second 4-week Session
July 24	Holiday (Pioneer Day)
August 6-10	Second Workshop Week

Fall Semester 2001

August 27	Classes begin
September 3	Holiday (Labor Day)
November 21-23	Thanksgiving break
December 3-7	No-test week
December 7	Last day of classes
December 10-14	Final examinations

Spring Semester 2002

January 7	Classes begin
January 21	Holiday (Martin Luther King, Jr. Day)
February 18	Holiday (Washington and Lincoln Day)
February 19-22	Winter Olympics (no classes)
March 29	Spring Break
April 22-26	No-test week
April 26	Last day of classes
April 29-May 3	Final examinations
May 3, 4	Graduation

For calendar items relating to graduate students *only*, see the *Graduate Calendar* on pages 68-69.

Utah State Board of Regents

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Dean, College of Education:	Gerard R. Giordano
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Dean, College of Family Life:	Bonita W. Wyse
Dean, College of Humanities, Arts and Social Sciences:	Elizabeth S. Grobsmith
Dean, College of Natural Resources:	F. E. "Fee" Busby
Interim Dean, College of Science:	Donald W. Fiesinger
Dean, School of Graduate Studies:	Thomas L. Kent

Colleges

Agriculture; Donald L. Snyder, Interim Dean (01-01-01 to 12-31-01); Agricultural Science 223; UMC 4800; 797-2215

Business; David B. Stephens, Dean; Business 212; UMC 3500; 797-2272

Education; Gerard R. Giordano, Dean; Education 109; UMC 2800; 797-1437

Engineering; A. Bruce Bishop, Dean; Engineering Class 110; UMC 4100; 797-2775

Family Life; Bonita W. Wyse, Dean; Family Life 203B; UMC 2900; 797-1538

Humanities, Arts and Social Sciences; Elizabeth S. Grobsmith, Dean; Main 338; UMC 0700; 797-1195

Natural Resources; F. E. "Fee" Busby, Dean; Natural Resources 108; UMC 5200; 797-2445

Science; Donald W. Fiesinger, Interim Dean; Science Engineering Research 101; UMC 4400; 797-2478

School of Graduate Studies; Thomas L. Kent, Dean; Main 164; UMC 0900; 797-1191

Continuing Education; Jack M. Payne, Dean; Agricultural Science 209/Eccles Conference Center 101; UMC 5000; 797-2134

Instructional Units and Programs

Accountancy, School of; Clifford R. Skousen, Head; Business 511; UMC 3540; 797-2331

Aerospace Studies; Lt. Colonel Walter E. Fink III, Head; Military Science 107; UMC 9590; 797-8723

Agricultural Systems Technology and Education; Gary S. Straquadine, Head; Agricultural Systems Technology and Education 101C; UMC 2300; 797-2230

Animal, Dairy and Veterinary Sciences; Mark C. Healey, Head; Agricultural Science 230; UMC 4815; 797-2162

Art; John Neely, Interim Head; Fine Arts Visual 122; UMC 4000; 797-3460

Biological and Irrigation Engineering; Wynn R. Walker, Head; Engineering Class 216; UMC 4105; 797-2785

Biology; Edmund D. Brodie, Jr., Head; Biology-Natural Resources 121; UMC 5305; 797-2485

Business Administration, Department of; Philip R. Swensen, Head; Business 811; UMC 3510; 797-2362

Business Administration, Master of; C. R. Michael Parent, Associate Dean for Business Graduate Studies; Business 302; UMC 3535; 797-2360

Business Information Systems; Lloyd W. Bartholome, Head; Business 711; UMC 3515; 797-2342

Chemistry and Biochemistry; Steve Scheiner, Head; Maeser Laboratory 140; UMC 0300; 797-1620

Civil and Environmental Engineering; Loren R. Anderson, Head; Engineering Laboratory 211; UMC 4110; 797-2932

Communicative Disorders and Deaf Education; James C. Blair, Head; Lillywhite 103; UMC 1000; 797-1388

Computer Science; Donald H. Cooley, Head; Main 414; UMC 4205; 797-2451

Ecology, Interdepartmental Program in; Martyn M. Caldwell, Director; Natural Resources 314; UMC 5205; 797-2555

Economics; Keith R. Criddle, Head; Business 615; UMC 3530; 797-2310

Education, Interdepartmental Doctoral Program in; Gerard R. Giordano, Chair; Education 109; UMC 2800; 797-1437

Electrical and Computer Engineering; Randy L. Haupt, Head; Engineering Laboratory 149; UMC 4120; 797-2840

Elementary Education; Bernard L. Hayes, Interim Head; Education 385A; UMC 2805; 797-0385

English; Jeffrey Smitten, Head; Ray B. West 201; UMC 3200; 797-2733

Family and Human Development; Shelley L. Knudsen Lindauer, Interim Head; Family Life 211; UMC 2905; 797-1501

Fisheries and Wildlife; Chris Luecke, Interim Head; Natural Resources 206; UMC 5210; 797-2459

Forest Resources; Terry L. Sharik, Head; Natural Resources 208; UMC 5215; 797-3219

Geography and Earth Resources; Ted J. Alsop, Interim Head; Natural Resources 346; UMC 5240; 797-1790

Geology; John W. Shervais, Head; Geology 205; UMC 4505; 797-1273

Health, Physical Education and Recreation; Arthur R. Jones, Head; Physical Education 122; UMC 7000; 797-1495

History; Norman L. Jones, Head; Main 323; UMC 0710; 797-1290

Honors Program; David F. Lancy, Director; Merrill Library 374; UMC 3015; 797-2715

Human Environments; Gong-Soog Hong, Head; Family Life 320A; UMC 2910; 797-1558

Industrial Technology and Education; Maurice G. Thomas, Head; Industrial Science 112E; UMC 6000; 797-1795

Instructional Technology; Byron R. Burnham, Head; Education 215A; UMC 2830; 797-2692

Intensive English Language Institute; Franklin I. Bacheller, Director; Main 067; UMC 0715; 797-2081

Journalism and Communication; Edward C. Pease, Head; Animal Science 310; UMC 4605; 797-3292

Landscape Architecture and Environmental Planning; Karen C. Hanna, Head; Fine Arts Visual 230; UMC 4005; 797-0500

Languages and Philosophy; Diane P. Michelfelder, Head; Main 204; UMC 0720; 797-1209

Liberal Arts and Sciences Program; Office of the Provost; Main 142; 797-1706

Management and Human Resources; Caryn L. Beck-Dudley, Head; Business 411; UMC 3555; 797-2787

Mathematics and Statistics; Russell C. Thompson, Head; Lund Hall 215; UMC 3900; 797-2810

Mechanical and Aerospace Engineering; J. Clair Batty, Head; Engineering Laboratory 178; UMC 4130; 797-2867

Military Science; Major S. Rand Curtis, Head; Military Science 205; UMC 9595; 797-0949

Molecular Biology, Interdepartmental Specialization in; Joseph K.-K. Li, Director; Veterinary Science Building 323; UMC 5305; 797-1914

Music; Bruce M. Saperston, Head; Fine Arts 107; UMC 4015; 797-3036

Natural Resource and Environmental Policy, Interdisciplinary Certificate Program in; Joanna Endter-Wada, Director; Natural Resources 355B; UMC 5215; 797-2487

Nursing Program, Cooperative; Operated under College of Science in cooperation with Weber State University; Joanne Duke, Coordinator; Lundberg Building 201; UMC 2600; 797-1515

Nutrition and Food Sciences; Von T. Mendenhall, Head; Nutrition and Food Sciences 212; UMC 8700; 797-2126

Physics; W. John Raitt, Head; Science Engineering Research 250A; UMC 4415; 797-2848

Plants, Soils, and Biometeorology; Larry A. Rupp, Head; Agricultural Science 322-C; UMC 4820; 797-2233

Political Science; Randy T. Simmons, Head; Main 320A; UMC 0725; 797-1310

Psychology; David M. Stein, Head; Education 487E; UMC 2810; 797-1460

Rangeland Resources; G. Allen Rasmussen, Interim Head; Natural Resources 210; UMC 5230; 797-2471

Secondary Education; Kay Camperell, Interim Head; Education 330; UMC 2815; 797-2222

Social Sciences, Interdepartmental Program in; Elizabeth S. Grobsmith, Dean; Main 338; UMC 0700; 797-1195

Sociology, Social Work and Anthropology; Gary H. Kiger, Head; Main 224; UMC 0730; 797-1230

Special Education and Rehabilitation; Charles L. Salzberg, Head; Education 313A; UMC 2865; 797-3243

Theatre Arts; Colin B. Johnson, Head; Fine Arts Center 232A; UMC 4025; 797-3046

Toxicology, Interdepartmental Program in; Roger A. Coulombe, Jr., Director; Animal Science 213; UMC 4620; 797-1600

Watershed Science (College of Natural Resources Interdepartmental Program); John C. Schmidt, Acting Director; Natural Resources 132; UMC 5240; 797-8630

Notes: The area code for all phone numbers listed above is 435. To dial a number with a “797” prefix from an on-campus telephone, dial “7,” followed by the last four digits of the telephone number. The four-digit UMC (University Mail Code) number should precede “Old Main Hill” and should be added to the University zip code (84322) to make a nine-digit zip code on mail coming from off-campus. (Example: Political Science Department, Utah State University, 0725 Old Main Hill, Logan UT 84322-0725.)

Degrees Offered at USU

College of Agriculture

Agricultural Systems Technology and Education

Agricultural Education—BS, BA
 Agricultural Machinery Technology—One-year Certificate, AAS
 Agricultural Systems Technology—BS, BA, MS

Animal, Dairy and Veterinary Sciences

Animal Science—BS, BA, MS, PhD
 Bioveterinary Science—BS, BA, MS, PhD
 Dairy Science—BS, BA, MS
 VoTech Dairy Herdsman—One-year Certificate

Economics

Agribusiness—BS
 Agricultural Economics—BS
 Applied Economics—MS
 Economics—BS, BA, MS, MA, PhD
 International Agribusiness—BA

Nutrition and Food Sciences

Nutrition and Food Sciences—BS, BA, MS, PhD
 Food Microbiology and Safety—MFMS
 Dietetics Administration—MDA

Plants, Soils, and Biometeorology

Biometeorology—MS, PhD
 Crop Science—BS, BA
 Environmental Soil/Water Science—BS, BA
 Horticulture—BS, BA
 Horticulture, Professional Studies in—MPSH
 Ornamental Horticulture—One-year Certificate, AAS
 Ecology—MS, PhD
 Plant Science—MS, PhD
 Soil Science—MS, PhD

Interdepartmental Program

Toxicology—MS, PhD

College of Business

Accountancy, School of

Accounting—BS, BA, MAcc
 Accounting Information Systems—BS, BA

Business Administration

Business Administration—BS, BA
 Finance—BS, BA
 Marketing—BS, BA
 Production Management—BS, BA

Business Information Systems

Business Information Systems—BS, BA, MS
 Business Information Technology and Education—BS, BA
 Marketing Education—BS, BA
 Office Systems Support—AAS
 Education—EdD*, PhD*

Economics

Economics—BS, BA, MS, MA, PhD
 Social Sciences—MSS*

Management and Human Resources

Human Resource Management—BS, BA
 Management—BS, BA
 Human Resources—MS
 Social Sciences—MSS*

College of Business Programs

Business—BS, BA
 (Dual major and 2nd BS only)
 Master of Business Administration—MBA

College of Education

Communicative Disorders and Deaf Education

Communicative Disorders and Deaf Education—BS, BA, MS, MA, MEd, EdS

Elementary Education

Early Childhood Education—BS, BA
 Elementary Education—BS, BA, MS, MA, MEd
 Education—EdD*, PhD*

Health, Physical Education and Recreation

Health Education Specialist—BS
 Health, Physical Education and Recreation—MS, MEd
 Parks and Recreation—BS
 Physical Education—BS

Instructional Technology

Instructional Technology—MEd, MS, EdS, PhD

Psychology

Psychology—BS, BA, MS, PhD

Secondary Education

Secondary Education—2nd BS, 2nd BA, MS, MA, MEd
 Composite Teaching—Social Studies—BS, BA
 Education—EdD*, PhD*

Special Education and Rehabilitation

Special Education—BS, BA, MS, MEd, EdS, PhD
 Rehabilitation Counseling—MRC
 Education—EdD*

Interdepartmental Doctorate in Education

Education—EdD, PhD

College of Engineering

Biological and Irrigation Engineering

Biological Engineering—BS
 Biological and Agricultural Engineering—MS, PhD
 Irrigation Engineering—MS, PhD

Civil and Environmental Engineering

Civil and Environmental Engineering—CE, MS, ME, PhD
 Civil Engineering—BS
 Environmental Engineering—BS

Electrical and Computer Engineering

Computer Engineering—BS
 Electrical Engineering—BS, MS, ME, EE, PhD

Industrial Technology and Education

Aeronautics—AAS
 Drafting—AAS
 Industrial Teacher Education—BS
 Industrial Technology—MS
 Industrial Technology
 (Aviation Maintenance Technology)—BS
 Industrial Technology
 (Electronics/Computer Technology)—BS
 Industrial Technology (Flight Technology)—BS
 Industrial Technology (Welding Engineering Technology)—BS

Mechanical and Aerospace Engineering
 Aerospace Engineering—BS
 Manufacturing Engineering—BS
 Mechanical Engineering—BS, MS, ME, PhD

College of Family Life

Family and Human Development
 Early Childhood Education—BS, BA
 Family and Human Development—BS, BA, MS, MFHD
 Family Life—PhD*

Human Environments

Apparel and Textiles—BS, BA
 Family and Consumer Sciences—BS, BA
 Family and Consumer Sciences Education—BS, BA
 Human Environments—MS
 Interior Design—BS, BA
 Family Life—PhD*

Nutrition and Food Sciences

Nutrition and Food Sciences—BS, BA, MS, PhD
 Dietetics Administration—MDA
 Food Microbiology and Safety—MFMS

Interdepartmental Program

Family Life—PhD

College of Humanities, Arts and Social Sciences

Art

Art—BA, BS, BFA, MA, MFA

English

American Studies—BS, BA, MS, MA
 English—BS, BA, MS, MA

History

History—BS, BA, MS, MA
 Social Sciences—MSS*

Journalism and Communication

Communication—MS, MA
 Journalism—BS, BA

Landscape Architecture and Environmental Planning

Landscape Architecture—BLA, MLA
 Bioregional Planning—MS

Languages and Philosophy

French—BA
 German—BA
 Philosophy—BA, BS
 Spanish—BA
 Speech—BA, BS
 Second Language Teaching—MSLT

Music

Music—BM, BA
 Music Therapy—BS, BA

Political Science

International Relations—One-year Certificate
 Political Science—BS, BA, MS, MA
 Law and Constitutional Studies—BS, BA

Sociology, Social Work and Anthropology

Anthropology—BS, BA
 Social Work—BS, BA
 Social Sciences—MSS*
 Sociology—BS, BA, MS, MA, PhD

Theatre Arts

Theatre Arts—BA, BFA, MA, MFA

Interdisciplinary HASS Program

Asian Studies—BA

Interdisciplinary HASS and Science Program

Liberal Arts and Sciences—BA

College of Natural Resources

Fisheries and Wildlife

Ecology—MS, PhD
 Fisheries Biology—MS, PhD
 Fisheries and Wildlife—BS
 Wildlife Biology—MS, PhD

Forest Resources

Environmental Studies—BS
 Ecology—MS, PhD
 Forestry—BS, MS, PhD
 Recreation Resource Management—BS, MS, PhD

Geography and Earth Resources

Geography—BS, BA, MS, MA

Rangeland Resources

Ecology—MS, PhD
 Range Science—MS, PhD
 Rangeland Resources—BS

Interdisciplinary Natural Resources Programs

Natural Resources—MNR
 Watershed Science—BS, MS, PhD

College of Science

Biology

Biology—BS, BA, MS, PhD
 Ecology—MS, PhD
 Public Health—BS
 Composite Teaching—Biological Science—BS, BA

Chemistry and Biochemistry

Biochemistry—MS, PhD
 Chemistry—BS, BA, MS, PhD
 Chemistry Teaching—BS, BA
 Composite Teaching—Physical Science (Chem)—BS, BA

Computer Science

Computer Science—BS, BA, MS, MCS, PhD

Geology

Geology—BS, BA, MS
 Composite Teaching—Earth Science—BS, BA

Mathematics and Statistics

Mathematics—BS, BA, MS, MMath
 Mathematics Education—BS, BA
 Mathematical Sciences—PhD
 Statistics—BS, BA, MS
 Industrial Mathematics—MS

Physics

Physics—BS, BA, MS, PhD
 Physics Teaching—BS, BA
 Composite Teaching—Physical Science (Physics)—BS, BA

Interdepartmental Program

Toxicology—MS, PhD

Interdisciplinary HASS and Science Program

Liberal Arts and Sciences—BA

Interdisciplinary University Degrees

Interdisciplinary Studies—BS, BA
 International Studies—BA

*Department participates in interdepartmental degree program.

Course Numbering System

USU maintains a semester system—three semesters or periods of classwork: fall, spring, and summer. Fall and spring semester are each of 15 weeks duration. Summer semester spans a total of 14 weeks and includes one four-week early session, one 12-week session, two workshop weeks, two eight-week sessions, and two four-week sessions.

Credit Enrollment. The semester credit hour is the unit upon which credit is computed. Normally, the credit hour standard is based upon 150 minutes of lecture per week, for the duration of one semester, for a three-credit class. For more specific information, refer to the current *Schedule of Classes*. To obtain credit, a student must be properly registered and pay fees for the course. For further information, see *Number of Credits Awarded for Courses* on page 18.

Course Numbering. Each course listed in the catalog has a number, given immediately before the name of the course. For example in the English Department there appears:

Engl 1120. Elements of Grammar.

This means the course, Elements of Grammar, is English 1120. The numbers are useful for reference and records.

Course Numbering Code. A standard code employed by all institutions in the State System of Higher Education was adopted by USU in 1970. Upon conversion to semesters, four-digit course numbers *replaced* the three-digit course numbers formerly used under the quarter system. The semester numbering system is as follows:

0010-0990	Remedial courses; will not satisfy baccalaureate requirements; nontransferable; not calculated in GPA.
1000-2790	Lower division (freshman and sophomore courses)
2800-2990	Lower division independent study designation (directed reading, individual projects, etc.)
3000-4790	Upper division (junior and senior courses)
4800-4990	Upper division independent study designations (directed reading, individual projects, festival, institutes, workshops, etc.)
5000-5990	Advanced upper division (may be used for a graduate degree with approval of the student's supervisory committee)
6000-7990	Graduate courses (students without baccalaureate degrees must obtain special permission to enroll)
5900-5990	Independent study designations (directed reading,
6900-6990	individual projects, theses, dissertations, etc.)
7900-7990	
6800-6890	Graduate seminars (includes methodology and
7800-7890	research seminars)

“H” following regular course designation indicates Honors Program courses.

Freshmen or sophomores may take any lower-division course. If there is a prerequisite for a particular course, it will be so stated in the course description.

Juniors or seniors may take any lower- or upper-division course for which they have met the course requirements. Course requirements will be identified in the course description. Seniors may take graduate courses only upon written consent from the in-

structor. The use of undergraduate coursework for a graduate degree at USU is regulated by the School of Graduate Studies. See *Split Form Policy* (page 74) and *Course-Level Numbering and Acceptability* (page 74).

Graduate students may take any course for which they have met the course requirements, but only graduate courses and individually approved undergraduate courses may be used for a graduate degree.

Note: In some cases, *additional* college or departmental requirements (which may not be included in the course description) *must be met* before a student may take a particular course. For more information, students should consult their advisor or the department offering the course.

At the end of each course description are listed the number of credits given for the course and the semester(s) it will likely be taught. The credits and the semester(s) it will be taught are indicated in abbreviated form in parentheses. For example: (3 cr) (F) indicates that the course offers three credits and will likely be taught fall semester. The designation (4 cr) (F,Sp,Su) indicates that the course offers 4 credits and will likely be taught all three semesters: fall, spring, and summer. It does not mean that the student has to take the class all three semesters, but rather that he or she has a choice of any semester. In some cases, such as (2 cr) (F,Sp), even though more than one semester is indicated, the course will not be offered each semester, but only one of these semesters, the exact one yet to be decided.

Some course listings do not indicate semester(s) offered. In some cases, these courses may be taken any semester (e.g., continuing graduate advisement, thesis, dissertation, or internship courses). In other cases, the semester(s) to be offered has not yet been determined (e.g., special topics courses, which are offered infrequently). For current information about semesters to be offered, consult the department offering the course.

For more definite up-to-date information, please refer to the University Schedule of Classes published prior to the beginning of each semester. All catalog listings are subject to change. The schedule will also update policies and practices of the University as changes occur. Catalog updates will also appear on the USU web site (<http://www.usu.edu>).

Occasionally, two or more closely related courses (which usually have the same title) will be listed under one entry, such as **Math 6110, Math 6120. Differential Geometry.** The credit entry will read: (3 cr) (F) (3 cr) (Sp). That means that each of the two courses offers 3 credits.

In some classes, the amount of credit for which students register can be individually arranged. One student may take 2 credits, another student 3 credits, etc. Academic credit is identified in parentheses at the end of the course description, e.g. (1-3 cr). In order to register for more than the minimum number of credits identified in the *University Schedule of Classes*, students must register in-person at the Registrar's Office for the desired number of credits.

Preceding some course listings in this catalog will be a single asterisk (*), a double asterisk (**), or a triple asterisk (***). Such courses are taught during alternate years, as explained in the footnotes at the end of the departmental section. For more information, check the *Schedule of Classes* or consult the department offering the course.

Course Prefixes

Each course listing is preceded by one of the following departmental prefixes:

Acct—Accounting
 ADVS—Animal, Dairy and Veterinary Sciences
 Anth—Anthropology (*Sociology, Social Work and Anthropology Department*)
 Art—Art
 AS—Aerospace Studies
 ASTE—Agricultural Systems Technology and Education
 BA—Business Administration
 BIE—Biological and Irrigation Engineering
 Biol—Biology
 BIS—Business Information Systems
 Bmet—Biometeorology (*Plants, Soils, and Biometeorology Department*)
 CEE—Civil and Environmental Engineering
 Chem—Chemistry and Biochemistry
 Chin—Chinese (*Languages and Philosophy Department*)
 Clas—Classics (*History Department*)
 ComD—Communicative Disorders and Deaf Education
 CS—Computer Science
 ECE—Electrical and Computer Engineering
 Econ—Economics
 Educ—Education, College of
 EIEd—Elementary Education
 Engl—English
 Engr—Engineering, General
 FHD—Family and Human Development
 FL—Family Life, College of
 FR—Forest Resources
 Fren—French (*Languages and Philosophy Department*)
 FW—Fisheries and Wildlife
 Geog—Geography (*Geography and Earth Resources Department*)
 Geol—Geology
 Germ—German (*Languages and Philosophy Department*)
 Grk—Greek (*History Department*)
 HASS—Humanities, Arts and Social Sciences, College of
 HEnv—Human Environments
 HEP—Health Education—Professional (*Health, Physical Education and Recreation Department*)
 Hist—History
 Honr—Honors Courses
 IELI—Intensive English Language Institute
 InsT—Instructional Technology
 Ital—Italian (*Languages and Philosophy Department*)
 ITE—Industrial Technology and Education
 Japn—Japanese (*Languages and Philosophy Department*)
 JCom—Journalism and Communication

Kor—Korean (*Languages and Philosophy Department*)
 LAEP—Landscape Architecture and Environmental Planning
 Lang—Languages (General) (*Languages and Philosophy Department*)
 LAS—Liberal Arts and Sciences
 Latn—Latin (*History Department*)
 Ling—Linguistics (*Languages and Philosophy Department*)
 MAE—Mechanical and Aerospace Engineering
 Math—Mathematics (*Mathematics and Statistics Department*)
 MHR—Management and Human Resources
 MS—Military Science
 Musc—Music
 Nav—Navajo (*Languages and Philosophy Department*)
 NFS—Nutrition and Food Sciences
 NR—Natural Resources, College of
 PE—Physical Education (*Health, Physical Education and Recreation Department*)
 PEP—Physical Education—Professional (*Health, Physical Education and Recreation Department*)
 PFP—Personal Financial Planning (*School of Accountancy*)
 Phil—Philosophy (*Languages and Philosophy Department*)
 Phyx—Physics
 PlSc—Plant Science (*Plants, Soils, and Biometeorology Department*)
 PolS—Political Science
 Port—Portuguese (*Languages and Philosophy Department*)
 PRP—Parks and Recreation—Professional (*Health, Physical Education and Recreation Department*)
 PSB—Plants, Soils, and Biometeorology
 Psy—Psychology
 PubH—Public Health (*Biology Department*)
 Reh—Rehabilitation Counseling (*Special Education and Rehabilitation Department*)
 RLR—Rangeland Resources
 RR—Recreation Resources (*Forest Resources Department*)
 Russ—Russian (*Languages and Philosophy Department*)
 ScEd—Secondary Education
 Sci—Science, College of
 Soc—Sociology (*Sociology, Social Work and Anthropology Department*)
 Soil—Soil Science (*Plants, Soils, and Biometeorology Department*)
 Span—Spanish (*Languages and Philosophy Department*)
 Spch—Speech (*Languages and Philosophy Department*)
 SpEd—Special Education (*Special Education and Rehabilitation Department*)
 Stat—Statistics (*Mathematics and Statistics Department*)
 SW—Social Work (*Sociology, Social Work and Anthropology Department*)
 Thea—Theatre Arts
 USU—University Studies
 WS—Watershed Science

University Studies Designations

Courses approved for University Studies have one of the following designations, listed in parentheses following the course number:

BAI—Breadth American Institutions
 BCA—Breadth Creative Arts
 BHU—Breadth Humanities
 BLS—Breadth Life Sciences
 BPS—Breadth Physical Sciences
 BSC—Breadth Sciences
 BSS—Breadth Social Sciences
 CI—Communications Intensive
 CL—Communications Literacy
 DHA—Depth Humanities and Creative Arts
 DSC—Depth Life and Physical Sciences
 DSS—Depth Social Sciences
 QI—Quantitative Intensive
 QL—Quantitative Literacy

Tuition, Fees, and Refunds

Registration for a semester is not complete until all fees have been paid in full. The University reserves the right to alter any tuition or fee charges without notice.

Tuition and Fees per Semester (on campus)¹

Credits	Resident Undergrad.	Nonres. Undergrad.	Resident Graduate	Nonres. Graduate	Resident College of Business Graduate ²	Nonres. College of Business Graduate ²	Resident College of Education Graduate ³	Nonres. College of Education Graduate ³
1	\$ 330.14	\$ 795.51	\$ 348.70	\$ 860.60	\$ 370.50	\$ 882.40	\$ 416.19	\$1,097.06
2	403.09	1,050.79	428.95	1,141.41	472.55	1,185.01	522.92	1,470.53
3	488.54	1,318.57	521.70	1,434.72	587.10	1,500.12	642.15	1,856.50
4	574.99	1,587.35	615.45	1,729.03	702.65	1,816.23	762.38	2,243.47
5	652.44	1,847.13	700.20	2,014.34	809.20	2,123.34	873.61	2,621.44
6	728.39	2,105.41	783.45	2,298.15	914.25	2,428.95	983.34	2,997.91
7	828.84	2,388.19	891.20	2,606.46	1,043.80	2,759.06	1,117.57	3,398.88
8	921.29	2,662.97	990.95	2,906.77	1,165.35	3,081.17	1,243.80	3,791.85
9	998.74	2,922.75	1,075.70	3,192.08	1,271.90	3,388.28	1,355.03	4,169.82
10	1,076.19	3,182.53	1,160.45	3,477.39	1,378.45	3,695.39	1,466.26	4,547.79
11	1,149.14	3,437.81	1,240.70	3,758.20	1,480.50	3,998.00	1,572.99	4,921.26
12	1,222.09	3,693.09	1,320.95	4,039.01	1,582.55	4,300.61	1,679.72	5,294.73
13-18	1,295.04	3,948.37	1,401.20	4,319.82	1,684.60	4,603.22	1,786.45	5,668.20
19	1,367.99	4,203.65	1,481.45	4,600.63	1,786.65	4,905.83	1,893.18	6,041.67
20	1,440.94	4,458.93	1,561.70	4,881.44	1,888.70	5,208.44	1,999.91	6,415.14
21	1,513.89	4,714.21	1,641.95	5,162.25	1,990.75	5,511.05	2,106.64	6,788.61
22	1,586.84	4,969.49	1,722.20	5,443.06	2,092.80	5,813.66	2,213.37	7,162.08
23	1,659.79	5,224.77	1,802.45	5,723.87	2,194.85	6,116.27	2,320.10	7,535.55
24	1,732.74	5,480.05	1,882.70	6,004.68	2,296.90	6,418.88	2,426.83	7,909.02
25	1,805.69	5,735.33	1,962.95	6,285.49	2,398.95	6,721.49	2,533.56	8,282.49
each additional credit	\$ 72.95	\$ 255.28	\$ 80.25	\$ 280.81	\$ 102.05	\$ 302.61	\$ 106.73	\$ 373.47

¹These on-campus tuition and fee amounts are effective Fall Semester 2001. Amounts are subject to change. For updated information, see the current *Schedule of Classes*. Tuition for students taking USU courses off campus differs from the amounts listed above; contact USU Continuing Education or visit <http://extension.usu.edu>.

²College of Business degrees for which these fees are charged include: Master of Business Administration, Master of Accounting, Master of Science in Business Information Systems and Education, and Master of Social Sciences with specialization in Human Resource Management.

³College of Education degrees for which these fees are charged include: Master of Science and Master of Arts in Communicative Disorders and Deaf Education with specializations in Clinical and Educational Audiology, and Speech-Language Pathology; and Master of Education in Communicative Disorders and Deaf Education with specialization in Speech-Language Pathology.

International Students. An international fee of \$45 will be added to each of the nonresident tuition amounts listed above.

Visitor fee (audit) same as classes with credit (except for persons 62 years of age or older who are permitted to audit free of charge after a recording fee of \$10.00 per semester has been paid)

Late registration fee **\$20**
(assessed beginning the first day of classes)

Continuing Graduate Advisement Courses (6990 and 7990).
There is no limit on the number of times a graduate student may register for 6990 or 7990 credit. Resident tuition is charged for 6990 or 7990 credits, and out-of-state tuition is not charged.

Continuous Graduate Registration Fee. \$15

Tuition Refund Policy

Refund Period	Percent of Tuition to be Refunded
Before Semester Classes Begin	100%
First 2 Days of the Semester.	100%
3rd thru 5th Day of Classes	90%
Thru the 10th Day of Classes	70%
Thru the 15th Day of Classes	50%
After the 15th Day of Classes	0%

Fee Refunds. (1) Ten dollars of every registration fee and the insurance fee are nonrefundable. (2) After the \$10 fee above is deducted from the registration fee, a proportionate share of all fees paid may be refunded to any student who withdraws from school before the 15th day of classes. (3) All refunds will be mailed to the student. (4) The application and evaluation fee for an under-

graduate or graduate applicant is not refundable. (5) Activity fees will be pro-rated. (6) All refunds must be applied for at the Cashiers Office. (7) Students with financial aid need approval from the Financial Aid Office in order to receive a refund. (8) Complete withdrawal must be approved by the Financial Aid Office or by the Office of Advising and Transition Services.

Delinquent Financial Accounts. Students with outstanding financial obligations may be refused all University services until such obligations are paid. Services which may be denied include the following: registration, transcripts, grades, transfer of credit, and graduation.

ID Cards. An ID card will be prepared for new freshmen and transfer students upon proof of fee payment. However, electronic validation is required *each semester* before the ID card will be acceptable for admission to student activity attractions. Upon payment of tuition and fees, students registering for 7 or more credits will automatically have their cards validated. Students registered for less than 7 credits must pay \$55.00 to have their cards validated. A student who holds a validated card may purchase an additional validated card for his or her spouse for \$28.00. Lost ID cards may be replaced for \$10.00.

Semester Note. To ease the transition from quarters to semesters, the Semester Note gives students the option to pay most of their tuition up front, with the remainder due 60 days into the semester. The cost for the Semester Note is \$22, and 65 percent of the tuition and fees is due at fee payment time. This payment option is available during the total fee payment period and will retain classes at the fee payment deadline. Semester Notes are available at the Cashiers Office (SC 228).

Deferred Fee Note. Unlike the Semester Note, the Deferred Fee Note is not available until after the fee payment deadline. This note is due 60 days into the semester. The cost of the deferred fee note is \$50. Deferred Fee Notes may be applied for in the Cashiers Office (SC 228).

Miscellaneous Payments. If any payment made to the University is unauthorized, incomplete, or received after the due date, registration fees will be considered as **unpaid**, and the student will not be officially registered.

Personal Checks. Personal checks returned by the bank for any reason will subject the student to a service charge and, at the discretion of the Controllers Office, may result in the withholding of registration credit or immediate cancellation of the student's classes. USU reserves the right to refuse personal checks for any transaction. Check cashing privileges and use of other University services using personal checks may be suspended for any individual who has a check returned to the University.

Sponsored Payments. Students whose tuition and fees are paid by a sponsor may contact the Cashiers Office (SC 228) for authorization to complete registration. International students with a sponsor should contact the International Students and Scholars Office, SC 313, (435) 797-1124.

Computer and Information Literacy Examination. All students working toward a bachelor's degree must pass this examination as part of the University Studies requirements. New students will automatically be assessed a fee. For additional information about this exam, see page 57.

Special Fees. Special fees, charged in addition to tuition and registration fees, are assessed on the Registration/Billing Statement. Carefully review the University *Schedule of Classes* to determine which courses require special fees.

Parking Permits

Parking Permits for students living off campus	\$20 per semester \$35 per year
Parking Permits for students living in dorms	\$35 per year
Parking Permits for students living in the Student Living Center or Aggie Village	\$35 per year
Gate Card	\$5 deposit

Music. Fees are charged for piano practice and private instruction. For information on amounts, contact the Music Department.

Division of General Registration Fee \$45 per semester

Health and Accident Insurance is available to all students for nominal costs at the time of registration. Additional insurance may be purchased for spouse and children. Insurance coverage is mandatory for international students. Students are encouraged to provide themselves with adequate protection in case of illness or serious injury. See University *Schedule of Classes* for premiums.

Insurance Information/International Students

All international students attending Utah State University are required to purchase one of the student health insurance plans offered at the University for themselves and accompanying dependents. Insurance coverage is required each semester.

International students are cautioned to purchase only temporary travel insurance to cover travel to the U.S.

Admission Application and Evaluation Fee (nonrefundable):

U.S. Residents (undergraduate)	\$35
Foreign Students (undergraduate)	\$35

Special Examination Fee: \$10 per course plus \$5 per credit hour up to a maximum of \$50 including the \$10 examination fee. Fees for some of the special examinations offered by the Languages and Philosophy Department are higher; call (435) 797-1209 for specific fees.

Late Graduation Application Fee for undergraduate

candidate	\$10
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Graduation Fee:

One-year Certificate	\$10
Two-year Diploma	\$10
Associate of Applied Science Degree	\$10
Bachelor's Degree	\$10
Advanced Degree	\$15

Cap and Gown Rentals:

Bachelor's Degrees	\$16
Master's Degrees	\$19
Doctor of Philosophy or Education	\$19

Teacher Placement Registration \$10

Transcript of Credits. For transcript requests processed by the USU Registrar's Office, the following information is needed: (1) student's full name (including any previous names), (2) stu-

dent ID number, (3) date of birth, (4) last date of attendance, (5) where the transcript is to be sent, and (6) student's signature. The transcript fee (per transcript) is \$3 for the first transcript and \$1 for each additional transcript *on the same order*. The fee is to be paid in the Office of the Registrar (Records Services), Taggart Student Center 246.

For a fee of \$5 per location, transcripts may be faxed. Send a fax to (435) 797-4077, along with the required information listed above and credit card information (card name, number, and expiration date).

Unofficial transcripts are available on the internet at: http://www.usu.edu/compserv/stu_rec.html.

University Publications. To purchase a Utah State University *General Catalog* or *Semester Schedule of Classes*, phone Express-a-book at one of the following numbers: 1-(800) 662-3950, (435) 797-3950, or FAX (435) 797-3793.

Information on Scholarships, Fellowships, and Assistantships can be found in the *Financial Aid and Scholarship Information* section of this catalog (pages 22-41).

Housing Fees. Write for a Housing Bulletin; send request to the Office of Housing and Food Services, Utah State University, 8600 Old Main Hill, Logan UT 84322-8600.

Estimated Cost of Undergraduate Education for Two Semesters for 2001-2002 Academic Year

	Resident	Nonresident
Tuition and Fees ¹	\$ 2,590	\$ 7,897 ²
Room and Board	3,270+	3,270+
Books and Supplies	855	855
Personal Expenses ³	1,740	1,740
Totals	\$ 8,455+	\$13,762+

¹See complete schedule of tuition and fees on page 14.

²In addition to this amount, international students must pay a fee of \$45.

³Transportation costs of approximately \$1,210 (in addition to the Personal Expenses listed here) are included in the Financial Aid Office estimated costs. See page 23.

Registration

Office of the Registrar: SC 246, (435) 797-1094

All students attending classes must be registered. Students are officially registered when all tuition and fees have been paid in full. Failure to pay tuition and fees by the published fee payment deadline may result in courses being voided. Students are responsible for dropping courses for which they do not wish to receive a grade. Detailed registration instructions are printed in the University *Schedule of Classes*, which is published each semester.

Eligibility. Only eligible students may register for courses at the University. An eligible student is either continuing from the previous year or has been admitted or readmitted to the University.

Registration Procedures. The University *Schedule of Classes* lists each semester's course offerings, dates, times, places, and procedures for registration and fee payment. It may be purchased at the University Bookstore or accessed at:

<http://www.usu.edu/registra/admrec/schedule/schedule.html>

Late Registration. A \$20 late registration fee is assessed beginning the first day of classes. Students must complete registration by the end of the third week of the semester.

Assignment of Advisor. When undergraduate students have been admitted to the University and have indicated their proposed field of study, they are assigned an advisor according to their major. Students are initially assigned to the default advisor or advising office for their individual major. In some cases, the default advisor is a temporary advisor who may assign students to a permanent advisor after their initial meetings with each student. In some colleges, students may be assigned to one advisor until they complete their lower-division coursework, and then be assigned to another advisor when they begin working on their upper-division coursework. Advising systems vary from college to college within the University. Students may access a listing of advisors by major by going to: <http://www.usu.edu/ats/advisorlist>.

Full-time Status. The minimum registration load for a full-time undergraduate student is 12 credits. **Students who desire to graduate in four years (eight semesters) must average a semester load of at least 15 credits per semester.** To be eligible for student body offices, students are required to be registered for 12 or more credits. Students on scholarships must be registered for 12 or more credits, unless otherwise indicated. Veterans and students eligible for a veteran's educational allowance are required to be matriculated and registered for 12 or more credits (for undergraduate students) or 9 or more credits (for graduate students) to qualify for full educational benefits. Students registered for less than 12 credits should contact the Veterans Services Office to determine if they are eligible for partial benefits.

Auditing Classes. Those who wish to audit a class must register as auditors. Auditing is dependent on space, resource availability, and instructor approval. No credit will be allowed for attendance, and the regular fee will be assessed. At no future time may the student request or receive credit for the audited course by any other means than by officially registering for the course and doing the required work. Audit requests, approved by the instructor, must be submitted to the Office of the Registrar and fees paid at the Cashiers Office before class attendance is permitted. Students are not permitted to register as auditors during Early Registration.

House Bill 60 permits Utah residents 62 years of age or older to audit regular university classes offered during the day or offered through the Extension Class Division. However, space in many university classes is limited. Classes which are full at the time of an audit request are unavailable. Credit seeking, full-tuition paying students shall have first priority in the registration process. A flat fee of \$10.00 per semester is charged for House Bill 60 registration.

Pass (P), D+, D, F Option. Students may register for a Pass (P), D+, D, F option. The grade of Pass (P) indicates academic achievement of not less than C-. Credits for which the Pass (P) grade is received *are not quality hours*, and are therefore not used in the calculation of a student's grade point average. At no future time may the student request a letter grade, once the P, D+, D, F option has been requested. (See page 19 for more information.)

Adding Courses. Courses may be added through the 15th day of classes. The instructor's signature is required beginning the sixth day of classes. Following the 15th day of classes, the student's academic dean must also approve any add request.

Dropping Courses. Students may drop courses without notation on their permanent record through the 30th day of classes. Beginning with the 31st day of classes, courses dropped will be entered on the student's permanent record and reflect a W (withdrawal). Instructors are to provide students in undergraduate classes with information to assist them in assessing their current class status prior to the 30th day of classes. Following the 30th day of classes, the student's instructor, academic advisor, and academic dean must approve any drop request and this may be done only upon demonstration of conditions beyond the student's control. The term "conditions beyond the student's control" includes (1) incapacitating illnesses which prevent a student from attending classes for a period of at least two weeks; (2) a death in the immediate family; (3) financial responsibilities requiring a student to alter course schedule to secure employment; (4) change in work schedule as required by employer; or (5) other emergencies of this nature. Documentation of the circumstances cited to justify dropping after the deadline is required. Under no circumstances is dropping a course after the 30th day permitted for the purpose of avoiding an unsatisfactory grade; neither shall Incomplete (I) grades be given to avoid the consequences of inadequate performance. Appeals to the dean's decision may be directed to the Provost's Office. A student may not drop all of his or her classes without an official withdrawal from the University.

Students who fail to attend class the first five days of school may be dropped from that class by the instructor. (*This does not remove the responsibility of the student to drop classes which he or she does not plan to attend.*) Students receiving Veterans Educational Benefits must notify the Office of Veterans Services of any change in their registration.

Complete Withdrawal from the University. Complete withdrawal is initiated at the Financial Aid Office (SC 106) for those having financial aid, at the Veterans Services Office (SC 204) for those receiving veterans benefits, or at the Registrar's Office (SC 246) for all other students. No one will be permitted to withdraw from the University once final examinations have begun. The date of the official withdrawal is the date the withdrawal form or letter

is received. A student who withdraws must be accepted for readmission before he or she may enroll again.

No-test Days. A five-day period designated as No-test Days precedes the five days of final examinations which are normally scheduled at the close of each academic semester. During No-test Days neither final examinations nor testing of any kind will be given in order that students may concentrate upon classwork, the completion of special assignments, writing projects, and other preparation for duly scheduled final examinations.

Proof of Identification. In order to receive University services, photo identification must be presented. Each admitted stu-

Records

Office of the Registrar: SC 246, (435) 797-1116

The custodian of educational records at Utah State University is the Office of the Registrar.

Student Classification. At the beginning of each semester, students are classified for that semester as follows:

Credit Hours Earned	Classification
0-29	Freshman
30-59	Sophomore
60-89	Junior
more than 89	Senior

Number of Credits Awarded for Courses

Traditional Courses. The standard for academic course credit, as identified by the Northwest Association of Schools and Colleges and followed by USU, is that one credit be awarded for three hours of student work per week over a 15-week semester. For traditional courses, this is interpreted as one 50-minute class period plus two hours of study per week for each credit. Note that one 50-minute period per week throughout a 15-week semester equals 12.5 contact hours per credit. This standard should be used in determining credits for courses which do not meet for 50-minute periods.

Nontraditional Courses. In addition to courses taught during regular academic terms, other educational experiences (such as workshops, institutes, short courses, and conferences) are offered at USU. Because of the short time period in which they are offered, these nontraditional courses may not require extensive out-of-class work by students. When little or no out-of-class work is required, the standard for credit for such courses is 20 contact hours per credit.

Privacy Rights

The Family Educational Rights and Privacy Act, a federal law commonly referred to as *FERPA* or the *Buckley Amendment*, (1) provides that students will have access to inspect and review their educational records and (2) protects the rights of a student to privacy by limiting access to the educational record without express written consent.

Definitions. A **student** is defined as any individual who is attending or has attended Utah State University. (Note: Certain rights are extended to the parent(s) of a dependent student, where dependency is defined by Section 152 of the Internal Revenue Code of 1954.) An **educational record** is any record (1) directly

related to a student, and (2) maintained by Utah State University or by an agent of the University.

dent who completes the registration process for a regular semester will be issued a student identification card. This photo identification card is valid for the duration of the student's enrollment at Utah State University. Photo IDs are issued throughout the semester in the Taggart Student Center, Room 204.

Change of Address. It is the responsibility of the student to keep the Office of the Registrar informed of address changes by completing a Change of Address form available at the Registrar's Office (SC 246) or by using the Student QUAD program on the web:

<http://www.usu.edu/registra/admrec/quad-main.html>

related to a student, and (2) maintained by Utah State University or by an agent of the University.

Notices. With respect to a student's educational records, FERPA affords a student the right: (1) to inspect and review the student's educational records; (2) to request the amendment of the student's educational records to ensure that they are not inaccurate, misleading, or otherwise in violation of the student's privacy or other rights; (3) to consent to disclosures of personally identifiable information contained in the student's educational records, except to the extent that FERPA authorizes disclosure without consent; (4) to file with the U.S. Department of Education a complaint concerning alleged failures by Utah State University to comply with the requirements of FERPA, if a complaint cannot be resolved within the University; and (5) to obtain a copy of the *Student Records Policy and Procedures for Utah State University*. (Copies are available at the Registrar's Office, Student Center 246.)

Categories of Records. There are two categories of educational records under FERPA. **Directory information** (or releasable information) is general information that may be released to anyone without the consent of the student, unless the student indicates otherwise. **Personally identifiable information** (or nonreleasable information) includes all information not defined as directory information and may not generally be released without consent of the student.

Utah State University has designated the following as **directory information** for a student:

Releasable Information/Directory Information

Name
Local and permanent address
Electronic mail address
Telephone number
Date of birth
Residency status
Degrees and awards received
Most recent institution attended by the student
Academic level
Major field of study
Department or college
Participation in officially recognized activities/sports
Dates of attendance and graduation
Weight/height of members of athletic teams
Current semester schedule of classes
Photographs

Nonreleasable Information/All Other Information

A Release of Information form is available at the Registrar's Office. This form may be completed by students wishing to grant access to their educational record to a third party (e.g., parents or spouse). Students accessing educational records must provide identification. It is important to **note** that, for educational purposes, University officials have access to all student records.

Grading

For work in graded courses, *A* shall denote exceptional performance, *B* above average performance, *C* satisfactory performance, *D* poor performance, and *F* failing performance. Letter grades may be modified by plus (+) or minus (-) symbols (no *A+* or *D-*).

Quality Hours and Quality Points. A **quality hour** is defined as a credit which is used in calculating a student's grade point average (GPA). All graded credits, *except* for those in which the Pass (*P*) or Incomplete (*I*) grade is received, qualify as quality hours. **Quality points** are assigned to each letter grade earned, as noted below:

A	4.00	C+	2.33	F	0.00
A-	3.67	C	2.00		
B+	3.33	C-	1.67		
B	3.00	D+	1.33		
B-	2.67	D	1.00		

Scholastic Marks, which do not qualify for quality hours, are as follows:

I	Incomplete	P	Pass
W	Withdrawal	AU	Audit

Grade Point Average. When a student is graded, the quality points for the grade are multiplied by the quality hours to derive the total quality points. The total quality points are then divided by the total quality hours to determine the GPA. GPAs are rounded to the nearest thousandth of a grade point.

Grading Options. Ordinarily a letter grade is given upon completion of a course, unless a grading option of "Audit" or "Pass/D+, D, F" is indicated at the time of registration or within prescribed deadlines.

Pass/D+, D, F Option. Under this option, the grade of *P* indicates academic achievement of not less than *C-*. All students, including freshmen, may take courses on a *P/D+, D, F* basis. A minimum of 72 of the 120 credits required for the baccalaureate degree shall carry the *A, A-, B+, B, B-, C+, C, C-, D+, D* designation, unless the major department or college change this limitation. All CLEP, AP, and most special examination credits are considered *P* and are included in the total *P* grades permitted. Students exercise the *P/D+, D, F* option by submitting a request to the Office of the Registrar by the 30th class day of the semester. Once this option has been requested, students may not appeal to receive a letter grade. The *P* shall also be used to record on the student's permanent academic record all special credit in which other grades are inappropriate. Students should note that *P* grades may not be accepted by some departments for major requirements, nor by some professional or graduate schools.

Incomplete (*I*) Grade. Students are required to complete all courses for which they are registered by the end of the semester. In some cases, a student may be unable to complete all of the coursework because of extenuating circumstances, but **not** due to poor performance or to retain financial aid. The term "extenuat-

ing" circumstances includes: (1) incapacitating illness which prevents a student from attending classes for a minimum period of two weeks, (2) a death in the immediate family, (3) financial responsibilities requiring a student to alter course schedule to secure employment, (4) change in work schedule as required by employer, or (5) other emergencies deemed appropriate by the instructor. The student may petition the instructor for time beyond the end of the semester to finish the work. If the instructor agrees, two grades will be given, an "I" and a letter grade for the course computed as if the missing work were zero. Documentation of the circumstances cited to justify an incomplete grade is required.

The student is required to complete the work by the time agreed upon, or not longer than 12 months. If no change of grade is submitted by the instructor within the prescribed period, the "I" will be removed and the letter grade originally submitted with the "I" will remain as the permanent grade for the course. Arrangements to complete the missing coursework are to be made directly with the instructor awarding the "I" grade, and in accordance with departmental policy. In the absence of the original instructor, special circumstances must be handled by the department head. Documentation of required work to be completed in order to remove the "I" grade must be filed with the department office. The "I" grade should generally not require a complete repeat of the course. **A student should not reregister for the course.**

Repeating Courses. Students may repeat any course at USU for which they have previously registered. They may also retake a course originally taken at an institution where USU has an articulation agreement, if the agreement identifies a specific USU course as being equivalent to the one the student desires to replace. All other decisions dealing with retaking courses, including courses taken under the quarter system, will be determined by the department in which the course is offered.

The number of times a student can take the same class is limited to a total of three times (once, plus two repeats). Beyond three attempts, the student's dean must approve additional registration for the class.

The total number of repeats allowed is limited to ten. Students who exceed this limit will have an academic hold placed on their registration. Beyond ten repeats, the student's academic dean must approve additional registration for the class.

This policy does not apply to courses repeatable for credit. When a course listed in the *General Catalog* is identified with the Repeat Symbol (®), the course may be taken more than once for credit.

When a course not designated as repeatable for credit is repeated, the most recent grade and quality hours are used to recalculate the student's grade point average. The previous grade and quality hours for the same course will remain on the student's academic record, but will not be calculated in the grade point average or total quality hours completed. A course designated as repeatable (®) may be repeated to receive a higher grade, and the most recent grade and quality hours will be used in recalculating the student's grade point average. The student is responsible to declare repeated courses to the Registrar's Office by completing a Record Adjustment-Repeated Course form.

Change of Grades. The instructor of a course has the sole and final responsibility for any grade reported. Once a grade has been reported to the Office of the Registrar, it may be changed upon the signed authorization of the faculty member who issued the original grade. This applies also to the grade of Incomplete (*I*). A change of grade after more than one year also requires the signature of the academic dean. (See USU Student Policy Handbook—Student Appeal Procedures.)

Final Grade Report. Final grades are available on the web at <http://www.usu.edu/registra/admrec/quad-main.html>. Grades are also available on the TouchTone phone system, (435) 797-8888. Official transcripts may be obtained by submitting a signed request to the Academic Records Office, *in person* at SC 246, or *by mail* to Utah State University, 1600 Old Main Hill, Logan UT 84322-1600.

Records Hold. A “Records Hold” will be placed on a student’s record when an outstanding financial obligation or disciplinary action has been reported.

When a “hold” is placed on a record, the following results may occur: (1) An official and/or unofficial transcript may not be issued; (2) registration privileges may be suspended; (3) other student services may be revoked. The “hold” will remain effective until removed by the initiating office. It is the student’s responsibility to clear the conditions causing the “hold.”

Transfer Credit. The grades which may be transferred and recorded for transfer students shall include, but not be limited to, A, A-, B+, B, B-, C+, C, C-, D+, D, and F. Only grades earned at USU will be used in calculating USU grade point averages. Decisions concerning academic standing, once the student is admitted to USU, will be based solely on USU grades.

Remedial Courses. Courses numbered 0010-0990 will not satisfy baccalaureate requirements, are not transferable, and are not calculated in a student’s grade point average.

Academic Standing. An undergraduate student is considered by the University to be in *good standing* when his or her USU cumulative GPA is 2.0 or higher. An undergraduate student whose USU cumulative GPA is *less than* a 2.0 is placed on *academic warning* or *academic probation*, based on the student’s class rank and the USU cumulative GPA. A **freshman** with a USU cumulative GPA of *less than 2.0* is placed on *academic warning*. A **sophomore**, **junior**, or **senior** with a USU cumulative GPA of *less than 2.0* is placed on *academic probation*.

Academic Warning. A freshman student placed on academic warning shall be notified in writing of that action by the dean of his or her college. The notation *placed on warning* is placed on the student’s transcript. The student remains on warning status as long as his or her semester GPA is 2.0 or higher until his or her USU cumulative GPA rises to or exceeds 2.0; the student will then be in good standing. A student on academic warning shall be placed on *academic probation* at the end of any semester in which his or her semester GPA is *less than 2.0*. When a student’s class standing changes to sophomore, and his or her USU cumulative GPA is less than 2.0, the student is placed on *academic probation*. Students on academic warning are encouraged to meet with their academic advisor.

Academic Probation. An undergraduate student placed on academic probation shall be notified in writing of that action by the dean of his or her college. The notation *placed on probation* is placed on the student’s transcript. The student is required to meet with his or her academic advisor before the end of the fifth week and to sign a statement acknowledging the terms of the probation. Signed statements shall be maintained in the academic dean’s office. The student remains on probation status as long as his or her semester GPA is 2.0 or higher until his or her USU cumulative GPA rises to or exceeds 2.0; the student will then be in *good standing*. A student on academic probation is placed on *suspension*

at the end of any semester in which his or her semester GPA is *less than 2.0*.

Academic Suspension. An undergraduate student placed on academic suspension shall be notified in writing of that action by the Associate Vice Provost for Enrollment Management. The notation *academic suspension* is placed on the student’s transcript. If a student suspended for the first time and enrolled for the present semester desires to remain in school, implementation of the suspension can be delayed until the end of the present semester. Students enrolled for the present semester and having more than one suspension will be required to withdraw from school for at least one year. Students who are allowed to remain in school on delayed suspension and achieve a 2.0 semester GPA or higher will be considered for continuation without a required layout. Students who are allowed to remain in school on delayed suspension and achieve less than a 2.0 GPA will have an additional suspension and be required to remain out of school for at least one calendar year. Any questions the student may have regarding his or her suspension can be directed to the General Registration Program, (435) 797-3883.

Readmission Following Academic Suspension. Students *who have been suspended once* and do not remain in school under the above delayed suspension option may apply for readmission after a one-semester layout. Students *who have been suspended two or more times* may apply for readmission to the University following a layout of one full calendar year.

Low-Scholarship Notification for Graduate Students. The dean of the School of Graduate Studies will notify students whose GPA is below 3.0 any semester. If the GPA falls below 3.0 for two consecutive semesters, the student may be placed on probationary status and his or her graduate program may be terminated. For further information, see *Low-Scholarship Notification* (page 75).

Academic Renewal

Under certain circumstances, undergraduate students who have been admitted to Utah State University after an interruption in their collegiate education of five or more years may petition to have certain credits removed from the calculation of GPA needed for credit. The renewal procedure allows the student’s academic records to be reviewed for the purpose of eliminating from grade point average computation any or all grades of D+ or below that were entered on the academic transcript prior to admission. Petition forms are available in the Office of the Registrar. A \$25 processing fee will be assessed.

Guidelines:

1. Academic renewal *does not* apply to graduate students nor to students pursuing a second undergraduate degree.
2. Academic renewal may be applied *only once* and is *irreversible*.
3. An absence of *five or more years* must have elapsed between admission and the last enrollment at an institution of higher education. (**Note:** Students must be currently enrolled to apply for academic renewal.)
4. After admission, but before application for renewal, the student must have completed at least one of the following at Utah State University: (a) 10 semester credits with at least a 3.00 GPA; (b) 20 semester credits with at least a 2.75 GPA; (c) 30 semester credits with at least a 2.50 GPA. For students with an absence of ten or more years, the requirements in guideline number 4 are waived.

5. Academic renewal applies *only* to courses having grades of *D+*, *D*, or *F* and taken prior to readmission. All such courses will remain unaltered on the transcript with the appropriate notation added to the transcript to indicate academic renewal. Courses designated in the petition will not count for computation of GPA for earned credits, nor for satisfying any graduation requirements. Courses with a grade of *C-* (or *P*) or better will be carried forward.

6. Academic renewal will be effective as of the date of the admission following the five- or ten-year absence.

Academic Honesty

The University expects that students and faculty alike maintain the highest standards of academic honesty. For the benefit of students who may not be aware of specific standards of the University concerning academic honesty, the following information is quoted from the *Code of Policies and Procedures for Students at Utah State University*, Article V, Section 3:

Section 3. Violations of University Standards

A. The following activities have been found to interfere with University functions or threaten the well-being and the educational purposes of students and subject the student to discipline under the provisions of this Code. The following list of violations is not an all inclusive list; other misconduct may also subject the student to discipline.

1. Acts of academic dishonesty.
 - a. Cheating includes intentionally: (1) using or attempting to use or providing others with any unauthorized assistance in taking quizzes, tests, examinations, or in any other academic exercise or activity; (2) depending upon the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments; (3) substituting for another student, or permitting another student to substitute for oneself, in taking an examination or preparing academic work; (4) acquiring tests or other academic material belonging to a faculty member, staff member, or another student without express permission; and (5) engaging in any form of research fraud.
 - b. Falsification includes the intentional and unauthorized altering or inventing of any information or citation in an academic exercise or activity.
 - c. Plagiarism includes knowingly representing, by paraphrase or direct quotation, the published or unpublished work of another person as one's own in any academic exercise or activity without full and clear acknowledgement. It also includes the unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials.

Violations of the above policy will subject the offender to the University discipline procedures as outlined in Article VI, Section 1 (paragraphs A, D, E, F, and G) of the *Code*.

- A. The penalties which the University may impose on a student are:
1. Warning or reprimand—written or verbal.
 2. Grade adjustment—for either an assignment/test or the course (for academic violations only).

3. Probation—continued attendance at the University predicated upon the student satisfying certain requirements as specified by the University in a written notice of probation. Probation is for a designated period of time and includes the probability of more severe disciplinary penalties if the student does not comply with the specified requirements or is found to be violating any University regulations during the probationary period. The student must request termination of the probation in writing.
4. Suspension—temporary dismissal from the University for a specified time, after which the student is eligible to return. Conditions for readmission may be specified.
5. Expulsion—permanent dismissal from the University.
6. Extra fee assessments.
7. Payment of restitution to the University or, when University intervention is deemed appropriate, to another individual for damages or losses.
8. Withholding of transcripts for refusal to return University property, pay University debts, or other violations of University standards.
9. Denial or revocation of degrees (for academic violations only).
10. Temporary and/or permanent removal from a class.
11. Performance of community service.
12. Referral to psychological counseling or to the Student Wellness Center for assessment, evaluation, education, and treatment, when necessary.
13. Other disciplinary actions which are appropriate to the violation(s).

D. More than one of the penalties may be imposed for any single violation. Reference to “penalty” includes multiple penalties.

E. Imposition of the penalty of suspension or expulsion from the University must be approved by the president of the University. The president's approval shall be given either at the conclusion of the 10-day appeal period if no appeal is filed, or as part of the president's final decision if an appeal is filed.

F. When a student is suspended or expelled from the University, tuition and fees that have been paid for the semester during which the suspension or expulsion occurs are refundable in accordance with the standard refund policy as stated in the semester *Schedule of Classes*.

G. A hold on a student's admission, registration, or financial aid is not an independent penalty, but may be utilized by the University as a means to either direct a student's attention to, and subsequent participation in, a pending disciplinary (or grievance) proceeding, or to obtain the student's compliance with a penalty which has been imposed, or other action which has been taken, under the Student Code.

Honor Roll (Dean's List)

To qualify for the semester honor roll (Dean's List), a student must earn a 3.5 GPA in 15 or more graded credits, except for summer semester for which 12 or more graded credits are required. Scholarship “A” pins are presented to undergraduate students who have received all *A* grades (4.0 GPA) for 15 or more graded credits each semester for two consecutive semesters in residence. **Note:** Courses for which a *P* (Pass) grade is received *do not* qualify for graded credits.

Financial Aid and Scholarship Information

Financial Aid Office

Director: Judy LeCheminant, (435) 797-0173

Office in Taggart Student Center 106

WWW <http://www.usu.edu/finaid/>

Associate Director: Steven J. Sharp

Assistant Director: Sharon B. Robinette

Computer Specialist: Tamara Adams

Business Manager: Karen S. Marshall

Counselor (A-E): Ho Williams

Counselor (F-L): Cedra H. Jensen

Counselor, Assistant Director (M-P): Todd Milovich

Counselor (Q-Z): Dina Nielson

Scholarship Counselor: Marie Atkinson

Loan and Collection Officer: William E. Jensen, SC 226

Application for financial aid begins in January for any awarding anticipated during the following academic year. In most instances, early application benefits the applicant. Those who apply early have a greater chance of receiving more aid and of having aid available in time to meet school needs. Some aid is available throughout the year. Contact the Financial Aid Office for assistance.

Scholarships are awarded to qualifying applicants who apply on or before February 1, prior to the academic year. Contact Financial Aid Office for exact deadline.

Financial aid programs, policies, and procedures described herein reflect the latest information at publication. Changes may occur in response to state and federal requirements. Appropriate notice will be made whenever possible before any change takes effect.

For further information concerning financial assistance available for graduate students, see pages 71-72 of this catalog.

Grants, Work-Study, and Loans

Federal Pell Grant. Available to undergraduates. Grants do not need to be repaid.

Federal Supplemental Educational Opportunity Grant. Available to undergraduates. Grants do not need to be repaid. The maximum award varies yearly. Awarding is based on need and funding.

Leveraging Educational Assistance Partnership Grant. Awarded to resident undergraduates who demonstrate exceptional need. Awards are based on availability of funds.

Other Grants and Special Benefits. Contact the Financial Aid Office for details concerning BIA or Tribal Grants.

Federal Work-Study (CWS). Provides part-time on-campus and some off-campus employment to enable students to earn a portion of their educational expenses during the college year. Awarding is based on the availability of funds.

Federal Perkins Loan. Undergraduate students generally may borrow up to \$2,400 a year, to a total school amount of not more than \$15,000. Graduate students may borrow \$3,000 per year, up to \$30,000. Monthly payments and interest begin after graduation, withdrawal, or otherwise leaving school, or after dropping below 6 credit hours. A 5 percent simple interest rate applies. Awarding is based on need and funding.

Federal Stafford Loan. Low, variable interest loans. Freshmen may apply for up to \$2,625 each regular school year; sophomores may apply for up to \$3,500 a year; juniors, seniors, and second bachelor's degree students may apply for up to \$5,500 a year; and graduates may apply for up to \$8,500 a year. Aggregate borrowing limits are \$23,000 for undergraduates and second bachelor's degree students, and \$65,500 for graduates. Monthly repayment begins after completing or leaving school, or after dropping below 6 credit hours. Interest accrued prior to the beginning of repayment is paid by the federal government for "subsidized" Federal Stafford Loans. Maximum repayment period is generally 10 years.

PLUS Loans. PLUS loans are for parents who want to borrow for their children's education. This loan provides additional funds for educational expenses. Repayment begins within 60 days after the last loan disbursement. This variable interest loan has an interest rate cap of 10 percent. This loan is available when other awarded federal aid to the student does not fully meet the school's estimated cost of education.

Emergency Loan. Emergency money is available for USU students with fees paid for at least 6 credit hours. Graduate students may apply for up to \$500. Undergraduate students may apply for up to \$200. Emergency loans are not available for tuition. The duration of emergency loans is eight weeks. A low rate of interest or service charge applies.

Method of Awarding Financial Aid

A student's **Estimated Family Contribution (EFC)** is calculated from information provided by the student on the federal financial aid application. A student's **Financial Need** is the difference between the estimated cost of education and the EFC. Financial aid is awarded to fill this need, as much as possible, using whatever funds are available.

Estimated Cost of Undergraduate Education for Two Semesters for 2001-2002 Academic Year

	Resident	Nonresident
Tuition and Fees ¹	\$ 2,590	\$ 7,897 ²
Room and Board	5,060	5,060
Books and Supplies	855	855
Transportation	1,210	1,210
Personal Expenses	1,740	1,740
Totals	\$11,455	\$16,762

¹See complete schedule of tuition and fees on page 14.

²See tuition and fee schedule for international students, page 14.

Repayment of Federal Funds Policy

Students who are withdrawing from the University and who have Federal Financial Aid must meet with their financial aid counselor prior to withdrawing.

Students who completely withdraw from the University during the course of a semester are required to return a percentage of their Federal Student Financial Aid. All types of Federal Financial Aid are included in the repayment, including: Pell Grants, Supplemental Grants, Perkins Loans, and Stafford Loans. The amount of repayment is based on the percentage of the semester completed. For example, if a student withdraws after completing 40% of the semester (calculated using calendar days), the student must return 60% of his or her Federal Student Aid. If the student is eligible for a refund of tuition and fees, according to the University refund policy, the refund will be applied to the Federal Financial Aid obligation. A refund may or may not completely repay the obligation. Either way, the student will not be allowed to register for future classes, nor be eligible for future financial aid, until the debt is repaid.

For example, suppose a student has Federal Aid in the following amounts:

Pell Grant	\$1,500
Perkins Loan	1,200
Stafford Loan	2,750
Total	\$5,450

If the semester has 115 calendar days and the student completely withdraws from the University on day 20, the repayment would be calculated as follows: $115/20 = 17\%$ of the semester completed, and 83% not completed. Therefore, 83% of the Federal Aid must be repaid (i.e., $\$5,450 \times 83\% = \$4,523.50$).

Withdrawal on day 20 would allow a 50% refund of tuition and student fees. If the student paid \$1,400, the refund would be \$690 (i.e., \$700 minus the \$10 nonrefundable registration fee). Therefore, after \$690 is applied to the repayment, an additional \$3,842.50 must be repaid (i.e., $\$4,523.50 - \$690 = \$3,842.50$).

Note: Loan funds to be repaid will go into repayment according to the terms of the loan. Grant funds to be repaid must be repaid immediately. More details are available from the Financial Aid Office.

Responsibility of Financial Aid Recipients

Undergraduate financial aid recipients are expected to maintain a USU GPA of at least 2.0 and complete the appropriate number of credits for the type of aid they receive. Most grants, work-study, and Perkins Loans require full-time (12 credits) enrollment. (Pell Grants are pro-rated for full-time, three-fourths-time, half-time, and less than half-time.) Stafford Loan recipients must maintain 6 credits each semester they receive a loan.

Graduate students must maintain a USU GPA of 3.0 and must complete 6 credits each semester they receive financial aid or defer student loans.

Students not maintaining either the required credits or the required grade point average will be placed on financial aid probation for a minimum of one semester. Students not meeting the required minimums during the period of probation will be suspended from further aid. In exceptional circumstances, students may appeal to have the suspension lifted.

In addition to maintaining academic progress as defined above, recipients may not owe a repayment on grants previously received, or be in default of any student loan fund at USU or any other institution.

Scholarship Policy

The scholarships listed are awarded through the services of the Financial Aid Office, Recruitment/Enrollment Services, Alumni Relations, and the various colleges and academic departments.

Scholarships for New Undergraduate Students. Utah State University offers a variety of scholarships based on academic merit using the cumulative GPA (a four-point scale is used to determine cumulative GPA) and ACT or SAT score. Some other criteria may be used in determining eligibility, such as achievements, leadership, talent, family size and income, ethnicity, and first-generation college student status. The scholarship application deadline (as listed on the new dual admissions and scholarship application) is *different than the admissions deadline*. **To be considered for scholarships, students must apply by February 1.** For more information about scholarships for new undergraduate students, contact Recruitment/Enrollment Services, 1-800-488-8108 or (435) 797-1129.

Scholarships which pay full or partial tuition are available for incoming freshmen and transfer students. To qualify for these scholarships, a student must be registered for 12 or more credits per semester. These scholarships will pay for 12 to 18 credits per semester. Details about the various waiver scholarships available are listed on the dual admissions and scholarship application.

Donor Scholarships. Students applying for these scholarships should apply to the office indicated in the scholarship description or to the college listing the scholarship. Some selection criteria may include certain majors or colleges, class standing, minimum grade point average, past accomplishments, financial need, or special qualifications established by the donor. Donor scholarships are listed on pages 24-38.

³Part-time students (less than 12 credit hours) may be eligible for and be awarded lesser amounts of Pell Grant aid.

Scholarships and Grants-in-Aid

The following are awarded principally to new undergraduate students:

4-H Scholarships. An applicant for any of these scholarships must have been a Utah 4-H member for at least two years, must be a Utah resident, and must become an active member of Collegiate 4-H. The following scholarships are available:

4-H Achievement

County 4-H Scholarships

Amy Kearsley 4-H Merit

Farm Credit 4-H Scholarship

Fern Kelley Memorial

Von H. and Elaine Jarrett

Gardner-Ellis Memorial

For further details, contact the Utah State 4-H Office, AG S 208, 1-888-4-H Youth (1-888-449-6884).

African-American Leadership Scholarship. An annual scholarship awarded to a graduating high school senior who is an African-American, a Utah resident, and a U.S. Citizen. Recipient must have demonstrated leadership, both in high school and the community, and must have shown special talent and the potential for continued leadership. To receive this award, recipient must carry at least 12 credit hours per semester. For application and more information, contact Recruitment/Enrollment Services.

Gregory J. Allsop Scholarship. Recipients must have a GPA of at least 3.2, must have graduated from a Utah high school, and must demonstrate a history of participation in high school and community service. For application and more information, contact Recruitment/Enrollment Services.

Alumni Chapter Scholarships. Scholarships awarded to entering freshmen from alumni chapter areas who demonstrate academic achievement, financial need, and personal integrity. Utah high school students may obtain an application from their high school counselor. Out-of-state high school students should contact Alumni Relations, (800) 291-2586, for the address and phone number of their alumni chapter president, who can provide applications. Information and applications are also available from Recruitment/Enrollment Services.

Alumni License to Learn Scholarships. Monies generated from the sale of collegiate license plates will sponsor these scholarships. Applications are available through Alumni Relations, (800) 291-2586.

Ezra Taft Benson Scholarship. For entering resident freshmen with a high school grade point average of at least 3.8 and an ACT score of at least 31. High moral standards must be verified by two letters of recommendation. For application and more information, contact Recruitment/Enrollment Services.

Dee and Belva Broadbent Scholarship—Wasatch High School. Awarded to one boy and one girl graduating from Wasatch High School in Heber City, Utah, to be used for enrollment at Utah State. For application and more information, contact Recruitment/Enrollment Services.

Marie Eccles Caine Scholarships. Scholarships for incoming freshmen with abilities in the arts. One scholarship will be given to a graduate of each of the following high schools: Bear River, Box Elder, Logan, Mountain Crest, Preston, and Sky View. Recipients must major or minor in the arts. For application and more information, contact Julie Pitcher at (435) 797-3662.

Laurence and Florian Cazier Blackett Scholarships. Awarded to incoming freshmen who demonstrate financial need and can show personal integrity. For application and more information, contact Recruitment/Enrollment Services.

J. Wayne and Roberta H. Fronk Scholarships. Recipients must be graduates of Bear River High School majoring in Elementary Education, Engineering, Business, or Humanities, and must demonstrate financial need. For application and more information, contact Recruitment/Enrollment Services.

Leo Hawks Scholarship. Recipient must be a graduate of Preston High School. For application and more information, contact the counseling office at Preston High School or Recruitment/Enrollment Services.

The Russell and Carol Hendricks Scholarship. A \$700 scholarship will be awarded annually to three freshmen who are residents of Lewiston, Utah. Applicants must demonstrate financial need, must have a minimum 2.5 GPA, and must not have been awarded any other scholarship. For application and more information, contact Recruitment/Enrollment Services.

The Weston G. Henrie Scholarship Fund. One or more scholarships are awarded annually to seniors from Logan High School attending Utah State University who have demonstrated high academic achievement in social studies. The scholarship is established in honor of Mr. Henrie who taught social studies at Logan High School. For application and more information, contact Recruitment/Enrollment Services.

Melba Brunt Lewis Scholarship. Awarded during alternate years to graduate women from Skyline and Idaho Falls High Schools, in Idaho Falls. The four-year award will be made based on the following criteria: academic—50%, sensitivity to the feelings of others—30%, and financial need—20%. For application and more information, students should contact their high school counselor.

E. A. Miller Inc. and Conagra Inc. Scholarship. Applicants should demonstrate academic achievement, financial need, and personal integrity. First priority will be given to employees and dependents of E. A. Miller. For application and more information, contact the counseling center at Mountain Crest High School or Recruitment/Enrollment Services.

Ernest J. and Norma Miller Scholarship. Candidates should demonstrate leadership ability in community, church, and educational activities. For application and more information, contact Recruitment/Enrollment Services.

N. Glen Neeley Scholarship. Nathan Glen and Deta P. Neeley established, in their will, scholarships for worthy students living in Box Elder County, who are completing their senior year at Box Elder or Bear River High School. For application and more information, contact Recruitment/Enrollment Services.

Melvin Ronald Olsen Scholarship. Recipient must be a male graduate of Snow College and must not be a member of the LDS Church. For application and more information, contact Recruitment/Enrollment Services.

President's Leadership Council Scholarship. Four-year scholarships awarded to high school leaders. For application and more information, contact Recruitment/Enrollment Services.

Woodey B. Searle Scholarship. A tuition scholarship is awarded each year by Woodey B. Searle to a needy and deserving graduate of the Uintah High School. Applications should be filed before April 15 with the principal of the UHS at Vernal.

Conway B. and Elaine W. Sonne Scholarship. Recipients shall be graduating high school seniors with leadership experience and potential. Candidates chosen by Mountain West Center for Regional Studies and Recruitment/Enrollment Services. For details, contact Mountain West Center, (435) 797-3630.

Summer Citizens Scholarship. Applicants should demonstrate financial need and academic achievement. Recipients must be graduates of Sky View, Mountain Crest, or Logan High School. Applications are available from high school counselors or Recruitment/Enrollment Services.

Dr. W. C. Swanson Family Foundation Scholarship. Student recipients should display academic achievement, leadership traits, financial need, and personal integrity. Awards are made to reentry (nontraditional) students, minority students, and incoming freshmen. For application and more information, contact Julie Pitcher at (435) 797-3662.

W. Preston Thomas Family Scholarship. Recipients must be graduates of Logan High School, and must demonstrate financial need, academic achievement, and leadership skills. For application and more information, contact the career center at Logan High School or Recruitment/Enrollment Services.

University Club Scholarships. The University Scholars Program offers the most prestigious scholarships awarded at Utah State University. Each year approximately 20 scholarships are awarded to students who attend a competition held on campus. The scholarship pays tuition and \$2,400 per year. In addition, 10 scholarships are awarded by the individual colleges with a cash stipend that varies from \$300 to \$1,250 per year. For more information and an invitation, contact Recruitment/Enrollment Services.

William E. and Ruth Mae Watkins Scholarship. Candidates should be admitted as students at Utah State University. Preference will be shown to descendants of the William E. and Ruth Mae Watkins Family. Recipients shall be chosen by the scholarship selection committee of Recruitment/Enrollment Services.

Women's Center Scholarships. Awards are based on need, proposed academic and personal goals, and scholarship. Four types of awards are available: **Encouragement.** For women or men who are attending college for the first time and have a gap of at least five years since finishing high school. Must be enrolled for a minimum of 3 credits. Undergraduates only. Residents or nonresidents. **Reentry.** For women or men who have a gap of at least five years at some point in their education. A minimum 2.5 GPA is required. Must be enrolled for a minimum of 6 credits. Undergraduates only. Residents or nonresidents. **Graduate Reentry.** For graduate women. Must have a minimum 3.0 GPA. Must be enrolled for a minimum of 6 credits. Residents or nonresidents. **Tuition Waivers.** For women or men who have a five-year gap at some point in their education, but have been attending college for at least one semester. A minimum 3.0 GPA is required. Must be enrolled for a minimum of 12 credits. (Any credits over 18 are not covered.) Undergraduates and Utah residents only. Apply in the Women's Center/Reentry Student Center, SC 310.

The following are awarded principally to undergraduate students already enrolled:

Air Force ROTC Scholarship. Arranged for two to four years, this scholarship pays for tuition, fees, books, stipend, plus a nontaxable allowance of \$150 per month. Contact USU Air Force ROTC for application and further details or call (435) 797-8723.

The Lieutenant Clyde Parker Baugh Memorial Fund. A gift of Mr. and Mrs. Wilford F. Baugh in memory of their son Clyde Parker Baugh, it provides scholarships annually for deserving students of high scholarship and leadership. Apply in the Financial Aid Office by February 1.

Robert K. Baum Memorial Engineering Scholarship. Two \$500 scholarships provided for two students in the College of Engineering. Preferences given to graduates from Wasatch High in Heber City, Utah. The other scholarship(s) given to individual(s) with disabilities. Contact Disability Resource Center, SC 104, or call (435) 797-3434 for application and further details.

Val R. and Ruth Ann Christensen Student Leadership Scholarship. Given to a junior or senior with a USU GPA of 3.0 or higher. Past and present involvement in student government required. Applications available in ASUSU Office, SC 326, after April 1.

The Class of 1927 Gift to the University. Awarded to junior or senior students with scholastic achievement and student leadership at the University. Applications are available at the Financial Aid Office, and are due February 1.

USU Classified Employees Scholarship. An annual scholarship awarded to a son, daughter, spouse, or grandchild of a classified employee. Recipient must be an undergraduate and must carry at least 12 credit hours per semester. Contact Paula Baker, (435) 797-0730 for further details.

The Vern H. and Mabel Cloward Allred Scholarship. Awarded to students with academic achievement, financial need, and personal integrity. Must be enrolled at USU or the Uintah Basin Education Center. Preference shall be given to descendants of Vern and Mabel Cloward Allred. Apply at the Financial Aid Office by February 1.

Marriner S. Eccles and Emma Eccles Jones Scholarship. Established to assist African-American and Hispanic students. Applicant must (1) be a citizen of the United States; (2) be of African-American or Hispanic descent; (3) be capable of succeeding in a University program; and (4) be able to demonstrate need of assistance. Applications available mid-January in Multicultural Student Services, SC 311K.

Hearing Impaired Student Awards. Various scholarships offered annually to students with documented hearing impairments. Preferences given to students from Broward County in Florida. Awards based on academic standing and financial need. For applications and further details, contact Disability Resource Center, SC 104, or call (435) 797-3434.

The Johansen Scholarship Fund. A gift of Johana Johansen, this provides scholarships annually, for help to worthy students of junior and senior rank. Apply in the Financial Aid Office by February 1.

Lao-American Scholarship. Students must be native to Laos and major in agriculture, education, engineering, forestry, or public health. Applications available mid-January in Multicultural Student Services, SC 311K.

Helen Lundstrom Panhellenic Scholarship. Given in honor of Dean Lundstrom, this aid is for an undergraduate or graduate female student in a Greek organization. Must have high academic standing and leadership involvement. Applications are available in the ASUSU Office, SC 326.

Merrill O. Maughan Scholarship Fund. One or more scholarships given annually to returned LDS missionaries who have served 18 months or two years in the mission field who are in need of financial aid. Apply in the Financial Aid Office by February 1.

Mortar Board Alumni Scholarship. Offered to members or alumni of Mortar Board, this scholarship can be used for senior year or graduate study at USU. Apply through Women's Center or Mortar Board advisor.

Emma Mosher Scholarship. Unrestricted. Apply in the Financial Aid Office by February 1.

Harold L. Nielson Memorial Scholarship. Memorial scholarship offered to a student with a documented vision impairment. Award based on academic standing and financial need. For application and further details, contact Disability Resource Center, SC 104, or call (435) 797-3434.

Richard J. Olsen Scholarship. Awarded to students who demonstrate academic achievement, financial need, and personal integrity. Preference given to direct descendants of Richard J. Olsen or sisters Pat Olsen Nyman, Mary Jo Olsen Courtney, and Kathleen Olsen Yazzie. Apply in the Financial Aid Office by February 1.

Phi Kappa Phi Scholarship. A cash award given to two or three junior students. During spring semester, the application procedures for next year's scholarships will be announced in the *Statesman*.

Quadrangle Scholarship. Applicants may not receive another scholarship or tuition waiver. Awards are available to graduate, undergraduate, international, classified dependent, and reentry students. During spring semester, the application procedures for next year's scholarships will be announced in *The Statesman*.

T.G. Rechow Scholarship. Unrestricted scholarships established in their will by the Rechows. Apply in the Financial Aid Office by February 1.

Harriet Smith Scholarship. Unrestricted. Apply in the Financial Aid Office by February 1.

Snipe-Young Native American Scholarship. Awarded to Native American students, who must be legal North American Indians with at least one-quarter Indian blood. Preference given to students with high GPA. Applications available mid-January in Multicultural Student Services, SC 311K.

W.C. Swanson Family Foundation for Swanson Foundation Multicultural Scholars. Dr. W. C. Swanson established funding to assist multicultural students, who must show financial need, academic achievement, leadership traits, and personal integrity. Applications available mid-January in Multicultural Student Services, SC 311K.

Utah State University Emeriti Scholarship. Application should be made by freshmen students who have superior academic qualifications. Applicants must be related to an Emeriti member. For more information, contact Alumni Relations, (435) 797-2055.

The Wallace R. Wayman Memorial Scholarship Fund. From an endowment established by Mr. Wayman, these funds are to help needy students attending USU. Preference given to descendants of Wallace R. Wayman and the three sons of Bill Anderson. Apply in the Financial Aid Office by February 1.

Women's Center Scholarships. Awards are based on need, proposed academic and personal goals, and scholarship. Four types of awards are available: **Encouragement.** For women or men who are attending college for the first time and have a gap of at least five years since finishing high school. Must be enrolled for a minimum of 3 credits. Undergraduates only. Residents or nonresidents. **Reentry.** For women or men who have a gap of at least five years at some point in their education. A minimum 2.5 GPA is required. Must be enrolled for a minimum of 6 credits. Undergraduates only. Residents or nonresidents. **Graduate Reentry.** For graduate women. Must have a minimum 3.0 GPA. Must be enrolled for a minimum of 6 credits. Residents or nonresidents. **Tuition Waivers.** For women or men who have a five-year gap at some point in their education, but have been attending college for at least one semester. A minimum 3.0 GPA is required. Must be enrolled for a minimum of 12 credits. (Any credits over 18 are not covered.) Undergraduates and Utah residents only. Apply in the Women's Center/Reentry Student Center, SC 310.

Jeffrey S. Workman Memorial Scholarship. Awarded to a USU undergraduate student in any major on the basis of need and the potential for the award to positively influence the recipient's personal and professional development. Scholarship is to be applied toward FAA-approved private pilot flying lessons. For application form and details, contact College of Natural Resources, Natural Resources 112.

College of Agriculture Undergraduate Scholarships and Awards

The following scholarships and awards are available to undergraduate students *only*. Applications are available at the College of Agriculture Dean's Office, Agricultural Science 223.

Allen N. and Helen Adams Scholarship. Three scholarships awarded to students who demonstrate academic excellence, financial need, and personal integrity. Preference given to upper-division undergraduate students majoring in Animal Science who are U.S. citizens. One scholarship awarded in each of the following three areas: animal physiology and breeding, animal management and extension, and animal nutrition.

Agricultural Dean's Leadership Award. Two semesters of in-state tuition waiver. To be eligible, the student must (1) have served as or be currently serving as the State of Utah FFA president, (2) have a high school GPA of 3.00 or higher on a four-point system, (3) enroll as a full-time student with courses leading toward a degree in an approved major in the College of Agriculture at USU, (4) maintain a GPA of 3.00 or higher each semester in order to use the waiver the subsequent semester, (5) submit a scholarship application and a transcript of high school and college credits (indicate the years served as state FFA president). These documents should be submitted on or before April 1 of the calendar year prior to the first semester when the waiver is used, and (6) have no other tuition waiver for the semesters this award is to be used.

Agriculture and Business Fund. Awards for students majoring in agricultural economics or agribusiness, based on scholastic achievement, need, and performance.

Agricultural Machinery Technology Scholarships. Three or more scholarships awarded to students enrolled in the agricultural machinery technology component of the Agricultural Systems Technology and Education Department. Awards based on financial need and industry restrictions.

Agricultural Systems Technology and Education Department Scholarships. Scholarships or tuition waivers for students majoring in agricultural education, agricultural systems technology, and agricultural mechanics.

Alumni Association Scholarships. College of Agriculture Alumni Association scholarship awards of \$500 to students demonstrating academic achievement, personal integrity, outstanding leadership potential, and financial need.

American Breeders Service Award. One or more awards to deserving students currently enrolled in the Dairy Herdsmen program, based on scholarship, need, leadership, and interest in becoming a dairy herdsman.

Fred A. and Ruth L. Bingham Scholarship. An annual scholarship awarded to an undergraduate student majoring in some field of agriculture. The award is based on high academic standards, superior potential, personal integrity, and a high sense of social and moral responsibility.

Wayne and Lucille S. Binns Scholarship. An endowed scholarship awarded to a junior majoring in Animal, Dairy, or Bioveterinary Science who demonstrates academic achievement, personal integrity, and a high sense of social and moral responsibility.

George T. and Eva B. Blanch Scholarship Endowment Fund. This scholarship is to be given to upper-division students in agricultural economics with demonstrated academic ability, financial need, and personal integrity.

J. Grant Broadbent Award. One or more awards for students of sophomore, junior, or senior standing on the basis of their potential for making a significant contribution to the range livestock segment of agriculture. They must demonstrate leadership and scholarship.

Cache Valley Cooperative Scholarship. One or more scholarship awards for students majoring in dairy science. Preference given to incoming freshmen with high academic merit.

Cache Valley Select Sires Award. One or more awards to deserving students currently enrolled in the Dairy Herdsmen's Program, based on scholarship, need, leadership, and interest in becoming a dairy herdsman.

George B. Caine Dairy Memorial Scholarship Award. One or more scholarships are awarded annually to outstanding upper-division dairy students as determined by scholarship, leadership, and need. Prof. Caine was the founder and first department head of dairy science at Utah State University.

Campbell Scientific, Inc. Scholarship. Recipients shall be United States citizens majoring in the College of Agriculture.

Evan B. Campbell Scholarship. Awarded to United States citizens majoring in agriculture.

CENEX Harvest States Foundation Cooperative Studies Scholarships. Awards of \$600 each for students completing one-year and two-year applied technology programs who complete an agribusiness internship work experience. First-year recipients are eligible for a second year award.

CENEX Harvest States Foundation Agribusiness Scholarships. Three awards of \$750 each for junior or senior students in agriculture who have had academic instruction in farm cooperatives, based on scholastic achievement and leadership qualities, rather than on financial need. Awarded to students from the following states: Colorado, Idaho, Iowa, Kansas, Minnesota, Montana, Nebraska, North Dakota, Oregon, South Dakota, Utah, Washington, Wisconsin, or Wyoming. If awarded to juniors, a \$750 scholarship will be available for their senior year, subsequent academic year only, providing they still meet the scholarship criteria.

Daryl and Alice Chase Scholarship. Awarded to College of Agriculture students demonstrating financial need.

Rodney Chase and Hilda Allred Memorial Scholarship. Awarded from an endowment fund honoring Rodney Chase and Hilda Allred. Half-tuition scholarship awarded for two semesters to a junior or senior student studying agronomy.

D. Kenneth Christensen Scholarship. A scholarship awarded to an outstanding student in the Department of Plants, Soils, and Biometeorology majoring in agronomy. Student recipients should demonstrate academic achievement, financial need, and personal integrity. Established to honor the late D. Kenneth Christensen, former chairman and president of Northrup, King & Co.

Alfred E. Clarke Scholarship. A scholarship awarded to an outstanding student in the Department of Plants, Soils, and Biometeorology who demonstrates academic achievement and financial need. Established through the estate of the late Violet May Lory in honor of her late brother, Alfred E. Clarke.

Cooperative Management Fund. Supports students involved in the study and research of consumer and producer cooperatives management, as well as management of other types of employee ownership and management.

Ralph Garr Cutler Scholarship. One or more scholarships awarded to students majoring in agricultural economics or agribusiness management. Awards based on academic achievement and professional promise.

Dairy Industries Scholarships. Awards for dairy students based on past academic achievements and demonstrated interest in and experience with the dairy industry. The number and amount of each scholarship is dependent on available funds.

Dairy Heifer Contest. Several scholarships are awarded each year based on student performance in a written test and an interview. Contributors include Utah State University, Utah Holstein Association, Cache Valley Select Sires, Trenton Feedlot, Intermountain Farmer's Association, and other individuals and organizations.

Rex F. Daly Scholarship. Recipients should be majoring in Agricultural Economics.

Wade G. Dewey Scholarship Award. One or more scholarships will be provided to outstanding junior or senior students from the Plants, Soils, and Biometeorology Department who have a special interest in agronomy and plant breeding. Selection is based on academic performance and potential for professional achievement. These awards are provided by the Utah-Idaho Grain Exchange Endowment established in honor of Dr. Dewey for his contribution to the improvement of cereal grains for the Intermountain Region.

C. Anthon and Maurine L. Ernstrom Food Science Scholarship Endowment. Awarded to junior or senior students majoring in food science with preference given to students pursuing dairy food science.

Barnard and Susan Alvord Farr Scholarship. Recipients should be juniors or seniors majoring in the College of Agriculture, who have a GPA of at least 3.0 and demonstrate financial need.

First Security Foundation Scholarship. Scholarship(s) awarded to a student(s) in agriculture during his or her junior or senior year based on merit and need.

Carl O. and Genial Lund Frischknecht Award. The recipients of this award should demonstrate academic achievement, financial need, and personal integrity.

Boyd K. and Merle Thompson Gardner Scholarship. Recipient should be a junior or senior majoring in dairy science, having a GPA of at least 3.0, and demonstrating financial need.

William R. Godfrey Scholarship. Awarded to juniors and seniors majoring in the ADVS Department, who have a GPA of at least 3.2 and have demonstrated a willingness and necessity to be employed while pursuing their degrees.

Edwin Gossner, Jr. Family Scholarship. Awarded to juniors or seniors pursuing a degree in either dairy production or dairy processing in the College of Agricultural

ture. The candidate's GPA should not be less than 3.0, nor should GPA be the major criteria for selection.

Heber Valley Livestock Foundation Scholarship. Awarded to a graduating senior attending Wasatch High School, located in Heber, Utah, or to the child or grandchild of a graduate of Wasatch High School.

Andrew L. and Corinne G. Heggie Scholarship. An annual award from an endowment fund provided by the Heggie family to be given to a student having a major within the Department of Plants, Soils, and Biometeorology. Recipients should demonstrate superior potential in the field of agriculture, personal integrity, and a high social and ethical responsibility. GPA should not be the main criteria for selection, but candidates must demonstrate a desire to succeed and to make a contribution in the area of dry farming.

Dan and Loyal Hunter Scholarship. Awards for students majoring in agricultural economics or agribusiness. Awards are based on academic achievement, professional promise, personal integrity, and a high sense of moral responsibility.

Industry Sponsored Scholarships for Agricultural Machinery Technology Students. Awarded to students in the Agricultural Machinery Technology program on the basis of need, leadership, scholastic abilities, and areas of specialization.

Institute of Food Technologists Scholarships. Scholarships of \$500-1,000 are available on a nationally competitive basis for students in accredited food science and food technology programs.

Frank H. and Pearl L. Jackson Agricultural Endowment Scholarships. One or more scholarships awarded annually to assist future generations of students in the College of Agriculture. Students should demonstrate financial need, personal integrity, quality academic achievement or potential, and a strong sense of performance commitment.

Leonard C. and Dorothy C. Kearl Scholarship. An endowed scholarship awarded to students having a major within the Department of Animal, Dairy and Veterinary Sciences or within the Department of Theatre Arts. Recipients must show a serious desire to obtain an education and must have a GPA of at least 3.0.

R. Paul and Lorna Larsen Scholarship. Two scholarships awarded to senior or junior horticulture students with special interest in fruit culture, or organic agriculture, and landscape improvement in the Department of Plants, Soils, and Biometeorology. Preference given to students planning a career in university extension service. Selection based on financial need, academic achievement, initiative, superior potential, and personal integrity.

Glenn E. Leggett Memorial Scholarship. One or more scholarships established by Mrs. Glenn E. Leggett to honor her late husband's work in soil fertility and plant nutrition. Scholarships, based on scholastic achievement, are awarded to students who are majoring in the Department of Plants, Soils, and Biometeorology who have an emphasis in soil fertility and/or plant nutrition.

Dr. H. Alan Luke Scholarship. One or more scholarships awarded to upper-division students majoring in agricultural economics or agribusiness management. Awards based on academic achievement and professional promise. Applicants must submit a 400- to 500-word essay on the role they believe governments should play in regulating and/or otherwise influencing the forces of supply of and demand for agricultural products. Recipients must be from a rural county in the Intermountain area.

Hyrum J. MacKay Award. Recipients of this award should demonstrate academic achievement, financial need, and personal integrity.

Milton A. Madsen Memorial Scholarship Fund. An award is given to an undergraduate student majoring in Animal Science, awarded on the basis of scholarship, need, and dedication to the livestock industry. This fund was established by family, friends, and colleagues as a memorial to Dr. Madsen's contributions to the livestock industry and USU.

Arthur W. Mahoney Scholarship. A memorial scholarship established by Sylvia M. Mahoney, family, and friends. Awarded to a senior student majoring in Nutrition and Food Sciences with an emphasis in human nutrition. The award is based on academic achievement, financial need, and a desire to attend graduate school.

Arola B. McDonald Dietetics Scholarship Endowment. Awarded to an undergraduate student majoring in Nutrition and Food Sciences with an emphasis in dietetics. The award is based on financial need, scholastic achievement, potential, and moral and personal integrity.

Marriner Wood Merrill Endowment. Awarded to a student demonstrating quality academic achievement, superior potential, personal integrity, and a high sense of social and moral responsibility.

Ronald L. Moshier Scholarship. Awarded from an endowment fund provided by the Moshier family. Given to a student having a major within in the Department of Plants, Soils, and Biometeorology and having a GPA of 3.0 or higher.

Darwin Nielsen Scholarship. One or more scholarships to be awarded each year for use in the junior or senior year, on the basis of scholarship and participation in the USU Rodeo Club as a member in good standing.

Robert D. and Lenore L. Nielson Scholarship. Renewable annual scholarship awarded to a junior or senior majoring in environmental soil/water science. Particular attention given to students having financial need, exhibiting keen skills and potential (irrespective of GPA), and having a strong desire to work to promote the wisest and best use of the earth's natural soil, water, and plant resources.

Major A. and Lucy Nilson Scholarship. Student recipients of the Nilson scholarship must have agricultural backgrounds and must be enrolled in the preveterinary program in the Animal, Dairy and Veterinary Sciences Department.

Don B. and Joyce Olsen Scholarship. One or more scholarships awarded to rural students residing in all Utah counties, with the exception of Salt Lake County. Students must demonstrate financial need, personal integrity, and scholastic potential.

John E. and Ruth M. Osguthorpe Scholarship. One or more scholarships from an endowment fund initiated by John and Ruth Osguthorpe will be given to students in the Department of Plants, Soils, and Biometeorology. Students must demonstrate financial need and have a minimum 3.0 GPA.

Pacific Northwest Plant Food Association Scholarship. A scholarship of \$500 is given to a sophomore or junior student majoring in agronomy. Offered competitively with other universities.

Lane M. and Anne R. Palmer Scholarship. Candidates should demonstrate financial need and have a minimum 3.0 GPA.

W. Horace Palmer Scholarship. Recipients must be graduates of Milford High School in Milford, Utah, must have a minimum GPA of 3.5, and must demonstrate financial need. Preference given to students enrolled in dairy production.

Department of Plants, Soils, and Biometeorology Scholarship. Awarded to outstanding undergraduate students having a major within the department. Selection is based on academic performance and potential for future contributions in agriculture. Special consideration will be given incoming freshmen and transfer students.

Lorin D. Pollard Memorial Scholarship. One scholarship given annually in memory of Lorin Pollard by his parents. Awarded to a student demonstrating quality academic achievement, superior potential, personal integrity, and a high sense of social and moral responsibility. Recipient must be a junior or senior returned LDS missionary.

Paul and Mary Jane Rasmussen Scholarship. Award of \$1,000 given to students beginning their sophomore year. Must demonstrate financial need and have a minimum 3.0 GPA. Additionally, candidates should have an interest in working with a botanical center or an arboretum, demonstrated by submission of a one-page statement of their reasons for considering a career associated with one of these areas.

The Charles Redd Foundation Scholarships. Awarded to agricultural undergraduate students based on need, academic achievement, personal integrity, and responsibility.

Rolla M. Rich Memorial Fund. The interest derived from this fund is to be awarded to a senior student who is a member of the Agriculture Council.

Nelson Ricks Creamery Company Scholarships. Awarded to outstanding freshmen majoring in food science with an interest in dairy processing.

Woodward-Ritewood Endowment. Two awards given annually to students majoring in Nutrition and Food Sciences, one with emphasis in nutrition and one with emphasis in food science. The awards are based on academic achievement, superior potential, personal integrity, and a high sense of social and moral responsibility.

Seely-Hinckley Scholarship. A scholarship established as a memorial for John H. Seely and Robert H. Hinckley. Awards based on superior achievement and financial need.

James LeGrande and Faye C. Shupe Scholarship. At least five scholarships awarded as follows: (1) two or more recipients shall be academically worthy sophomore to senior bioveterinary science majors; (2) one to three awards shall be made to incoming freshmen bioveterinary science majors of high academic merit; and (3) two or more awards shall be made to students majoring in fields related to animal health, based on financial need.

Lynne Emilie Sorenson Scholarship. Awarded to graduates of South Summit High School who are pursuing a degree in the College of Agriculture.

Donald L. Staheli Scholarship. Recipients must have minimum GPA of 3.3 and demonstrate financial need.

Stouffer's Scholarships. Awarded to students in the food sciences area of Nutrition and Food Sciences.

Sterling A. Taylor Memorial Scholarship. One or more scholarships donated by Frances Taylor and friends to honor Sterling A. Taylor. Awarded to an outstanding sophomore, junior, or senior in the Department of Plants, Soils, and Biometeorology with special consideration given to students majoring in soil science or biometeorology. Selection is based on high scholastic standing, leadership qualities, and potential in the field of soils or biometeorology.

Utah Agricultural Leadership Scholarship. Awarded to students majoring in a field related to production agriculture. Recipients must have been Utah residents for at least three years. Particular attention given to students exhibiting keen skills and potential and a strong orientation toward good citizenship and community service.

Utah Association of Conservation Districts Scholarship. Recipients must be junior or senior full-time USU students who graduated from a Utah high school. Candidates must demonstrate academic achievement (with minimum 3.5 GPA) and show financial need.

Utah Dairy Commission. One or more scholarships awarded annually to outstanding junior or senior students majoring in a dairy curriculum or a closely related agricultural major dealing with production, processing, product development, or marketing.

Utah Farm Bureau Federation Scholarships.

a. President's Award. An award of \$600 to an undergraduate student in agricultural production.

b. Leadership Award. An award of \$600 to the student who has exhibited the greatest measure of growth and excellence in scholarship, constructive organization, and leadership in the College of Agriculture through University courses.

c. Agricultural Education Teaching Scholarship. Awarded to senior students completing requirements for teacher certification in agriculture. Selection based on scholarship, leadership, and financial need.

Utah Feed Manufacturing and Dealer's Association Award. A cash award to an outstanding senior with a major in some phase of animal science, preferably one interested in animal nutrition.

Utah Vocational Agriculture Teachers Association Scholarship. A \$500 scholarship awarded to senior students preparing to complete student teaching and certification requirements. Award based on superior achievement and need.

Harris O. and Eleanor Y. Van Orden Endowed Scholarship. Awarded to an undergraduate student majoring in Nutrition and Food Sciences with high academic records.

H. Grant and Gayle P. Vest Scholarship. Annual scholarship awarded to a student demonstrating financial need, commitment to agriculture, and good scholastic performance, along with a strong interest in and potential to succeed in his or her major. Priority given to: first, horticulture majors; second, crop science majors; and third, soil science majors. Based on performance of recipient, this scholarship may be renewed.

Robert L. Wrigley Scholarship. Awarded to students majoring in animal husbandry. The awards are based on academic achievement, financial need, and personal integrity.

Dale W. and Adele Christensen Young Scholarship. A scholarship provided through an endowment fund established by Dale and Adele Young. Given to outstanding students in the Department of Plants, Soils, and Biometeorology who have special interest in horticulture or agronomy. Special consideration given to students interested in pursuing a career in the agricultural chemical industry or associated agricultural technologies. Selection is based on superior potential, quality academic achievement, personal integrity, and a high sense of social responsibility.

Judy Youssef Memorial Scholarship. Established by the Youssef family to honor Judy's work with vocational students completing the agricultural machinery technology program. Award is based on professional promise, need, and academic performance.

Graduate Scholarships and Awards

The following scholarships and awards are available to graduate students *only*. Applications are available at the College of Agriculture Dean's Office, Agricultural Science 223.

Cache Valley Cooperative Scholarship. Awarded to a graduate student majoring in dairy science or sociology, or with a major in the Department of Economics. Recipient expected to write a master's thesis dealing with some aspect of cooperatives.

William C. Claypool Scholarship. Awarded to a graduate student at USU whose thesis is directed toward the study of some problem of significance to the agriculture of Cache Valley.

Elva Acklam and Arvil L. Stark, PhD Scholarship. One scholarship awarded annually to a graduate student in the Plants, Soils, and Biometeorology Department, with proposed research in areas of fruit culture, vegetable culture, organic agriculture, or landscape improvement. Preference given to students planning a career in horticulture in university extension service. Candidates should demonstrate academic achievement, financial need, initiative, superior potential, and personal integrity.

Joseph C. Street Fund in Toxicology. Established in memory of Prof. Street, this endowment is for graduate students majoring in toxicology to attend scientific meetings in their profession. Contact program chairman for details.

John Shaw Welch Scholarship. An annual award to a graduate student doing research work reflecting the agronomic publications of John Shaw Welch, relating to plant-source food for human consumption, or developing environmentally appropriate pest control. The candidate must demonstrate academic achievement, personal integrity, and financial need.

Undergraduate and Graduate Scholarships and Awards

The following scholarships and awards are available to *both* undergraduate and graduate students. Applications are available at the College of Agriculture Dean's Office, Agricultural Science 223.

Melvin E. Anderson Scholarship. An annual scholarship awarded to a junior, senior, or graduate student in the Department of Plants, Soils, and Biometeorology to honor the late Melvin E. Anderson. Special consideration will be given to students majoring in horticulture or plant breeding. Recipients should demonstrate academic achievement, financial need, and personal integrity.

Ralph S. and Deora Anderson Blackham Scholarship. An endowed scholarship awarded to undergraduate or graduate students studying agriculture. Awards are based on scholarship, accomplishments, and financial need.

Richard L. Chase Memorial Scholarship. An award from an endowment fund provided by family, friends, and colleagues of Richard L. Chase is given to a junior, senior, or graduate student in the Department of Plants, Soils, and Biometeorology who has expressed an interest in weed science. Selection is based on academic achievement and professional potential.

Hung Wo Ching Scholarship. One or more scholarships awarded to students majoring in agricultural economics or agribusiness management. Awards are based on academic achievement and professional promise.

Davis County Master Gardener Association Scholarship. A scholarship will be donated to a junior, senior, or graduate student in the Department of Plants, Soils, and Biometeorology. Special consideration will be given to students in horticulture and students from Davis County. Recipients should demonstrate academic achievement, financial need, and commitment to service.

Grace Williams Funk and Kaye Funk Scholarship. Awarded to a Utah resident senior or graduate student in the field of clothing and textiles or food service management.

Dr. Niranjana R. Gandhi and Mrs. Josephine N. Gandhi Scholarship. Awarded to outstanding undergraduate and graduate students majoring in nutrition and food sciences, with a food science emphasis or specialization. The awards are based on scholastic achievement, financial achievement, and personal integrity.

David S. and Retta W. Jennings Scholarship. An annual scholarship is awarded to an undergraduate or graduate student in the Department of Plants, Soils, and Biometeorology to honor David S. and Retta W. Jennings. Special consideration will be given to students majoring in soil science. Selection is based on academic performance, financial need, and worthiness.

Mr. and Mrs. William W. Owens Scholarship. A scholarship awarded to senior or graduate students in dairy science who demonstrate academic achievement, financial need, and personal integrity.

Utah State Garden Club Scholarship. A scholarship will be awarded to a junior, senior, or graduate student in the field of plant sciences. Student must be a Utah resident and should demonstrate academic excellence.

Ethelwyn B. Wilcox Human Nutrition Scholarship Fund. Awarded to worthy students with financial need who are majoring in human nutrition at the graduate or undergraduate level.

Dale W. and Adele Young Agricultural Systems Technology Scholarship. For use by undergraduate or graduate students majoring in Agricultural Systems Technology and intending to pursue a career in the agricultural chemical industry or associated agricultural systems technologies such as conservation tillage systems and sustainable agriculture.

College of Business Undergraduate Scholarships

More than \$90,000 in scholarships and tuition waivers are awarded annually in the College of Business. Included in this amount are contributions from the following:

Delonne and Margaret Anderson Scholarship. A scholarship awarded to a deserving student.

APICS Scholarship. A scholarship to be awarded to a deserving production major.

W. P. Baugh Scholarship. A scholarship awarded to a deserving student.

James E. Brown Scholarship. A scholarship awarded to a deserving production major.

Professor Vernon M. Buehler '41 Scholarship Honoring Brent Sandberg '85. Annual scholarship based on the earnings of the endowment will be awarded each year to an undergraduate accounting major with promising leadership potential and above average scholastic record.

Professor Vernon M. Buehler '41 Scholarship Honoring Dr. Larzette G. Hale. Annual scholarship awarded to a graduate or undergraduate accounting major with promising leadership potential and above average scholastic record.

Vernon M. and Maree C. Buehler Endowed Scholarship. A scholarship awarded to an Accounting major.

Richard and Laura Buist Endowed Scholarship. A scholarship awarded to a deserving Accounting student.

Herschell K. Bullen Scholarship. A scholarship to be awarded to a deserving student.

Business Information Systems Scholarships. Scholarships awarded to entering freshmen or transfer students based on academic achievement and an interest in programs in the Business Information Systems Department. Funds provided by the Annual Office Symposium.

William and Patricia Child Scholarship. A scholarship awarded to a deserving student with a major in the College of Business.

Boyd and Jean Christensen Scholarship. A scholarship awarded to a deserving student with a major in the College of Business.

Orson A. and Rae N. Christensen Scholarship. A scholarship awarded to a College of Business student who shows scholarship, integrity, and leadership.

Jeff and Bonnie Clark Scholarship. A scholarship awarded to a deserving Accounting major.

College of Business Student Scholarship. A scholarship awarded to a deserving student with a major in the College of Business.

Newel Comish Scholarship. A scholarship awarded to a deserving Marketing major.

Darrell and Jean Deem Scholarship. A scholarship awarded to a deserving student.

Electrical Wholesale Scholarship. A scholarship awarded to a deserving student.

Farmers Insurance Group. A scholarship awarded to a deserving student for academic achievement.

First Security Foundation Scholarship. Three scholarships awarded to students of junior or senior standing who are studying banking and finance.

Larzette G. Hale Accounting Student Scholarship. A scholarship awarded to a deserving Accounting student.

Russell Hanson Business Scholarship. A scholarship awarded to a deserving student for academic achievement.

Floris B. Henderson Scholarship. A scholarship awarded to a student in business education.

David and Barbara Hulme Accounting Scholarship. A scholarship awarded to a deserving accounting major.

Vernon L. Israelsen Scholarship. A \$250 scholarship awarded to a junior or senior student majoring in economics, based on academic promise, character, and citizenship.

Joseph and Tamara Keller Endowed Scholarship. A scholarship awarded to a deserving Accounting student.

Key Bank Scholarship. A scholarship awarded to a deserving student.

Larry H. Miller Enterprises Scholarship. A scholarship awarded to a deserving student.

Steve Milovich, Sr. Scholarship. A \$1,000 scholarship awarded to a deserving student majoring in human resource management.

Richard L. Nelson Scholarship. A scholarship awarded to a deserving student with a major in the College of Business.

Gus Papanikolas Scholarship. A scholarship awarded to a deserving student with a major in the College of Business.

Jack and Bonnie Parsons Scholarship. A scholarship awarded to a deserving student with a major in the College of Business.

Jay H. Price Scholarship. A scholarship awarded to an out-of-state Accounting student.

Seely-Hinckley Scholarship. Two scholarships for students with superior academic credentials with clearly defined programs leading to graduate work.

Beatrice Dayton Simmons Scholarship. Two \$1,000 scholarships awarded to students who have demonstrated quality academic achievement as well as social and personal integrity.

Harold and Grace Steed Scholarship. A scholarship awarded to a business major with student government experience.

Steve Stokes Scholarship. A \$1,000 scholarship awarded to a female business major.

Bert L. and Barbara Palmer Thomas Scholarship. Two \$1,000 scholarships awarded to outstanding upper-division students.

H. Ward and Helen Roghaar Thomas Scholarship. A scholarship awarded to a student in business.

Tim Roghaar Thomas Scholarship. A scholarship awarded to a student of junior or senior standing who is majoring in accounting.

University Club Scholar. A four-year scholarship consisting of two-semester waiver plus fees. Awarded to an outstanding entering freshman selected in competition by the College of Business Scholarship Committee. Also includes an additional \$300 per year stipend.

Robert L. and Patricia W. Wangsgard Scholarship. A scholarship awarded to a deserving student.

Western Association of Food Chains Scholarship. A scholarship awarded to a deserving student.

Graduate Scholarships

Arthur Andersen & Co. Scholarship. A graduate scholarship awarded to a student majoring in accounting.

Cordant Technologies Scholarship. A scholarship awarded to a deserving Accounting major.

Deloitte & Touche Scholarship. A graduate scholarship awarded to a deserving student.

Cook Dorigatti Scholarship. A scholarship awarded to a deserving Accounting major.

Sylvan Erickson Graduate Scholarship. A scholarship awarded to a graduate student in Business Administration based on academic achievement, integrity, and character.

Ernst & Young Scholarship. A scholarship awarded to a deserving Accounting major.

Flying J Scholarship. A scholarship awarded to a deserving Accounting major.

ICON Health and Fitness Scholarship. A scholarship awarded to a deserving Accounting major.

Jones, Wright, Simkins, & Associates Scholarship. A scholarship awarded to a deserving Accounting major.

Jones, Wright, Swenson & Simkins Scholarship. A scholarship awarded to a student showing promise for success in the accounting profession.

Roland Monson Scholarship. A graduate scholarship awarded to a student majoring in accounting.

PricewaterhouseCoopers Scholarship. A scholarship awarded to a deserving Accounting major.

Rudd & Company Scholarship. A scholarship awarded to a student majoring in accounting.

Grant Thornton Scholarship. A scholarship awarded to a deserving student majoring in accounting.

College of Business students interested in scholarships need fill out only **one** application form to be considered for **all** business scholarships.

If you have questions about scholarships, contact the director of the College of Business Student Service Center (Business 308). Application forms are available from the College of Business Student Service Center.

College of Education Undergraduate Scholarships

The following scholarships are available to undergraduate students *only*. Applications are available at the College of Education Dean's Office, Education 109. Application deadline for all scholarships is February 1 of each year.

Oral L. and Tacy C. Ballam Scholarship. Awarded each year to outstanding graduates of a Cache Valley high school who are majoring in elementary education. Preference given to outstanding nontraditional or disadvantaged senior students having financial need and for whom no other scholarship support is available.

Karen Marie Murdock Blair Scholarship. Recipient should be a junior or senior student, with a GPA of at least 3.3, majoring in Elementary Education. Preference will be given to a student showing evidence of involvement in community service and enrolled in the Language Arts Professional Depth/Emphasis.

Myrtle Sowards DeHart Scholarship in Elementary Education. In honor of Mrs. DeHart, the recipient must exhibit a genuine love for children, along with a sensitivity to the individual personal and academic needs of children. The recipient must exhibit excellent personal mental health, must have the ability to relate in a positive way to parents and co-workers, and must be a hard worker who is willing to devote the time and effort necessary to succeed as a teacher.

Eldon and Janice Drake Academic Scholarship for Juniors. Awarded to a junior student certifying in Secondary Education who has a composite teaching major in social studies, possesses high scholarship, and indicates potential for success as a teacher.

Mary Jane Faylor Scholarship for a Junior Woman in Health, Physical Education and Recreation. Junior women students in the department are eligible to apply for this scholarship, established in memory of her mother by Orpha Faylor Bradley. These recipients should have attained a high scholarship standard; maintain a high ethical standard; be involved in department-sponsored activities, College of Education, University and campus, and community activities; and have a financial need. Selection of the recipient is made by the department head upon recommendation of the Scholarship and Awards Committee. Contact head, Department of HPER.

Clifford and Julie Manning Frye Scholarship. Awarded to an outstanding junior or senior student majoring in elementary education. Preference given to a Navajo student.

Lee and Barbara Hales Family Scholarship. Recipients should be junior or senior students in the Elementary Education Department. Preference given to Logan High School graduates with GPAs between 2.5 and 3.5.

Matthew David Hillyard Endowment Scholarship Fund. Established by Mr. and Mrs. Lyle W. Hillyard in honor of their son, this scholarship is for students in the Special Education and Rehabilitation Department. Contact head, Department of Special Education and Rehabilitation.

H. B. and Ethel Hunsaker Scholarship. All HPER majors are eligible for this award. These recipients should have attained a high scholarship standard; maintain a high ethical standard; be involved in department sponsored activities, College of Education, University and campus, and community activities; and have a financial need.

Selection of the recipient is made by departmental faculty upon recommendation of the Scholarship and Awards Committee. Contact head, Department of HPER.

Arthur D. Jackson Scholarship. Recipients, who will be designated Jackson Scholars, must be students majoring in elementary education who demonstrate quality academic achievement, superior teaching potential, and personal integrity.

Ina W. Kurzhals Scholarship. Recipients must be students majoring in elementary education who have high scholastic records and show professional promise in their areas of study.

Ty and Bernice McCowin Scholarship. Awarded to a junior or senior student certifying in Secondary Education who has a composite teaching major in social studies.

Joseph Steven Meyrick Memorial Scholarship. Established by Mr. and Mrs. Stanley Meyrick in honor of their son, this scholarship is for a special education major who has a disability or someone with a disability in his or her family. Contact head, Department of Special Education and Rehabilitation, for additional criteria.

Ethel Miller Scholarship. Designated for a student who is a resident of the Star Valley, Wyoming area and who is enrolled in the College of Education in a major leading towards teacher certification. Recipient must have a minimum cumulative GPA of 3.0 and must have financial need to the extent that he/she would have difficulty completing his/her university program without financial assistance. Contact Dean's Office, College of Education.

Chloe Friday Steward Memorial Fund. Given by Dean and Mrs. L. Mark Neuberger, in memory of their aunt, Mrs. Steward, to an outstanding junior or senior student majoring in elementary education.

Rehabilitation Counseling Personnel Preparation Support Grants. All Rehabilitation Counseling students may apply for these scholarships, which are funded by federal grants to the Department of Special Education and Rehabilitation. Amounts of awards vary. Contact Head, Department of Special Education and Rehabilitation.

Special Education Personnel Preparation Support Scholarships. All students majoring in special education may apply for these scholarships, which are funded by federal grants to the Department of Special Education and Rehabilitation. Amount of awards varies. Contact head, Department of Special Education and Rehabilitation.

Leon G. and Faye Sonne Stucki Scholarship Endowment in Communicative Disorders and Deaf Education. Established by Leon G. and Faye Sonne Stucki, this scholarship is awarded to students having junior class standing, a declared major in Communicative Disorders and Deaf Education, and a grade point average of 3.0 or better.

Leon G. and Faye Sonne Stucki Scholarship Endowment in Special Education and Rehabilitation. Established by Leon G. and Faye Sonne Stucki, this scholarship is awarded to students having junior class standing, a declared major in Special Education and Rehabilitation, and a grade point average of 3.0 or better.

Student Travel Scholarship in Psychology. For psychology students whose papers are accepted by the American Psychological Association to use as partial or full travel expenses to the annual meetings. Contact head, Department of Psychology.

Undergraduate Special Education Major Scholarship. Upper-class Special Education majors are eligible for this one-time award.

Lucile Kunz Yerger Scholarship. Established by the family of Lucile Kunz Yerger. Awarded to a student studying speech-language pathology who has demonstrated outstanding clinical performance in professional preparation. Contact head, Department of Communicative Disorders and Deaf Education.

Adele C. Young Scholarship in Elementary Education. Established by Dale W. and Adele C. Young in honor of Mrs. Young. Recipients of this scholarship should demonstrate academic achievement, financial need, and personal integrity.

Graduate Scholarships

The following scholarships are available to graduate students *only*.

Walter R. Borg Scholarship. Recipients, to be chosen by a scholarship selection committee of the Psychology Department, should demonstrate academic achievement, financial need, and personal integrity. Applicants must be students in the USU Psychology Department who have already completed at least one year of graduate study. For application, contact head of Department of Psychology.

Condie Memorial Scholarship in Instructional Technology. Awarded to a continuing graduate student who, at the time of the award, exhibits the following selection criteria: has financial need; has leadership qualities; is collegial with fellow classmates; takes an active role in University, state, or national professional associations; and demonstrates scholastic ability and generosity. For application, contact head of Department of Instructional Technology.

William Mack Stoddard Memorial Scholarship in Instructional Technology.

Awarded to a continuing graduate student who, at the time of the award, exhibits the following selection criteria: has financial need; has leadership qualities; is collegial with fellow classmates; takes an active role in University, state, or national professional associations; and demonstrates scholastic ability and generosity. For application, contact head of Department of Instructional Technology.

Undergraduate and Graduate Scholarships

The following scholarships are available to *both* undergraduate and graduate students. Applications are available at the College of Education Dean's Office, Education 109. Application deadline for all scholarships is February 1 of each year.

Edith Bowen Scholarship. Awarded each year in memory of Miss Edith Bowen from an endowment established by her niece, Stella Young Griffiths. The awards are for junior, senior, and/or graduate students majoring in elementary education.

T. Clair and Enid Johnson Brown Scholarship Endowment Fund. Awarded to full-time undergraduate and graduate students demonstrating academic potential and financial need. Recipients must have been accepted into one of the seven academic departments in the College of Education. Undergraduate recipients must have junior or senior standing and must have attained a minimum cumulative GPA of 3.0. Graduate recipients must have attained a minimum cumulative GPA of 3.5. Contact Dean's Office, College of Education.

The Joanne Lillywhite Christensen Endowment in Communicative Disorders. Mrs. Ray L. Lillywhite established this endowment in memory of her daughter, Joanne Lillywhite Christensen. Recipients of these awards, known as Lillywhite Scholars, are identified annually by the faculty of the Communicative Disorders and Deaf Education Department and represent academic distinction in either undergraduate or graduate education.

College of Education Scholarship. Awarded to undergraduate and graduate full-time students who demonstrate financial need and have been accepted into one of the seven academic departments in the College of Education. Undergraduate recipients must have junior or senior standing. All applicants for this scholarship must submit a letter of recommendation, demonstrating their academic potential and financial need, written by a member of the department in which they are enrolled.

Donald F. Kline Scholarship Endowment Fund. Established by family and friends in memory of Donald F. Kline. This scholarship is for an upper-division or graduate student in the Department of Special Education and Rehabilitation who demonstrates superior academic achievement and has financial need.

Dean LeGrande Miller Scholarship in Communicative Disorders. Awards are made annually to senior or graduate students majoring in communicative disorders, who have demonstrated academic excellence despite personal hardships or handicaps. Selection of recipients is made by the departmental faculty, upon recommendation of departmental faculty committees.

Marie Shoup Scholarship. Upper-division and graduate students are eligible for this \$500 scholarship. Awards are made on a three-year rotation to senior or graduate students having majors in the departments of Elementary Education, Family and Human Development, and Human Environments. Information and applications may be obtained from these three departments.

Thomas Alva Taylor Scholarship. Established by Edna Cardon Taylor in memory of her husband, Thomas Alva Taylor. Recipients of this scholarship, known as Taylor Scholars, shall be outstanding male senior or graduate students majoring in Elementary Education.

Dale and Adele Young Scholarship. Established by Dale and Adele Young, this scholarship is awarded to full-time undergraduate and graduate students who have been accepted into one of the seven academic departments in the College of Education. Recipients should demonstrate academic achievement, financial need, and personal integrity. Contact Dean's Office, College of Education.

College of Engineering**Undergraduate Scholarships**

The following scholarships are available to undergraduate students *only*. Most of these scholarships are reserved for juniors and seniors in the College of Engineering. Freshmen will only be considered if they take the Engineering Scholarship Exam, which is offered annually in conjunction with the University Scholars Competition. Applications for the following scholarships are available at the College of Engineering Advising/Student Services Office, Engineering Laboratory 241.

Richard W. and Moonyeen R. Anderson Scholarships in Engineering. Awarded annually and renewable for up to four years. Scholars must be citizens of the United

States and graduates of Box Elder County or Cache County High Schools within the State of Utah.

Baker/Hughes Engineering Scholarship. A tuition scholarship to be awarded annually to an instate student enrolled in the Mechanical and Aerospace Engineering Department.

Jay R. Bingham Scholarships. Awarded to students majoring in Civil Engineering. Amounts vary each year.

Bourns Scholarship. Awarded annually to two juniors or seniors in Electrical and Computer or Mechanical and Aerospace Engineering. Recipients must be U.S. citizens and residents of Utah. Amounts vary.

James E. Brown Scholarship in Space Sciences, Space Engineering, and Aerospace Corporation Administration. Awarded to undergraduate students in some aspect of space sciences, space engineering, and aerospace corporation administration. The colleges of Business, Engineering, and Science take turns awarding this scholarship each year.

Roy Bullen Memorial Fund for Engineering Students. Approximately \$1,000 to be available annually to aid undergraduate engineering students. Established by the late Mrs. Bullen in honor of her husband after whom the fund is named.

Michael B. Bylund Scholarship in Electrical Engineering. Awarded to undergraduate electrical engineering students in their junior or senior year.

CEE Faculty Scholarships. Department of Civil and Environmental Engineering. Available to students entering their junior or senior year. Amounts vary from year to year.

Jerry Christiansen Memorial Engineering Scholarship. Established by Prof. and Mrs. Jerald E. Christiansen in memory of his father, this fund is for students enrolled in the College of Engineering.

Dr. and Mrs. Clayton Clark Engineering Scholarship. Annual grant to support needy students in electrical engineering. Amount varies.

Blaine P. and Louise Christiansen Clyde Engineering Scholarship Fund. The Clydes, alumni of USU, have established these scholarships for students majoring in engineering who have financial need.

Calvin G. and Brigitta S. Clyde Scholarship. Awarded annually to a student of native American ancestry and citizens of the United States. Preference will be given to students studying civil or environmental engineering. Other majors in the College of Engineering may qualify.

W.W. Clyde and Company Engineering Scholarship Fund. Scholarships for undergraduate students majoring in engineering.

Larry S. Cole Electrical Engineering Scholarship. To be used for students in the electrical engineering professional program.

The Philip S. Coolidge Memorial Scholarship. An endowment from the Department of Biological and Irrigation Engineering that gives a two-year upper-division scholarship to students in the field. GPA must be at least 3.25. Contact department head for details. Established in memory of USU student Philip S. Coolidge.

Don M. Corbett Scholarships. Awarded to entering freshman women students in engineering by Mr. and Mrs. Corbett to encourage women in this field. About 25 scholarships are awarded annually.

Charles Thinkell and Pearl Parkinson Darley Scholarship. Awarded to continuing students or transfer students in civil engineering. Amounts vary.

Lehi Davis Scholarship. For undergraduates enrolled in the Department of Civil and Environmental Engineering whose studies emphasize building structures.

Bertis L. and Anna E. Embry Scholarship. To be used for students in biological and irrigation engineering and electrical and computer engineering.

Sarah Ann Farley Memorial Scholarship. For women in engineering who have completed their freshman engineering coursework.

Mark K. Fjeldsted Scholarship in Civil and Environmental Engineering. A \$1,000 scholarship given annually. Recipients must be U.S. citizens.

Forsgren Associates Scholarship in Civil and Environmental Engineering. Awarded annually to an outstanding student enrolled or to be enrolled at USU.

J. Wayne and Roberta H. Fronk Scholarship. For students in mechanical and aerospace engineering in their junior or senior year with demonstrated financial need.

Charles Irving Frost Scholarship. Awarded to a civil engineering major with demonstrated financial need.

Dee and Linda Hansen Scholarship in Civil and Environmental Engineering. For juniors and seniors with a major in the Department of Civil and Environmental Engineering.

Richard W. and Ruth W. Harris Scholarship. Awarded to U.S. citizens having a major within the Department of Electrical and Computer Engineering. Students should demonstrate financial need.

Clyde Herman Hoth Scholarship. Awarded to upper classmen having a major within the Department of Industrial Technology and Education. Students should demonstrate financial need.

Industrial Technology Scholarships. Several \$500 scholarships given annually to students in industrial technology.

Kennecott Corporation Scholarships. Awarded to students in civil engineering, environmental engineering, or industrial hygiene.

George A. and Ivalou Keller Lawrence Scholarships in Civil and Environmental Engineering. Awarded annually on the basis of academic performance and financial need.

Professor Harold R. Kepner Memorial Scholarship in Engineering. One or more scholarships given annually to students demonstrating academic achievement and financial need.

William H. Kibbie Aviation Scholarship. Awarded to students in the flight technology program with demonstrated need and significant progress in the program.

Austin and Geniel Loveless Scholarship in Industrial Teacher Education. Awarded during the semester in which the recipient does student teaching.

Mechanical Engineering Alumni and Faculty Scholarship. Student must have a high GPA and be pursuing a degree in mechanical engineering.

Charles N. Merkle Memorial Scholarship in the Department of Industrial Technology and Education. One or more scholarships given annually to U.S. citizens demonstrating academic achievement and financial need.

Micron Technology, Inc. Scholarships. Awarded to juniors in electrical or computer engineering with a minimum GPA of 3.8. Renewable for the senior year.

E. Joe Middlebrooks Scholarship. An annual scholarship for a woman or minority engineering student.

William E. Mortimer Scholarships in Industrial Technology and Education. Awarded to Utah resident students who will be teaching in the fields of industrial and technical education.

Henry J. and Rebecca Henderson Nelson Memorial Scholarship in Engineering. Established by Prof. and Mrs. Jerald E. Christiansen in memory of her parents, this endowment is for students enrolled in the College of Engineering.

Nielsen, Maxwell, Wangsgard Scholarship. Awarded annually to a student in the Civil and Environmental Engineering Department. Student must be interested in consulting engineering.

Parker Hannifin Scholarship. One scholarship given annually to a junior or senior engineering student.

Jack B. and Bonnie F. Parson Scholarships in Engineering. Grants awarded to students of at least sophomore status, who show superior scholarship ability, a commitment to high social and moral values, and financial need.

Dean F. and Bessie C. Peterson Scholarship in Engineering. Available to students in the Department of Civil and Environmental Engineering.

Harold and Else Peterson Scholarships. Awarded annually on the basis of academic performance and financial need.

Questar Corporation Scholarship. Awarded to an engineering student with financial need.

Ace and Arville Raymond Scholarship in Engineering. Awarded annually to an outstanding and worthy undergraduate in the College of Engineering.

Carlyle and Elliot Rich Scholarship. Awarded to students majoring in the Department of Civil and Environmental Engineering on the basis of academic achievement, superior potential, and personal integrity.

Lowell R. and Afton T. Rich Scholarship in Civil and Environmental Engineering. Awarded to undergraduate students. Amount varies.

David Rider Scholarship in Civil and Environmental Engineering. Awarded annually to juniors and seniors on the basis of financial need.

Harold W. and Helen Ritchey Engineering Scholarship. A \$6,000 scholarship granted to an incoming freshman student for four years of study.

Peggy R. Roskelley Memorial Scholarship for Women. For a female engineering student with financial need. Awarded to juniors and seniors.

Carl and Nadeane Spear Scholarship. Awarded to a junior or senior student majoring in either Mechanical or Manufacturing Engineering.

Sidney R. Stock Scholarship in Electrical Engineering. Given in memory of the founder of the department, this scholarship is for students majoring in electrical engineering.

Ivan M. and Ruth C. Teuscher Memorial Scholarship. Tuition scholarships for students in the College of Engineering.

Edwin P. Van Leuven Scholarship. Awarded to students who will be teaching in the fields of industrial and technical education. Given by Mr. and Mrs. Van Leuven, leaders in this subject.

Carl R. Wallis Memorial Scholarships in Industrial Technology and Education. Annual cash awards made to students with majors in the Department of Industrial Technology and Education.

Lyman S. and Vivian B. Willardson Irrigation and Drainage Engineering Scholarship. Awarded to an undergraduate student with an interest in a career in irrigation and drainage engineering. Scholarship will be awarded on the basis of need, not academics.

Woodward-Clyde Engineering Scholarship. For undergraduate students in the Civil and Environmental Engineering Department.

Graduate Scholarship

The following scholarship is available to graduate students *only*. Application is available at the Department of Civil and Environmental Engineering Office, Engineering Laboratory 211.

William A. Cordon Scholarship. Department of Civil and Environmental Engineering. A scholarship for a graduate student to research concrete materials.

Undergraduate and Graduate Scholarships

The following scholarships are available to *both* undergraduate and graduate students. Application is available at the College of Engineering Advising/Student Services Office, Engineering Laboratory 241.

A. Alvin and Anna Beth Reeder Bishop Biological and Irrigation Engineering Scholarship. Awarded to junior, senior, and graduate students in Biological and Irrigation Engineering.

Frank Kelsey Memorial Aviation Scholarship in the Department of Industrial Technology and Education. Awarded to an undergraduate or graduate student enrolled in the Flight Training Program.

David R. Miller Memorial Scholarship in Civil and Environmental Engineering. One or more full tuition and fees scholarships given annually to undergraduate or graduate students. Preference will be given to those with financial need.

Larry E. Roberts Scholarship in Electrical Engineering. One or more scholarships representing full tuition and fees for one year for undergraduate or graduate students.

David G. Sant Engineering Scholarships. Scholarships for undergraduate and graduate students enrolled in the College of Engineering. Past recipients are encouraged to help the fund grow.

College of Family Life

Undergraduate Scholarships

The following scholarships are available to undergraduate students *only*. Applications are available at the College of Family Life Dean's Office, Family Life 205.

Thelma Faylor Allison (Class of 1927) Endowment. Awarded to outstanding junior or senior women majoring in the College of Family Life.

Margaret F. Anderson (Class of 1952) Endowment. Established by DeLonne Anderson and Margaret F. Anderson. Recipients should demonstrate financial need and personal integrity. Scholarship recipients may receive this scholarship for more than one year.

Edna Hatch Baker (Class of 1925) Endowment. Presented to students majoring in either Family and Human Development or Family and Consumer Sciences Education who demonstrate academic achievement, financial need, and personal integrity.

Flora Howard Bardwell (Class of 1964) Endowment. Established by friends and family of Flora H. Bardwell. Recipients should demonstrate academic achievement, financial need, and personal integrity.

Anna Beth Reeder Bishop (Class of 1938) and A. Alvin Bishop Endowment. Awarded to a junior or senior student with a record of excellence in scholarship, with preference to be given to a U.S. citizen and a member of Phi Upsilon Omicron.

Karen Dunn Black (Class of 1958) Endowment. Presented to junior or senior students, dedicated to obtaining a degree, who demonstrate financial need and have a GPA of at least 3.0.

Joan F. Budge Endowment. Established in memory of Joan Budge by her husband, children, and friends. Awarded to an undergraduate student in any discipline.

Annie (Nan) Nibley Bullen Endowment. A scholarship presented to a student majoring in Family and Consumer Sciences Education who demonstrates financial need and personal integrity.

Ellen Kathleen Powell Burton (Class of 1925) Endowment. Awarded in memory of Mrs. Burton by her daughter, Janice, to an undergraduate with a record of scholarship and achievement. Preference given to a student majoring in Family and Consumer Sciences Education.

Marie Eccles Caine Foundation. Offered annually for an Interior Design student.

Dr. Barbara G. Christensen (Class of 1968) Endowment. Established in memory of Barbara G. Christensen by Una E. Christensen for students demonstrating financial need and personal integrity.

Jean Chandler Christensen (Class of 1946) Endowment. Established by W. Boyd and Jean Chandler Christensen for a junior or senior student who has a GPA of at least 3.0 and demonstrates financial need.

College of Family Life Endowment. Scholarships provided by contributions given by alumnae, alumni, and friends of the College of Family Life to worthy students who show outstanding promise.

Susie Sanford Cook (Class of 1927) Endowment. A scholarship presented to junior or senior women who show academic achievement and financial need.

Ruth Swenson Eyre (Class of 1951) Early Childhood Education Scholarship. Presented each year to an undergraduate student majoring in Early Childhood Education and with special interest in Alternative Preschool and Day-care Curricula which emphasize and enhance the emotional and social growth of children. The scholarship was established by Mrs. Eyre's sons.

Josiah A. Faylor Endowment. Established in memory of Josiah A. Faylor by his daughter, Thelma Faylor Allison (Class of 1927), for an outstanding junior or senior student majoring in Apparel Merchandising.

Mary Jane Faylor Endowment. Junior or senior women students in the College of Family Life are eligible to apply for this scholarship established by Thelma Faylor Allison (class of 1927) in memory of her mother.

Orpha Faylor Endowment. A scholarship awarded by Thelma Faylor Allison, in memory of her sister, to outstanding junior or senior women majoring in Interior Design.

Coy Fife (Class of 1929) Endowment. Coy Fife established this scholarship endowment to assist needy and deserving direct descendants of her brother and two sisters in their educational endeavors in any discipline at USU. Applicants must demonstrate financial need, personal integrity, and scholastic potential, as attested to by three letters of recommendation from reputable sources. If no Fife family members apply, the scholarship will be made available to eligible students in the College of Family Life.

William H. and Stella Young Griffiths (Class of 1919) Endowment. Established by William and Stella Griffiths for outstanding undergraduate students with financial need.

Edith Nyman Gunnell (Class of 1943 and 1958) Endowment. Established by Edith Nyman Gunnell for a junior or senior student majoring in Family and Consumer Sciences Education and having a GPA of 3.2 or higher. Recipients should demonstrate financial need.

Barbara Fitzgerald Hulme (Class of 1944) and David K. Hulme Endowment. Presented to students majoring in Apparel Merchandising who demonstrate achievement and financial need.

LaVerna Faylor Hulme Endowment. Established in memory of LaVerna Faylor Hulme by her sister, Thelma Faylor Allison (Class of 1927), for an outstanding junior or senior woman.

Maurine Robson Humphris (Class of 1947) Endowment. A scholarship awarded to a junior or senior student with a record of excellence in scholarship who is majoring in Family and Consumer Sciences Education.

Katie Karikka (Class of 1938) Endowment. For high school seniors who will enter the College of Family Life majoring in Family and Consumer Sciences Education at USU.

Janet Marchant Luke (Class of 1956) Endowment. Available to students who are majoring in Family and Consumer Sciences Education or in the departments of Family and Human Development or Nutrition and Food Sciences. The students must demonstrate academic achievement, personal integrity, and financial need, with first preference given to direct descendants of Albert Harper Marchant or John Henry Luke. Upper-class students in need of financial assistance shall receive preference.

Eliza B. Mackay Endowment in Family and Consumer Sciences Education. Established by Reed B. Mackay in memory of his mother, Eliza B. Mackay. The student recipient should demonstrate academic achievement, financial need, and personal integrity.

Arola B. McDonald (Class of 1937) Dietetics Endowment. A scholarship presented to an undergraduate dietetics student. Provided by Mr. and Mrs. Leonard W. McDonald.

Johanna Moen Memorial Endowment. A scholarship in memory of Johanna Moen given to worthy students in the College of Family Life who show outstanding aptitude in the field.

Nora Sonne Perry (Class of 1910) and Mignon Perry (Class of 1941 and 1947) Endowment. Established by Theodore Sonne Perry, in honor of his mother and sister, for students demonstrating financial need in pursuing a degree in the College of Family Life. Recipients must have a GPA of at least 3.5 and must exemplify the teachings of L. Tom Perry in his book, *Living with Enthusiasm*.

Gwen Weston Peterson Endowment. Established for a junior student majoring in Interior Design in memory of Gwen Peterson by her husband Odell F. Peterson, and her family.

Ritewood Inc. Endowment. Provides scholarships to a nutrition student and a food science student in the Department of Nutrition and Food Sciences.

Seely-Hinckley Endowment. A scholarship for a student of superior attainment and demonstrated need who has a clearly defined academic program leading toward post-graduate work in food sciences and nutrition.

Marie Stowell Shoup Memorial Endowment. A scholarship established in memory of Mrs. Shoup by her husband and daughters for an upper-division woman student in Human Environments, based on scholarship and need.

Helen Lower Simmons (Class of 1952) Endowment. For students showing financial need, personal integrity, and academic achievement.

Nedra Wright Stevens (Class of 1958) Memorial and Major General Lynn H. Stevens Endowment. For a junior or senior student majoring in the Department of Human Environments.

Helen Thackeray Stevenson Endowment. Awarded to students demonstrating academic achievement, financial need, and personal integrity.

Ila Smith Taggart (Class of 1936) Endowment. Student recipients should demonstrate academic achievement and financial need.

Frances G. Taylor (Class of 1941) Phi Upsilon Omicron Endowment. Awarded to a U.S. citizen who is an active member of Kappa Chapter, Phi Upsilon Omicron.

Dr. Harris O. and Eleanor Y. Van Orden Endowment. A scholarship for an undergraduate nutrition and food sciences major with high academic record.

Angelyn W. and Bryce N. Wadley Endowment. Provided by the family and friends of Angelyn and Bryce Wadley for a junior or senior student.

Nancy Burton Wagstaff (Class of 1958) Endowment. Established in honor of Nancy Burton Wagstaff by her husband and friends. For students having financial need and showing academic achievement, with preference given to students majoring in Family and Consumer Sciences Education.

Helen Maughan Walker Endowment. Awarded to junior or senior students demonstrating academic achievement and showing financial need.

Dorothy B. Wanlass Endowment. Interest is used to support the mission and goals of the College of Family Life.

Reva Lewis White (Class of 1922) Endowment. Established in memory of Reva White by her children, Katherine W. Dumke and the late W. Robert White, for an outstanding student.

Dr. Dale W. and Adele Christensen Young (Class of 1942) Endowment. Established for students who show academic achievement, personal integrity, and superior potential.

Graduate Scholarships

The following scholarships are available to graduate students *only*.

Dr. Don C. Carter Graduate Fellowship. A memorial for former USU College of Family Life Professor Carter. This award is for graduate students majoring in Family and Human Development. Contact FHD Department for details.

Dr. Niranjan R. Gandhi (Class of 1970) and Josephine N. Gandhi Endowment. Awarded to outstanding Food Science graduate students majoring in the Department of Nutrition and Food Sciences.

Dr. Arthur W. Mahoney Endowment in Nutrition and Food Sciences. A memorial scholarship established by Sylvia M. Mahoney, family, and friends. Recipients must be graduate students with a major in the Department of Nutrition and Food Sciences who demonstrate academic achievement and financial need.

Dr. Phyllis R. Snow Graduate Endowment. Established in honor of Phyllis R. Snow, former dean of the College of Family Life. This scholarship is given to a graduate student of high academic standing and potential.

Leah D. Widtsoe Graduate Endowment. Presented to a graduate student in the College of Family Life. The fund was established by Dr. Virginia Cutler in memory of Mrs. Widtsoe.

Undergraduate and Graduate Scholarships

The following scholarships are available to *both* undergraduate and graduate students. Applications are available at the College of Family Life Dean's Office, Family Life 205.

Clara L. Budge (Class of 1930) Endowment. A scholarship established in memory of Mrs. Budge by her husband and son. This scholarship is for undergraduate or graduate students who show personal integrity, superior potential, and academic achievement.

Grace Williams Funk and Dr. Kaye Funk (Class of 1946) Endowment. A scholarship to a Utah resident senior or graduate student in the field of clothing and textiles or food service management.

Dr. Ethelyn O. Greaves Memorial Endowment. An endowment established in memory of Ethelyn Greaves, former dean of the College of Family Life, by Marguerite Greaves, M.D., for a promising sophomore, junior, senior, or graduate student with financial need.

Anna Lou Rees Hansen (Class of 1942) Endowment. Established by Dr. R. Gaurth Hansen and Anna Lou Rees Hansen for outstanding junior, senior, or graduate students having a keen interest in clothing and textiles and demonstrating financial need.

Theta Johnson (Class of 1938) Endowment. The recipient is to be an outstanding senior or graduate student whose area of study is either clothing and textiles or Family and Consumer Sciences Education, with preference for an individual with 4-H experience.

Maurine Flint Keller (Class of 1932) Memorial Endowment. A scholarship established in memory of his wife by Paul D. Keller for an outstanding undergraduate or graduate student in Human Environments.

Charles N. and Dr. Margaret B. Merkle (Class of 1952) Endowment. Student recipients should demonstrate academic achievement, financial need, and personal integrity. Students must be committed to a career in one of the fields encompassed by the course of study in the College of Family Life. Recipients must be upper-class or graduate students. The endowment is not renewable.

Dr. Eldrow (Dutch) and Marjorie Seely Reeve (Class of 1940) Endowment. A scholarship for graduate and undergraduate students who show academic achievement, personal integrity, and superior potential.

Gregory Carl Trevers (Class of 1972) Memorial Endowment. A scholarship for undergraduate and graduate students in Family and Human Development established by Cherie and Mercer Trevers and Loretta Trevers.

Kathryn C. Wanlass Scholarship. Awarded to a graduate Interior Design student, and to a junior or senior in Family and Human Development or Interior Design.

Dr. Ethelwyn B. Wilcox Endowment. Awarded to worthy students majoring in human nutrition at the graduate or undergraduate level.

College of Humanities, Arts and Social Sciences Undergraduate Scholarships

The following scholarships are available to undergraduate students *only*. Applications are available at the College of HASS Dean's Office, Main 338.

African-American Leadership Scholarship. Awarded to a graduating high school senior who is an African-American, a Utah resident, and a U.S. citizen. Recipient must have demonstrated leadership, both in high school and the community, and must have shown special talent and the potential for continued leadership. For further information, contact the Mountain West Center for Regional Studies.

Ahmanson Art Education Scholarship. Awarded annually to outstanding Art Education majors in their junior or senior year. Contact Department of Art for details.

Wendell B. Anderson Scholarship. In honor of Dr. Anderson, political science professor, this scholarship is given to an outstanding political science major who is also an athlete. Awarded on the basis of GPA and a commitment to succeed in political science. For details, contact Department of Political Science.

Leola Faylor Bate Scholarship. Recipients shall be outstanding junior or senior art students, selected by the head of the Department of Art. For more information, contact Department of Art.

Kirk Beecher Memorial Scholarship. Recipients shall be music majors having an emphasis in piano. For further information, contact the Department of Music.

Asa and Vivian Bullen Prelaw Scholarship. Donated in memory of his parents by Richard H. Bullen, this endowment provides resident tuition scholarships for two outstanding prelaw students, senior year only. For details, contact Political Science Department.

Helen Bullen Music Scholarship. Awarded to a deserving music student on the basis of financial need. For details, contact Music Department.

Cynthia Farr Bylund Scholarship. This endowment, established by Cynthia Farr Bylund, a 1978 Political Science graduate, honors a junior or senior in Political Science who demonstrates superior potential in the field, personal integrity, and high social and ethical responsibility. GPA is not the main criteria for selection. For details, contact Department of Political Science.

W. Vosco Call Scholarship. Awarded to an upper-division theatre arts student whose emphasis is acting or directing. For more information, contact Theatre Arts Department.

O. Guy Cardon and M.N. Neuberger Scholarship in Social Science. The Bluebird Candy Company at Logan offers a scholarship in the social sciences, in honor of the late O. Guy Cardon and of the late M. N. Neuberger. Students are nominated by the College of HASS dean's office. (Applications not accepted.)

Louise Christiansen Clyde English Scholarship Fund. This endowment, established in honor of Mrs. Clyde, a 1941 USU graduate in English, is for undergraduate students majoring in English. Contact English Department for details.

Frank Blair and Minnie Fisher Ellsworth Music Scholarship. Awarded to a music student on the basis of academic achievement, financial need, and personal integrity. For details, contact Music Department.

Department of English Book Scholarship. Awards for undergraduate students majoring in English. Selection based upon academic accomplishments and financial need. For details, contact English Department.

J.C. Fannesbeck Scholarship in English. Students majoring in English with financial need and high academic standing may apply for this scholarship, established in memory of her father by Alice Fannesbeck Gardner. Contact Department of English for details.

Robert S. Frost Scholarship. Candidates may be sophomore, junior, or senior students, having a 3.0 or better GPA, having potential for success in string music education, and demonstrating financial need. For details, contact Music Department.

Donna B. Gossner Scholarship in Music. Recipients should be sophomore, junior, or senior students majoring in piano with a pedagogy emphasis. A minimum GPA of 3.3 and demonstration of financial need are required. For details, contact Music Department.

LuAnn M. Hamilton Memorial Scholarship. Established by family and friends in memory of Miss Hamilton, a baccalaureate graduate of the USU Social Work Program. Earnings from the fund are awarded to a junior or first semester senior social work student, on the basis of scholarship, initiative, character, and professional promise. Contact Social Work faculty for details.

Hays Family Scholarship. Candidates should be juniors majoring in journalism, who have a 3.0 or better GPA, are leaders in student activities, and demonstrate financial need. For information, contact Journalism and Communication Department.

Weston G. Henrie Scholarship. Recipients shall be Logan High seniors beginning college study who demonstrate high academic achievement, superior capabilities, promise in social studies, personal integrity, a high sense of moral and social responsibility, and financial need. For details, contact History Department.

Peter O. Holmgren Humanities Scholarship. Awarded to a sophomore, junior, or senior student in the humanities division of the College of HASS. For application and more details, contact English Department.

Virginia Summerhays and Allen Quentin Howard Scholarship. Recipients shall be in the top 10 percent of music students and shall submit a written application, three letters of recommendation, and a 500 word essay. For more details, contact Music Department.

Lieutenant Peter "Joe" Lacey Scholarship. Student recipients of this scholarship must be juniors who are married, demonstrate financial need, and are contracted military cadets. Contact Aerospace Studies Department for details.

George A. and Ivalou Lawrence Scholarship. Recipients should demonstrate a high level of vocal or instrumental achievement, a 3.0 or higher GPA, integrity, and a high sense of social and moral responsibility. For details, contact Music Department.

Carolyn Tueller Lewis Memorial Vocal Scholarship. Awarded to outstanding voice students. For details, contact Music Department.

Evelyn Hodges and Theodore R. E. Lewis Social Work Scholarship. In honor of Evelyn Lewis, USU's first faculty member in Social Work, and her husband Theodore, this scholarship is awarded to undergraduate social work majors, maintaining a 3.0 GPA and showing promise for success in social work. For details, contact Department of Sociology, Social Work and Anthropology.

William F. Lye Scholarship. Awarded to junior and senior male students from Utah who are majoring in history. Information available from Department of History.

Music Department Scholarships. The USU Music Department gives scholarships to incoming students and those currently enrolled in the areas of orchestra, band, vocal, piano, and organ. Contact Music Department for details.

George B. Pahtz Memorial Scholarships. Symphony orchestra scholarships. Contact Department of Music for details.

Lane M. Palmer Scholarship. Recipients should be junior or senior students who demonstrate financial need and have a GPA of at least 3.0. Contact the Department of Journalism and Communication for details.

Peak River Company Scholarship. Awarded to a candidate majoring in any area of vocal music who demonstrates professional promise and financial need. For more information, contact Department of Music.

N. A. Pedersen Scholarship in English. Undergraduate students majoring in English, who have high academic standing and financial need, may apply for this scholarship given in the memory of Dr. N. A. Pedersen, former department chairman and dean at USU. Contact Department of English for details.

Presser Scholarship. A full tuition scholarship for one year to be awarded to an outstanding music major currently in his/her junior year. Contact Music Department for details.

Ruth Lyngby Garff Rigby Music Endowment. Established by Sandra Lee Rigby in honor of her mother, this scholarship is for piano performance majors in the Music Department. Creativity is of higher concern than GPA. Contact the Music Department for details.

Social Work Scholarships. Earnings from an endowment fund established in 1937 provide an annual scholarship award for a student majoring in social work. Junior and senior women in social work are eligible for consideration. The amount of the grant varies from \$100 to \$200 per student. Contact Department of Sociology, Social Work and Anthropology for details.

Conway B. and Elaine W. Sonne Scholarship. Recipients shall be graduating high school seniors with leadership experience and potential. Candidates chosen by Mountain West Center for Regional Studies and Recruitment/Enrollment Services. For details, contact Mountain West Center.

Don C. Sparks Scholarship. Candidates must be junior or senior students majoring in sociology who demonstrate financial need and have a GPA of at least 3.0. For details, contact Department of Sociology, Social Work and Anthropology.

Thain Scholarship. Awarded to high school seniors enrolling at USU who have at least a 3.5 GPA. Recipient must matriculate in a philosophy or language course. For details, contact Department of Languages and Philosophy.

Gwendella Thornley Memorial Scholarship. Awarded to students who are in their junior year and who are majoring in Theatre Arts, with an emphasis in oral interpretation. Contact Department of Theatre Arts for details.

Josey Barnes Wayman Scholarship in Broadcast Journalism. Established by a 1951 USU communication graduate who was a pioneer for women in broadcast journalism, the Wayman Scholarship offers stipends to junior and senior women in broadcast journalism who demonstrate academic achievement and financial need, and who intend careers in broadcasting. For details, contact Department of Journalism and Communication.

Josey Barnes Wayman Theatre Arts Scholarship. A scholarship endowed by USU alumna Josey Barnes Wayman to be awarded to outstanding senior female students majoring in theatre arts who demonstrate high academic standing and financial need. For details, contact Department of Theatre Arts.

John S. and Unita Welch Prelaw Scholarship. Provides resident tuition scholarships, senior year only, for outstanding students who have been accepted to an accredited law school. For details, contact Department of Political Science.

Esther V. Erickson Wrigley Scholarship. The Robert L. Wrigley family presents two scholarships annually in memory of Mrs. Wrigley. Scholarships are given to juniors or seniors majoring in English. Contact Department of English for details.

Graduate Scholarships

The following scholarships are available to graduate students *only*. Applications are available in each of the departments.

S. George Ellsworth Graduate Editorial Fellowship. Awarded to a graduate editorial student enrolled in the master's program in history. For details, contact Mountain West Center for Regional Studies.

Larry Elsner Scholarship. In honor of Professor Elsner, this scholarship is given to graduate students demonstrating potential in sculpture. For details, contact Art Department.

Earl A. and Carmen D. Fredrickson Graduate Research Assistantship. Preference given to entering graduate students with interest in gender research. Recommendations given to the department head of Sociology, Social Work and Anthropology from the Women and Gender Research Institute. Contact the Department of Sociology, Social Work and Anthropology to apply.

Joseph A. and Grace W. Geddes Research Scholarship. For PhD and/or Master's candidates majoring in sociology to use for research. Contact department head for details.

Noni Eccles Harrison Graduate Fellowship. A grant to a graduate student in ceramics selected by the head of the ceramics program to further study in ceramics from a generous endowment given by Mrs. Harrison. Contact Department of Art for details.

Calvin R. Maurer Fellowship. Recipients shall be students demonstrating professional promise, pursuing an advanced degree in sociology, and enrolled as full-time graduate students for the duration of their fellowship award period. Contact Sociology Graduate Program for details.

Edward O. Moe Fellowship. Recipients should demonstrate academic achievement and be majoring in sociology. Contact Sociology Graduate Program for details.

Jon Morgan Fellowship. Recipient shall be a graduate student majoring in art who demonstrates academic achievement and financial need. For details, contact Art Department.

Charles S. Peterson Editorial Fellowship. May be used as a graduate student summer research award. For details, contact History Department.

Moyle Q. Rice Scholarship. Given to graduate students majoring in English. Contact the department for more information.

R. Welling Roskelley International Development Scholarship. Graduate students majoring in sociology and interested in international development may apply. For details, contact Sociology Graduate Program.

Dan C. and Manon Caine Russell Annual Graduate Fellowships in Art, English, Music, and Theatre Arts. Initiated through the generosity of Dan and Manon Russell. Recipients shall be graduate students who demonstrate professional promise and who are enrolled full-time in one of the following departments: Art, English, Music, or Theatre Arts.

Undergraduate and Graduate Scholarships

The following scholarships are available to *both* undergraduate and graduate students. Applications for undergraduate scholarships are available at the College of HASS Dean's Office, Main 338. Applications for graduate students are available in the individual departments.

USU Anthropology Scholarship. Established by members of USU anthropology faculty. Recipients must be anthropology majors. Scholarship may not be given yearly. For details, contact Sociology, Social Work and Anthropology Department.

J. Duncan Brite Scholarship. In honor of Professor Emeritus Brite, this scholarship is available to outstanding history majors. Contact History Department for details.

George B. and Marie Eccles Caine Scholarship in Music, Art, and Theatre. These scholarships are given in each of the three departments named to students attending USU. Contact one of the departments above for details.

Jaime Cantarovici Memorial Scholarship. Recipients must be Spanish majors. For information, contact Languages and Philosophy Department.

Mabel Walker Carlson English Scholarship. Awarded to English majors in need of financial assistance. Contact English Department for details.

Taylor Carr Scholarship. A full-tuition, one-year scholarship to be awarded to an outstanding history student.

Carlton and Edna Culmsee Scholarship. Recipients of the Culmsee Scholarship should demonstrate academic achievement and financial need. For details, contact English Department.

David E. and Leona E. Daley Theatre Arts Scholarship. For undergraduate or graduate students majoring or minoring in Theatre Arts. Students with 3.4 or higher GPA need not apply. Contact Department of Theatre Arts for details.

Carl T. Degener Scholarship. Prof. Degener left a bequest for deserving students who are majoring in languages at Utah State University. Contact Department of Languages and Philosophy for details and application.

Janice Judge Dee Scholarship. For students majoring in literary studies in English. For details, contact English Department.

Ellen Stoddard Eccles Scholarship. This scholarship is open to junior, senior, or graduate ceramic majors. For details, contact Art Department.

S. George Ellsworth Scholarship. Available to both undergraduate and graduate students majoring in history. For more information, contact History Department.

Orpha Faylor Scholarship. Awarded to outstanding students majoring in Theatre Arts. Contact Theatre Arts Department for more information.

Nona D. Fuhrman and A. Wendell Fuhrman Scholarship. Recipients shall be students enrolled in the Art Department who have a GPA of 3.0 or better. Contact the Department of Art for information.

Jay W. Glasmann Family Scholarship. Endowed by the former owners of the *Ogden Standard Examiner*, the Glasmann Family Endowment funds scholarships for students with demonstrated high academic achievement, having leadership potential, and who intend to pursue journalism careers. Preference to candidates from Weber, Box Elder, Morgan, and Davis Counties. For application details, contact Department of Journalism and Communication.

Shirley Miller Hanson Scholarship. Candidates must be music majors with an emphasis in piano or vocal music who have a GPA of 3.5 or better and who have financial need. For details, contact the Department of Music.

Illustration Scholarship. Awarded to illustration majors in Art Department. For more details, contact Department of Art.

Jean Inness Scholarship. This scholarship is for an upper-division or graduate student attending USU who has maintained at least a 3.0 GPA during the preceding academic year. Although the primary interest is French, Spanish may be substituted if there is no acceptable candidate. Contact Department of Languages and Philosophy for application and details.

David L. Jensen LAEP Scholarship. This endowed scholarship is awarded yearly to either an undergraduate or graduate student in the Department of Landscape Architecture and Environmental Planning. Contact LAEP Department for details.

Garth N. and Verda Marie Clegg-Jones and Family Scholarship. Awarded to graduate or undergraduate students majoring in humanities or social sciences. For details, contact the Mountain West Center for Regional Studies.

Leonard and Dorothy Kearnl Scholarship. Candidates should have declared their major and be dedicated to completing their degree. Applicants must have a GPA of at least 3.0 to show a serious desire to obtain an education. For further information, contact the Theatre Arts Department.

Glacus G. and Marie B. Merrill Scholarship. For promising journalism and communication majors, with preference given to students from Cache Valley who are interested in broadcasting. For details, contact Journalism and Communication Department.

Floyd T. Morgan Endowment Fund. In honor of the former Theatre Arts Department head, this scholarship is awarded to an upper-division or graduate theatre arts major. Contact Department of Theatre Arts for details.

Morris Traveling Fellowship Fund. Prof. Morris, who established the LAEP Department at USU, and his family have endowed this fund for LAEP students' educational travel. Contact Department of LAEP for details.

John W. Morris Scholarship. Recipients should demonstrate academic achievement, financial need, and personal integrity. Contact the Department of Journalism and Communication for more information.

Preston Nibley History Scholarship. A full-tuition scholarship for one year to be awarded to an outstanding history student. Contact History Department for details.

Veneta Leatham Nielsen Scholarship. Recipients should demonstrate professional promise and have a GPA of at least 3.0. Priority shall be given to candidates majoring in English and minoring in the classics, with an emphasis on classical literature of the world. Contact English Department for further information.

Arthur and Diana Norris Scholarship. Awarded to a graduate student in ceramics, but also available for a junior or senior undergraduate in ceramics. For details, contact Department of Art.

Edward C. Pease Scholarship. Established by head of Journalism and Communication Department to support excellence in student enterprise in journalism and mass communications practice, this award is intended for a student with proven ambition and accomplishment in journalistic writing and practice, who will pursue journalistic projects during the scholarship year. For more information, contact Department of Journalism and Communication.

Wilford D. Porter Memorial Scholarship. For junior or senior print journalism majors. For details, contact Department of Journalism and Communication.

Lucile C. Reading Scholarship for Students of Children's Literature. A bequest from Mrs. Reading, who wrote and edited children's literature, for English majors at USU who plan to teach, study, or write for children. Contact English Department for details.

Ralph Jennings Smith Creative Writing Scholarship. An award consisting of one semester's tuition and fees is presented to an undergraduate or graduate student who is a serious creative writer. Recipient is selected based on a creative writing contest. Contact English Department for details.

W. Mont Timmins Essay on the Pioneering of Cache Valley. A cash prize is awarded by the Timmins family for the best essay on an aspect of pioneering in this valley, from earliest recorded times to present. Open to all undergraduates and graduates. Details from USU History Department.

College of Natural Resources Undergraduate Scholarships

The following scholarships and awards are available to undergraduate students *only*. Separate application must be made through the College of Natural Resources; check with the dean's office, Natural Resources 112, for application forms and deadlines.

College of Natural Resources Alumni Association Scholarship. Awarded on the basis of financial need to an undergraduate student in the College of Natural Resources. Special consideration given to nontraditional students.

Alsop Athenaeum Award. Awarded to a geography major with demonstrated financial need and a minimum GPA of 3.0.

Joseph Barry Bass Memorial Scholarship. Awarded to an outstanding freshman or sophomore majoring in rangeland resources. Preference given to students from outside Utah who have been active in the student chapter of the Society for Range Management, worked in range management or fire control for the federal government, participated in college rodeo, or served in the military.

Ray Becraft Scholarship. Awarded to a freshman on the basis of scholarship, need, leadership, and interest in natural resources.

Mark R. Boyer Scholarship. Recipient must be a junior or senior majoring in fisheries and wildlife. The student must demonstrate financial need, personal integrity, and a high sense of social and moral responsibility.

Box Opportunity Award. Awarded to a reentry student or student having substantial financial need. Student must show promise, but may not have an academic record qualifying him or her for traditional scholarships.

Thad and Jenny Box Scholarship. Awarded on the basis of scholarship and need. Preference given to students interested in land management.

Thad and Jenny Box Scholarship in Geography and Earth Resources. Awarded on the basis of academic achievement to a student majoring in geography who is entering his or her senior year. Preference given to students exhibiting the ability to apply geographical analysis to natural resources problems.

Class of '50 Scholarship. This endowment fund for undergraduates was created and is maintained by contributions from the College of Natural Resources graduating class of 1950. Recipient must enroll for at least 12 credits each semester, earn a 3.0 cumulative GPA, and demonstrate financial need.

T. W. Daniel Scholarship. Awarded to the outstanding junior student in the forestry major as determined by scholastic excellence and contribution to the Forestry Club.

Paul M. and Neva Dunn Scholarship. Recipient must be at the end of his/her junior year in the College of Natural Resources. Selection is based on scholarship and need.

Fisheries and Wildlife Emeritus Faculty Scholarship. Recipient must be a junior or senior registered in fisheries and wildlife. Selection is based on academic performance, ethical and moral standing, and financial need.

J. Whitney Floyd Memorial Scholarship. Recipient must be registered in the Forest Resources Department as a junior or senior. Selection is based on academic performance, as well as ethical and moral standing.

Geography Faculty Scholarships for Academic Excellence. Awarded to an outstanding sophomore, junior, and senior in the Geography and Earth Resources Department.

George E. Hart Scholarship. Recipient should be an undergraduate who demonstrates academic achievement, personal integrity, and a high sense of social responsibility.

William T. Helm Scholarship. Awarded to a junior or senior in the Department of Fisheries and Wildlife. Recipient should be in good academic standing, have demonstrated financial need, and have an interest in fisheries management.

Evelyn Irving Scholarship. Awarded to an upper-division student in the Department of Forest Resources. Selection is based on demonstrated interest in campus or community projects, financial need, and scholastic achievement.

Arthur F. Johnson Scholarship. Awarded annually to a qualifying junior for completion of his/her degree in fisheries and wildlife management. Candidates must have a career interest in the field of fisheries and wildlife and shall present a record of related accomplishments and potential in high school, college, or in field experience. Candidates with the greatest financial need will be given priority.

Samuel E. Jorgensen Scholarship. Awarded to an undergraduate student majoring in fisheries and wildlife.

George A. Judah Scholarship. Awarded to an undergraduate on the basis of GPA, Society for Range Management activities, demonstrated leadership, and potential to contribute to the range management profession.

George H. and Dorothy Kelker Scholarship. Awarded to a junior or senior natural resources student on the basis of professional promise, academic achievement, and commitment to ethical management of natural resources.

William G. Kohner Scholarship. Awarded to an undergraduate on the basis of financial need and academic achievement.

Timothy Leary Scholarship. Awarded to a junior or senior on the basis of scholarship, leadership, and demonstrated desire to help people. Preference given to students majoring in curricula designed to improve the environment.

Jessop B. Low Scholarship. Awarded to a junior or senior in Fisheries and Wildlife having a demonstrated interest in wildlife management, a record of leadership in extracurricular activities, genuine financial need, and a minimum 3.2 GPA.

John and Karen Malechek Scholarship. Awarded to an undergraduate rangeland resources major on the basis of academic achievement and financial need.

Jerry W. McGee Memorial Scholarship. Awarded to an upper-division forestry major on the basis of academic achievement, financial need, and personal integrity.

Raymond R. Moore Scholarship. Awarded to an upper-division forestry major on the basis of academic achievement, student activities, and financial need.

Robert D. and Lenore L. Nielson Scholarship. Awarded to an upper-division student with demonstrated financial need and having an interest in a public land management career.

Eddie Peterson Geography Education Scholarship. Awarded on the basis of financial need and academic achievement to a geography teaching major who has been accepted into the teacher education program.

Poe Brothers Scholarship. Awarded to a junior on the basis of communication skills and knowledge of current events.

S. J. and Jessie E. Quinney Scholarship. Student must be a high school or transfer student seeking either a first or second bachelor's degree. Awarded to students showing high academic performance, leadership, and evidence of promise. Student must be able to communicate effectively and show motivation in some aspect of natural resources. This is determined by a written essay, personal interview, and references.

Gregory R. Rost Scholarship. Awarded to an undergraduate on the basis of academic achievement, financial need, and personal integrity. Special consideration is given to out-of-state students.

Richard M. Schreyer Scholarship. Awarded to a recreation resource management major who demonstrates academic achievement, financial need, and personal integrity.

Seely-Hinckley Scholarship. Awarded to undergraduates on the basis of academic achievement and financial need. Established as a memorial for John H. Seely and Robert H. Hinckley.

William F. Sigler Scholarship. Awarded on the basis of financial need to a junior or senior in Fisheries and Wildlife. Recipient must be in the top 25 percent of his or her class.

Arthur D. Smith Memorial Scholarship. Awarded to a student in the Rangeland Resources Department on the basis of academic achievement and financial need. Preference is given to a freshman or sophomore who comes from a rural area within the Intermountain region and who is interested in the land management aspect of range science.

Society for Range Management—Laurence A. Stoddart Memorial Scholarship. Awarded by the Utah Section, Society for Range Management, to the outstanding rangeland resources sophomore or junior at Utah State University, Brigham Young University, or Southern Utah University. Selection is based on GPA, Society for Range Management activities, demonstrated leadership, and potential to contribute to the range management profession.

Laurence A. Stoddart Memorial Scholarship. Recipient must be a sophomore or junior student in the Rangeland Resources Department. Scholarship is awarded on the basis of GPA, Society for Range Management activities, demonstrated leadership, and potential to contribute to the range management profession.

Allen W. and Alice H. Stokes Scholarship. This undergraduate scholarship is based on need, with special consideration given to nontraditional or ethnic minority students.

Victor N. and Beatrice E. Stokes Scholarship. Awarded on the basis of financial need to an undergraduate forestry or rangeland resources major who has a demonstrated interest in land management of range and/or forest resources.

Philip J. Urness Scholarship. Awarded to an upper-division rangeland resources undergraduate with an interest in wildlife-livestock interactions or applied rangeland management. Recipient must demonstrate financial need and maintain a minimum 3.0 GPA.

Graduate Scholarship

The following scholarship is available to graduate students *only*. Application must be made through the College of Natural Resources; check with the dean's office, Natural Resources 108, for application form and deadline.

S. J. and Jessie E. Quinney PhD Fellowships. Awarded to exceptional students beginning a doctoral program in the College of Natural Resources. Recipients must have been accepted into a PhD program, and must be recommended by their major professor and department head.

Undergraduate and Graduate Scholarship

The following scholarship is available to *both* undergraduate and graduate students. Application must be made through the College of Natural Resources; check with the dean's office, Natural Resources 112, for application form and deadline.

Gary Smith Scholarship. Awarded to either an undergraduate or graduate student who is involved in desert or canyonland research and has the potential to become a "singer of songs and righter of wrongs."

College of Science

Undergraduate Scholarships

The following scholarships are available to undergraduate students *only*. Applications are available at the respective departmental office, unless otherwise noted.

Thomas L. Bahler Endowed Scholarship. Established in recognition of Thomas Bahler's long-time dedication and support to students in the Department of Biology, with special emphasis for students preparing for the health professions. This award is generally made to a prehealth student with a biology major.

Department of Biology Scholarship. Awarded annually to biology majors, this scholarship is contingent upon good performance during the academic career.

John M. Branch Endowed Scholarship. A scholarship in memory of John M. Branch (BS Geology 1981). Awarded every other year to an outstanding undergraduate geology major.

Theodore M. Burton Endowed Scholarship. Established by the LDS Church Foundation to honor Theodore M. Burton, who was a professor of chemistry at USU and a member of the First Quorum of the Seventy. Awarded annually to an outstanding sophomore, junior, or senior with a major in the College of Science. Apply at the College of Science Dean's Office, ESLC 245.

Christenson Memorial Scholarship Endowment. Established to assist deserving undergraduate students pursuing a degree in the Department of Biology. The award is based upon scholarship, character, and professional promise. Contributed by the family and friends of L. Dean Christenson, the fund is administered by the Department of Biology.

College of Science Endowed Scholarship. A four-year tuition plus cash award given to an incoming freshman. Selection is made on the basis of performance on a competitive examination, grade point average, and ACT scores.

Oscar Wood Cooley Endowed Scholarship. A scholarship awarded to an outstanding junior or senior majoring in the college. This scholarship is given to honor the memory of Oscar Wood Cooley. Apply at the College of Science Dean's Office, ESLC 245.

Joe and Carletta Elich Endowed Scholarship. Annual cash awards to outstanding students majoring in mathematics, mathematics education, or statistics.

Sharon Lee Gardner Ellis Memorial Scholarship Endowment. Annual cash award given in memory of Sharon Lee Gardner Ellis, who was an outstanding mathematics teacher in the public schools. Awarded to a student majoring in mathematics education who has the potential to challenge, inspire, and teach young mathematics students.

First Security Foundation Scholarship. Cash award made annually to an outstanding undergraduate computer science student.

Irving Condie Frost Endowed Scholarship. Established by chemistry alumnus Irving Frost (BS 1931), the fund provides support to sophomore, junior, or senior students majoring in chemistry.

Eldon J. Gardner Endowed Research Award. Awarded to an undergraduate biology student to assist in genetic research.

Get Away Special (GAS) Scholarship. High school seniors with an interest in space research are eligible to apply for a GAS scholarship. The scholarship is a full in-state tuition waiver and, provided the student's USU GPA remains at or above 3.5, is good for 8 academic semesters. Under certain conditions, the scholarship can be a full out-of-state tuition waiver. Through this scholarship program, the student is provided with the facilities and resources to build his or her own experiment for flight on the NASA Space Shuttle. Information can be obtained from the GAS Program Faculty Advisor, Physics Department, Utah State University, 4415 Old Main Hill, Logan UT 84322-4415.

Clyde T. Hardy Endowed Scholarship. A scholarship in honor of the late Clyde T. Hardy, professor emeritus and second Geology Department head. Awarded every other year to an outstanding undergraduate geology major in support of geology field camp.

Neville C. and Annie P. Hunsaker Endowed Scholarship Award. Awarded to high school seniors going to USU and majoring in mathematics or statistics, or to USU students enrolled in the Department of Mathematics and Statistics. Generally

four-year awards carrying cash payments for the first two years, with some additional support provided through special work opportunities during the last two years.

INEEL Scholarship. A three-year tuition and fees scholarship awarded annually to an outstanding freshman computer science student.

Garth L. Lee Endowed Undergraduate Scholarship Award. Four awards are given annually in honor of Garth L. Lee, former professor of chemistry at Utah State University, to a student in each year of study who demonstrates outstanding command of chemical science. The award consists of a \$300 account for purchase of books/supplies at the Utah State University Bookstore, \$100 in cash, and a one-semester in-state tuition waiver, and for the senior recipient a \$300 cash award.

Maeser-Bauer Endowed Undergraduate Scholarship. A \$300 cash award, given primarily for high scholastic achievement. Presented to an outstanding junior or senior chemistry major who has completed the physical chemistry series. Established in memory of Drs. Sherwin Maeser and Norman Bauer, former faculty members in the Department of Chemistry and Biochemistry.

Mathematics and Statistics Endowed Scholarship. Supported by donations, these annual cash awards are given to outstanding students majoring in mathematics or statistics.

Lawrence R. and Abelina Megill Scholarships. Scholarships established by Lawrence R. and Abelina Megill for students in physics or electrical and computer engineering. At least 50 percent of the recipients each year shall be female and/or members of an ethnic minority.

O. Harry Otteson Endowed Scholarship. Annual award given in memory of Professor Harry Otteson to the physics major achieving the highest score in general physics.

Physics Undergraduate Scholarships. Awarded annually to undergraduate physics majors based on scholarly achievement, character, and professional promise.

Wendell L. Pope Endowed Scholarship. Cash award given annually to an outstanding undergraduate computer science student.

Questar Scholarship in the College of Science. Provides assistance to an outstanding science student majoring in computer science, geology, or other physical sciences. The scholarship is made available by an annual gift from Questar Gas Co. and the Questar Educational Foundation. Apply at the College of Science Dean's Office, ESLC 245.

David Rider Memorial Scholarship Endowment. Given in memory of David Rider (BS Geology 1954). Awarded every year to an outstanding junior or senior geology major. Selection based on academic achievement and financial need.

Thomas A. Riemondy Endowed Scholarship. A scholarship in memory of Thomas A. Riemondy, a deceased USU undergraduate geology major. Awarded to an outstanding undergraduate geology major who is not a resident of Utah.

Seely-Hinckley Scholarship. Two scholarships established as a memorial for John H. Seely and Robert Hinckley. Awards are based on superior performance and financial need. Apply at the College of Science Dean's Office, ESLC 245.

Richard J. and Marion A. Shaw Endowed Scholarship. Established as an endowment fund for the benefit of students who demonstrate high academic achievement, superior potential, and personal integrity. Awarded to students majoring in biology with an emphasis in plant biology.

John R. Simmons Endowed Scholarship. Established to recognize the service given by John R. Simmons, former department head and faculty member in the Department of Biology. Available to junior or senior students majoring in biology and showing scholastic achievement, personal integrity, and financial need.

Space Science Scholarship. A four-year scholarship for students interested in a career in space science (physics). A tuition-free scholarship the first year with subsequent years contingent upon good performance. During their academic career, students will possibly have opportunity to work with appropriate faculty members in space science and earn some subsistence. They will also develop an experimental payload to be flown on the space shuttle.

Sedley and Pearl Stanford Memorial Endowed Scholarship. Established to honor the memory of Sedley and Pearl Stanford to assist undergraduate students seeking a degree in ornithology or entomology, preferably with intention of an academic career.

Harris O. and Eleanor Y. Van Orden Endowed Scholarship Award. Recipient must be an undergraduate chemistry major with a high academic record. The award consists of an in-state tuition waiver.

Graduate Scholarships

The following scholarships are available to graduate students *only*. Applications are available at the specific departments mentioned.

Gene Adams Endowed Scholarship. In memory of Gene Adams, former professor of physics, this scholarship is awarded annually to a graduate student in physics who demonstrates academic performance, financial need, and personal integrity.

Chemistry and Biochemistry Alumni Award. A \$200 cash award, provided by alumni funds, for an outstanding graduate student majoring in chemistry. Usually given to a student who will finish his or her degree within a year.

Willard L. Eccles Foundation Graduate Fellowships. The most prestigious awards available to graduate students in the College of Science. Three \$18,000 fellowships are funded annually by the Willard L. Eccles Charitable Foundation and are designed to attract and retain the finest academic minds with a creative and ambitious approach to solving research problems. Students should apply through their major department.

Thomas F. Emery Endowed Research Scholar Award in Biochemistry. A cash award, presented in memory of Dr. Thomas F. Emery, a highly respected biochemist who served for many years in the Department of Chemistry and Biochemistry. Given to a graduate student prior to his or her final year. Recipients must demonstrate academic achievement, financial need, and personal integrity, and shall be known as Thomas F. Emery Research Scholars.

Marjorie H. Gardner Endowed Teaching Award. A \$200 cash award, given in memory of Dr. Marjorie H. Gardner, a pioneer and distinguished leader in chemical education and science. Presented to honor an outstanding teaching assistant and to emphasize the commitment to excellence held by the faculty of the Department of Chemistry and Biochemistry.

Delbert A. Greenwood Memorial Award in Biochemistry. A cash award, given in memory of Dr. Delbert A. Greenwood, to an outstanding graduate student majoring in biochemistry. Usually given to a student who will finish his or her degree within a year.

Maeser-Bauer Endowed Graduate Teaching Assistant Awards. In memory of Drs. Sherwin Maeser and Norman Bauer, two \$300 awards are given annually upon recommendation of the Department of Chemistry and Biochemistry to outstanding graduate teaching assistants in good standing in the department.

Lawrence H. Piette Endowed Graduate Student Scholarship. Memorializes Dr. Piette, a former dean of the School of Graduate Studies at USU, who was committed to improving the quality of graduate research. This annual scholarship benefits a second-year graduate student making outstanding progress in biochemistry, biophysics, or molecular biology. Apply at the College of Science Dean's Office, ESLC 245.

J. Stewart Williams Endowed Graduate Fellowship. A fellowship in memory of Dr. J. Stewart Williams, first Geology Department head and first dean of the School of Graduate Studies. Awarded annually to geology graduate students for thesis research.

Undergraduate and Graduate Scholarships

The following scholarships are available to *both* undergraduate and graduate students. Application is available at the College of Science Dean's Office, ESLC 245, or through the student's major department.

James E. Brown Endowed Scholarship. Memorializes a past chairman of the USU Institutional Council during a period of intense growth in the University's space program. Benefiting either a graduate or undergraduate student, the scholarship rotates annually among the colleges of Business, Engineering, and Science.

George H. and Billie Bush Emert Endowed Scholarship. A cash award given to a biochemistry student. Provided by George Emert, former Utah State University president, and his wife Billie. Recipients must demonstrate academic achievement, financial need, and personal integrity. Candidates chosen by the scholarship selection committee of the Department of Chemistry and Biochemistry.

Dr. Joseph E. Greaves Memorial Scholarship. Award in memory of Dr. Joseph E. Greaves for students who have achieved in the field of science. Apply at the College of Science Dean's Office, ESLC 245.

Datus M. Hammond Memorial Scholarship Endowment. Awarded in memory of the late department head, Datus M. Hammond, to students majoring in biol-

ogy. Based upon scholarship, character, and professional promise, the award can be made to undergraduate or graduate students in biology.

R. Gaurth Hansen, PhD, Endowed Scholarship. Provides scholarship assistance to selected chemistry students. Initially created by Dr. and Mrs. Vincent L. Rees (BS 1935) and subsequently enhanced by the Hansen family, the endowment honors Dr. Hansen, former USU provost and distinguished professor in the Department of Chemistry and Biochemistry.

Charles J. Sorenson Endowed Scholarship. Provides scholarship support for an outstanding science student having high academic ability, personal integrity, providing civic leadership within the community, and demonstrating financial need. Created by Dr. J. Keith Sorenson (BS 1945), this scholarship memorializes his father, an alumnus and a distinguished entomological researcher at USU. Apply at the College of Science Dean's Office, ESLC 245.

Claude E. ZoBell Endowed Scholarship. Established by Dr. and Mrs. Claude ZoBell to assist and encourage graduate students or outstanding seniors seeking degrees in biology, chemistry and biochemistry, geology, or physics. Students should apply at the College of Science Dean's Office, ESLC 245, or through their respective departments.

Athletics

Scholarships

Information about any athletic scholarship is available at the Athletic Office. For more details, contact the office at (435) 797-1850 or write to: Athletic Office, Utah State University, 7400 Old Main Hill, Logan UT 84322-7400.

Awards and Honors

Alpha Lambda Delta Award to Senior Students. Book Award. An award to a senior who has been an Alpha Lambda Delta member and who carries the highest grade point during four years of college.

Alpha Zeta Award. An award is made annually by Alpha Zeta fraternity honor society of agriculture students to the sophomore in agriculture who made the highest scholastic record in the freshman year.

The American Institute of Chemists Foundation Undergraduate Award. The award is to honor a senior student in recognition of a demonstrated record of leadership, ability, character, and scholastic achievement. The award consists of a certificate and a one-year free Student Associate membership in AIC.

The American Legion Military Medal. A gift of the Logan American Legion Post, it is awarded each year to the athletic letterman who maintains the highest scholastic record during the year and who exhibits the most wholesome attitude toward military training.

American Society for Horticulture Science Award. A plaque will be presented to the outstanding senior in horticulture.

American Society of Agronomy Award. A plaque will be presented to the outstanding senior in agronomy.

American Society of Animal Science Undergraduate Scholarship Awards. Certificates and medals awarded annually to sophomores, juniors, and seniors majoring in Animal Science who are in the top 10 percent of their class.

American Society of Civil Engineering Associate Memberships. Awarded annually to senior engineering students on the basis of scholarship, promise of success in engineering, personality, and ASCE student chapter activity. The awards consist of associate membership in the American Society of Civil Engineers. The first is given by the Intermountain Section of ASCE, the second by the Civil Engineering faculty, and the third by the student chapter of ASCE.

ASCE Membership Award. Junior membership in the American Society of Civil Engineers is awarded by the Intermountain Section, ASCE, to a graduating senior in civil engineering on the basis of scholarship, activities, and personality. Selection is made by the engineering faculty.

ASCE Student Chapter Award. Junior membership in ASCE to the senior doing most for the chapter. Selected by vote of members.

ASLA Merit and Honor Awards. The Utah Chapter of the American Society of Landscape Architects, in conjunction with the faculty of the Department of Landscape Architecture and Environmental Planning, present four awards to graduating seniors and graduate students annually. Candidates are judged on scholarship, professional experience, and the professional quality of their academic work.

The Barnes Key. Rey and Marjorie Barnes award a key annually to an undergraduate student who is affiliated with the campus radio or television station. The student must have a cumulative grade point average of 2.5 or above, must have carried at least one radio class during the year of the award, and must have demonstrated a deep interest in furthering radio and television arts at Utah State University. Selection shall be made by the director of radio and television at USU, the person directly responsible for the campus radio station, and Rey L. Barnes.

Blue Key Award. Each year Blue Key Honorary Service Fraternity awards a "Service Plaque" to an outstanding freshman or sophomore male student. Candidates are judged on University activities, scholarship, service to the University, and moral character. Application forms can be obtained from the organization and must be filed with the Blue Key Awards Committee on or before April 15.

Business Education Student Teacher Award. Presented to one or more senior student teachers who have exemplified superior ability in their student teaching experience.

Cache Valley Chapter of the Utah State Historical Society Award. The Cache Valley Historical Society offers annually an award of \$25 to the USU student writing the best acceptable treatise on any phase or field of Cache Valley history. Papers must be submitted on or before the end of the spring semester and become the property of the Cache Valley Historical Society.

College of Natural Resources Outstanding Senior Award. Awarded to a graduating senior in the College of Natural Resources who has maintained a high record of academic achievement, professional involvement, and community activities.

Chi Omega Sorority Award. An award of \$25 is given annually to the female student majoring or minoring in social sciences who gives evidence of superior scholarship and ability to make a contribution to organized group life. The committee of awards is appointed by Chi Omega Sorority each year from the teaching staffs of the Sociology and Economics departments.

Civil Engineering Faculty Award. Junior membership in the ASCE or ASAE is awarded by the engineering faculty to a graduating senior in engineering on the basis of scholarship and promise of success in engineering. Selection is made by the engineering faculty.

Virginia Dare Award. A cash award of \$25 to the outstanding junior in dairy manufacturing.

Delta Beta Chi Award. Ten dollars is awarded annually by the Delta Beta Chi Chemistry Fraternity to the freshman or sophomore chemistry student who writes the best essay on some subject of chemistry.

Distinguished Service Awards. Awards are given annually to outstanding students in theatre, music, library, and physical education.

Division of Analytical Chemistry American Chemical Society Award. The Division of Analytical Chemistry of the American Chemical Society provides an award, which consists of a eight-month subscription to the *Journal of Analytical Chemistry* and honorary membership in the Division of Analytical Chemistry to an outstanding undergraduate student who displays an aptitude for a career in analytical chemistry. The awardee must have completed his or her third undergraduate year and be enrolled as a senior during the coming academic year.

Thomas M. Farley Scholarship Endowment Awards. Awarded annually in honor of Thomas M. Farley, former Associate Professor Emeritus of Chemistry at Utah State University. Consists of a cash award, along with a copy of the *Handbook of Chemistry and Physics*, presented to students with the best scholastic record in the Principles of Chemistry courses for science majors. Recipients of these awards shall be known as T. M. Farley Scholars in Principles of Chemistry.

Foreign Student Achievement Award. A certificate of achievement to a graduating foreign student from a non-English speaking country who has the highest scholastic average during undergraduate study.

Institute of Electrical and Electronic Engineers Outstanding Senior. A certificate given annually to a member of the local student chapter of IEEE.

Institute of Electrical and Electronic Engineers Paper Contest. A noncash award (e.g., a calculator) given to the winner of the annual technical paper contest.

LAEP Faculty Medal. The Faculty Medal is awarded annually to a senior or graduate student in the Department of Landscape Architecture and Environmental Planning. The medal is given to the outstanding student in the department, based upon the judgement of the faculty. The award takes into account the academic record of the individual, their contribution to the department and the profession during their period of education, and, most importantly, their future potential contribution to the profession in practice.

Logan Kiwanis Club Trophies. Each year, the dean of each of the eight colleges selects an outstanding student in the college to receive the Kiwanis Club Plaque.

Virginia Jenkins Award. An award given to a male junior or senior student who has completed a mission for the LDS church. Contact Financial Aid Office for details.

Mechanical and Aerospace Engineers Faculty Award. An engineering handbook awarded annually to the mechanical or aerospace engineering senior with the highest grade point average. The award is made by the Mechanical and Aerospace Engineering Department faculty.

National Business Education Association Award. An award presented by the National Association for Business Teacher Education to the senior who has distinguished himself or herself in business education.

National Council for Geographic Education Award. An award given annually by the National Council for Geographic Education to recognize academic achievement by a graduating senior in geography education.

Outstanding Seniors in the College of Engineering. A plaque and a cash award given annually to the outstanding senior in each of the departments in the College of Engineering: Biological and Irrigation Engineering, Civil and Environmental Engineering, Electrical and Computer Engineering, Industrial Technology and Education, and Mechanical and Aerospace Engineering.

Outstanding Senior in the College of Engineering. A plaque and a cash award given annually at the Engineering Banquet to the outstanding senior in the college.

Outstanding Seniors in the College of Family Life. A plaque and cash award given annually at the Family Life Scholarship Banquet to the outstanding senior from each of the departments: Family and Human Development, Human Environments, and Nutrition and Food Sciences.

Outstanding Seniors in the College of Natural Resources. Annual awards given to one senior in each department of the college—Rangeland Resources, Forest Resources, Fisheries and Wildlife, Geography and Earth Resources, and the Watershed Science Program. Based on academic achievement, professional commitment, and demonstration of leadership in academic and extracurricular activities. Selected by faculty members in the respective departments.

Outstanding Graduating Senior in the Department of Chemistry and Biochemistry. A \$100 cash award to the graduating senior who has made the most significant contributions to department programs and activities.

Drs. Myron D. and Ann Rice Award for Superior Performance in Business or Marketing Education. A \$300 award for a student majoring in Business Education or Marketing Education who has exhibited superior performance in his or her field.

Scholarship "A"s. In the form of a pin, these awards are given to undergraduate students who present evidence that their grades are all "A"s for two consecutive semesters of their residence. At least 15 credits must be graded courses. Contact the Enrollment Management Office for details.

Sigma Lambda Alpha Awards. Sigma Lambda Alpha is the National Honor Society in Landscape Architecture. Invitations and awards are made each year to outstanding upper-division and graduate students in the Department of Landscape Architecture and Environmental Planning. Awards are recommended by the faculty based on the scholastic records of the individual. The minimum grade point average for invitation is 3.2 or above.

Sigma Tau Award. To the outstanding sophomore engineering student for scholarship, sociability, and practicability. Selection made by the Alpha Delta Chapter of Sigma Tau, an honorary engineering fraternity.

Society of American Foresters Outstanding Senior Award. Award given by the Wasatch Front Chapter of the SAF to a student who has achieved academic excellence and who has been active in professional activities and the USU Student Chapter of the SAF.

Utah Association of Certified Public Accountants. An award for the purpose of stimulating interest, to the outstanding senior student majoring in accounting.

Utah State Historical Society Award. An award to the outstanding graduate majoring in history.

Utah State University Business Education Student Teacher Award. This honorary award is presented to one or more senior student teachers who have exemplified superior ability and excellence in completing their student teaching experience leading to the BS degree.

Wall Street Journal Award in Business. A medal and one year's subscription to the *Wall Street Journal* is given for outstanding achievement in accounting.

Wall Street Journal Award in Business. A medal and one year's subscription to the *Wall Street Journal* is given for outstanding achievement in business administration.

Wall Street Journal Award in Business. A medal and one year's subscription to the *Wall Street Journal* is given for outstanding achievement in management and human resources.

Wall Street Journal Award in Economics. A medal and one year's subscription to the *Wall Street Journal* is given for outstanding achievement in economics.

Colonel Joe E. Whitesides Award. This award is given to the outstanding student athlete selected by the Athletic Council on the basis of (1) academic achievement, (2) athletic achievement, and (3) adjustment to meet the daily demands in character, social, and general culture.

Loans

The A Men's Athletic Association Loan Fund. Monies to be used for tuition and books by the direct descendants of A Men members. The A Men Association consists of individuals who received the athletic award A from USU prior to 1970. Monies must be repaid within 24 months after borrowing. For details, contact the Financial Aid Office.

James W. and Margaret E. Bingham Student Loan Fund. Senior students have priority to this loan fund, then junior students may borrow. The loans are to be repaid within a one-year period after the students graduate. Contact the Financial Aid Office for details.

The Edgar B. and Laura Cowley Brossard Loan Fund. An emergency loan account for needy junior and senior students given by the Brossards, alumni of Utah State University. Apply for these funds as an emergency loan through the Financial Aid Office.

Box Elder High School Loan Fund. For USU students who have attended Box Elder High School.

East Carbon Wildlife Federation Loan Fund. Provides up to \$600 to deserving students in the College of Natural Resources for purposes related to the continuing of their education. For details, contact the dean's office, College of Natural Resources.

Orson A. and Rae N. Christensen Loan Fund. From a generous gift of the Christensens, a loan fund at a low interest rate is set up to help students through school. The accrued interest goes to create scholarships in the College of Business. Apply for these funds as an emergency loan through the Financial Aid Office.

J. Reuben Clark Small Loan Fund. A reserve specifically provided for assistance to students in meeting school obligations.

Annie Givens Anderson Gardner Loan Fund. This loan is for needy freshman women with no previous college training who are members of the Church of Jesus Christ of Latter-day Saints in good standing. Apply for these funds as an emergency loan through the Financial Aid Office.

Edwin and Josephine Gossner, Sr. Cooperative Education Student Loan Fund. For students attending USU; 30 percent of the fund is reserved for Native American students. The loans are to be repaid within a six-month period. Contact the Director of Cooperative Education for details.

Intercollegiate Knight Loan Fund. Loan fund provided by the Intercollegiate Knights for needy USU students.

O. W. Israelsen Memorial Loan Fund. Upper-division or graduate students in irrigation and drainage engineering may use this fund.

Robert L. Judd Loan Fund. This loan fund was given by Mrs. Judd in honor of her late husband. Loans are available to undergraduate men who have ability and need financial assistance. Apply for these funds as an emergency loan through the Financial Aid Office.

Editha Smith Kent Loan Fund. Dr. Melvin Kent gave this generous gift to be used as a loan fund in honor of his wife, Editha Smith Kent. The Kents are both USU alumni. The fund is used to provide student loans at a low interest rate. Apply for these funds as an emergency loan through the Financial Aid Office.

Henry Lane Memorial Fund. Established by his sons, Sid and MacArthur Lane, in memory of their father. This loan fund is to be used by black varsity athletes.

Vera Nielson Langford Loan Fund. From a generous gift, a loan fund to be used by needy home economics students.

Latin American Student Loan Fund.

Larue H. Merrill and Ida K. Merrill Loan Fund. An emergency loan fund for senior students given by the Merrills, alumni of USU. Monies are to be repaid within a maximum of 12 months after graduation. Contact Financial Aid Office for details. Apply for these funds as an emergency loan through the Financial Aid Office.

George A. Meyers Loan Fund. Established in memory of Dr. Meyers, a friend and benefactor of foreign students, for their emergency needs. Apply for these funds as an emergency loan through the Financial Aid Office.

Edgar B. and Laprile B. Mitchell Loan Fund. This loan fund was established for students who are in need of financial assistance to commence or continue their education at Utah State University. The loan shall be made only for undergraduate students. Apply for these funds as an emergency loan through the Financial Aid Office.

Marjorie Paulsen Loan Fund. A fund provided by the father of a former Aggie student active in student body affairs.

Arthur Pirsko Loan Fund. Provides up to \$600 to deserving students in the College of Natural Resources for purposes related to the continuing of their education. For details, contact the dean's office, College of Natural Resources.

W. B. Rice Memorial Loan Fund. This loan fund provides loans up to \$600, usually for one year, to deserving students in the College of Natural Resources. Application is made to the dean's office.

Senior Loan Fund. A gift of the class of 1911, and added to by the class of 1922, has helped many students complete school.

Margaret Sigler Loan Fund. A short-term loan of \$100 to be repaid by the student in a specified time period with no interest charges. Contact Women's Center/Reentry Student Center.

H. Grant Stephens Loan Fund. A special borrowing fund with minimum interest rates to be used with pressing financial needs. Given in honor of Mr. Stephens by his children. Apply for these funds as an emergency loan through the Financial Aid Office.

Lewis M. Turner Loan Fund. Provides up to \$600 to deserving students in the College of Natural Resources for purposes related to the continuing of their education. For details, contact the dean's office, College of Natural Resources.

Ichel Water Loan Fund. An individual gift to assist students in need.

National Honor Societies with Chapters at USU

Golden Key

Founded at Georgia State University in 1977, this academic honors organization recognizes and encourages scholastic achievement among students from all academic fields. The society unites talented undergraduate students with prominent faculty members and administrators who are active in Golden Key at the chapter and national levels. Two scholarships are awarded annually by each chapter to outstanding junior and senior initiates.

Membership, by invitation only, is limited to no more than the top 15 percent of juniors and seniors enrolled at USU. Part-time and full-time students qualify, as do traditional and nontraditional students.

Chapter Advisor: Patricia S. Terrell, Vice President for Student Services, SC 220, (435) 797-1712.

Beta Gamma Sigma

Beta Gamma Sigma international honor society was founded in 1913 to recognize superior scholarship in business. It is the highest international recognition a business student anywhere in the world can receive. The USU chapter was established in 1975.

Membership is by invitation only and is limited to the top 20 percent of business graduate students, the top 10 percent of seniors with business majors, and the top 7 percent of juniors with business majors. Candidates must have completed one year of study at Utah State University.

Chapter Advisor: Madeline S. Thimmes, Sr. Lecturer/Academic Advisor, BUS 818, (435) 797-3722.

Phi Kappa Phi

Phi Kappa Phi is a national honor society, founded in 1897 to recognize and encourage superior scholarship in all academic disciplines. Membership is based upon academic achievement and is proffered to undergraduate and graduate students who obtain a grade point average in the highest 10 percent of those graduating

from each college at USU. The national organization awards 50 graduate school fellowships each year to students from throughout the country and sponsors undergraduates for internships and study abroad programs. Each year, the USU chapter also awards two to three scholarships to outstanding juniors and recognizes faculty members for their achievements.

Chapter Advisor: Mary E. Leavitt, secretary/treasurer, (director, Science/HASS Advising Center), (435) 797-3883.

Pinnacle

Pinnacle was founded at Murray State University in Kentucky in 1989 for the purpose of recognizing the achievements of adult and nontraditional students. The USU chapter was established that year, and the first members were inducted in 1990. Membership is open to no more than 15 percent of the junior and senior student population. Initiates must be 26 years of age or older, must have earned an overall USU GPA of 3.0 or higher, and must have been involved in campus and/or community activities. Applications are available at the Reentry Student Center.

Chapter Advisor: Janet L. Osborne, director, Women's Center/Reentry Student Center, SC 310, (435) 797-1728.

Mortar Board

The Order of the Acorn chapter of Mortar Board has existed at USU since 1970. It was founded in 1918 as the first national organization honoring senior college women. Mortar Board opened its membership to men in 1975.

Mortar Board recognizes college seniors for distinguished abilities in scholarship, leadership, and service. Members continue to magnify these traits throughout membership by developing and carrying out activities, events, and service projects. New members are chosen during spring semester and must be in the top 35 percent of their class.

Chapter Advisor: Danielle Gardner, Student Activities Intern, (435) 797-7482.

Special Programs and Centers

Exchange Programs

Utah State University participates in several student exchange programs, including Cultural Exchange, National Student Exchange (NSE), and International Student Exchange (ISEP).

Cultural Exchange

Cultural exchange opportunities are available to USU students, both in the credit and noncredit mode. The programs include summer study programs in Mexico, Spain, Germany, and France; and an annual travel-study tour to Russia. Further information may be obtained from the Department of Languages and Philosophy, Main 204, (435) 797-1209.

National Student Exchange

National Student Exchange (NSE) is a group of more than 170 colleges and universities in the United States. NSE is designed to: (1) provide students with options for educational travel and study at minimal cost, (2) provide educational opportunities in academic studies not available at USU, and (3) create an appreciation of diverse ideas and value systems.

Students normally participate in NSE during their sophomore or junior year. For further information, contact Academic Support Services, University Inn 101, (435) 797-1132.

Study Abroad Program

Study Abroad Programs. The USU Study Abroad Office provides information on a range of programs offering opportunities for study all over the world. USU offers many study abroad exchanges for a semester, academic year, or summer term in conjunction with other universities. Students can complete major or minor requirements while on study abroad.

Students may study the Spanish language at all levels at ITESM University in Mexico. A four-week beginning-level Spanish language and family home-stay program is offered in May-June of each year at the University of Costa Rica in the cosmopolitan capital of San Jose, Costa Rica. Regular semester coursework is also offered in Spanish at the University of Costa Rica and in both Spanish and English at ITESM University. Another Spanish study opportunity is located at the University de la Rioja, in beautiful Logrono in northern Spain. Students may study the Spanish language and take regular coursework in Spanish. A new opportunity in Peru, at UPAO University, will offer Spanish language study, plus regular coursework in Spanish in nutrition, nursing, engineering, etc. The Pontificia Universidade Catolica in Rio de Janeiro, Brazil offers students the opportunity to study regular coursework in Portuguese or study the language. The University of North London offers a wide variety of subjects, with students housed near historic Hyde Park. In addition, students can study at Leicester University in Leicester, England, as well as University College Northampton in Northampton, England, both located just over an hour north of London. Other study abroad programs include: study in landscape architecture at University of Ljubljana, Slovenia; American studies at Innsbruck University in Austria; and graduate work in ceramics at Southern Cross University, Australia. At Kansai Gaidai, Kobe, and Gifu universities in Japan, all

levels of Japanese are taught. Students may also earn credits in subjects taught in English at Kansai Gaidai. Keimyung University in Korea provides classes taught in English and intensive Korean. Language study in Chinese is available in Beijing, China. Students may study the Thai language, as well as economics and business courses taught in English, at Thammasat University in Bangkok, Thailand. College of Business students may participate in programs in Australia, the Netherlands, France, Sweden, and the United Kingdom. For graduate-level study in economics, exchanges are available in the United Kingdom, Spain, Portugal, Greece, France, or Germany. Graduate students in American Studies can participate in a unique exchange opportunity with the University of Innsbruck, Innsbruck, Austria. Students can participate in a summer program at the prestigious Cambridge University in England. For additional information on these and other programs, contact the Study Abroad Office, SC 313B, by phone at (435) 797-0601 or (435) 797-1253; or by e-mail at kforsyth@hass.usu.edu. Detailed information is available on the following website: <http://www.usu.edu/stdyabrd>.

International Student Exchange Program (ISEP)

ISEP is one of the most varied study abroad opportunities at USU. Through ISEP, students may study in Africa, Asia, Australia, Canada, Europe, Latin America, or Oceania. ISEP offers traditional European study abroad opportunities at some of the leading institutions in Austria, France, Germany, Hungary, Sweden, Finland, the Netherlands, and the United Kingdom. Exciting new opportunities for study in such countries as Latvia, Fiji, Iceland, Ghana, and Japan are also offered. There are more than 40 sites to choose from in all. At many of these sites, coursework taught in English is available.

As ISEP participants, students matriculate directly into a host institution abroad. Direct matriculation means students register as regular students at their host institution, take the same courses, have the same assignments, and participate in the same activities as all other students at that institution. For more information about ISEP, contact the Study Abroad Office, SC 313B, (435) 797-0601 or (435) 797-1253.

Disability Resource Center

The purpose of the Disability Resource Center is to help students with disabilities overcome physical, educational, or attitudinal barriers which may prevent them from reaching their full educational potential. Staff members coordinate University support services, thus aiding students in becoming integrated into the campus community.

The Disability Resource Center is located in Room 104 of the Taggart Student Center and can be reached by telephone by calling (435) 797-2444 (voice) or (435) 797-0740 (TTY).

Services offered by the Disability Resource Center include:

1. Campus orientation, architectural access, and modification. Accessibility map is available.
2. Registration assistance, including interpreters, advisors, and escorts.

3. Equipment loan and Assistive Technology Laboratory, including FM amplification systems, tape recorders, aids for the visually impaired, and adapted computer hardware and software.

4. Referral information regarding campus and community services, including a referral registry for nonacademic interpreters, readers, personal care attendants, and escorts.

5. Taped textbooks, provided by volunteers recruited and trained by the Disability Resource Center, in cooperation with the Utah State Library for the Blind and Physically Disabled. Kurzweil Reading Machine and CCTV enlarging devices are available.

6. Counseling for academic and personal needs.

7. Support service coordination with the Division of Vocational Rehabilitation for resident and nonresident students.

8. Assistive Technology Laboratory includes computers, adapted input devices, voice synthesizers, closed captioned decoders, scanners, and enlarged output devices.

Academic Resource Center

Director: Noelle A. Call

Staff: Pat Anderson

Penny Findlay

Leticia Martinez

Carol Rosenthal

Office in Student Center 305, (435) 797-1128

The Academic Resource Center provides services and programs for undergraduate students to enhance their learning skills and strategies and to facilitate their academic success. The center provides individual learning skills instruction, classes, tutoring, supplemental instruction, workshops, and print, video, and computer-based instructional materials.

Courses

Psy 1730, Strategies for Academic Success (1-3 credits), involves discussion and application of important study strategies for college success. It is designed for any student interested in developing and improving study skills. Topics of discussion include: developing and achieving goals and objectives; use of campus resources; time scheduling and management; memory improvement; note-taking; motivation; textbook reading; test-taking; oral and written communication; and development of strategies which lead to academic success.

Psy 1750, Comprehension Strategies for College Reading (1 credit), is designed for students who want to improve their college reading skills in the areas of comprehension, vocabulary, and retention of information. New strategies are learned by applying and practicing the skills in college textbooks from the students' other classes.

MHR 1160, Developing Self-Management Skills (1 credit), involves discussion and application of study and personal management strategies to assist students identified for additional academic intervention.

MHR 2160, Student Applied Leadership Training (1-3 credits), is designed to develop the skills of students interested in being tutors. This class meets the standards of the National Tutoring Certification Program.

Workshops

Workshops are offered on a variety of study and self-management skills topics for student groups and classes. Topics include: time management, test taking, test anxiety, and notetaking. To arrange for a workshop, call (435) 797-1128.

Supplemental Instruction

A program of Supplemental Instruction (SI) for General Education courses is sponsored by the center. A student who has successfully completed a General Education class is hired by the center to attend all class sessions and conduct review sessions. This student exemplifies good study habits and helps students in the SI program to develop study strategies geared at enhancing academic achievement in that class. SI classes and schedules are published each semester on the web:

<http://www.usu.edu/arc>

Tutoring Programs

Drop-In Tutoring. Free drop-in tutoring is provided by trained tutors for math and writing skills. Services are available at the center and other campus sites. Schedules can be picked up in SC 305 each semester or can be found on the Web-based Tutor Directory.

Tutor Advertiser. Students can hire a qualified tutor through the *Tutor Advertiser*, which is maintained by the center. These tutors are screened by the center and must be paid by the student receiving the tutoring.

Tutor Directory. The center publishes a directory of all on-campus free tutoring. The directory is available in SC 305 and through the center's web page:

<http://www.usu.edu/arc>

USU America Reads

The center coordinates a literacy tutoring program, through which students with federal work-study financial aid are hired and placed in elementary schools to work as reading/writing tutors with children who are struggling readers.

Idea Sheets

Free Idea Sheets on a variety of study and self-management skills topics are available in the center and through the center's web page (www.usu.edu/arc). These include tips on time management/procrastination, note-taking, memory development, study reading, test-taking, assertiveness, self-esteem, handling criticism, etc.

Individual Assistance

Students seeking individual assistance with their study skills may make an appointment by calling (435) 797-1128 or coming to SC 305.

Video Viewing Library

The center has a collection of videos relating to effective study strategies. Students may view these videos in the center.

Referral Resources

The center provides students with referral information for a variety of on-campus and off-campus services and agencies.

General Registration Program

Office in Science/HASS Advising Center, Student Center 302,
(435) 797-3883

General Registration is the administrative-academic unit maintained at USU for the enrollment of students who do not meet the admissions requirements of the eight academic colleges.

The primary function of the program is to assist and encourage students in the improvement of their academic status, so they may transfer to the major of their choice. To accomplish this purpose, participants are urged to limit their course loads each semester, satisfy remedial requirements when indicated, and meet frequently with an advisor. Students in General Registration are encouraged to take General Education and exploratory classes. Resources in the Academic Resource Center, the University Counseling Center, the Testing Center, and Career Services are available to assist such students with career, aptitude, life skills, and study skills counseling.

The Low Scholarship and Probation Policies of the University apply to students enrolled in General Registration. When a student has satisfied remedial course requirements and has demonstrated ability to maintain a 2.0 GPA, that student may apply for admission to an academic college and department or to the Undeclared Program. Regular college admissions evaluations procedures will then be followed, and if there are no admissions restrictions, the student will be enrolled in the department of his or her choice.

Cooperative Education Internship Program

The Cooperative Education Internship Program offers both undergraduate and graduate students a unique opportunity to integrate career, social, and personal development into the educational process. The program is designed to allow students to alternate classroom study with a series of paid preprofessional work experiences related to their field of study. These experiences increase in complexity as the student's background in a given field increases.

The program offers several specific benefits to students. It provides those students who have decided on an academic major an opportunity to obtain pregraduation work experience in their chosen career. The program provides those students who are unsure of their academic major an opportunity to explore several career possibilities. It provides them a chance to earn money for their education and credit toward their degree. Finally, it substantially improves the students' opportunities for employment after graduation.

The Cooperative Education Internship Program option is available in all departments on the Utah State University campus. Generally speaking, students begin their work experiences in their sophomore or junior year, although seniors can take advantage of program benefits. Students can undertake either part- or full-time work experiences. Work experiences are available both during the academic year and during the summer. These work experiences may be with a single employer or with different employers; increasing complexity is the critical principle. Salaries vary with the field of work and the complexity of the job.

The amount of academic credit awarded for a given work experience varies, and depends upon the amount of work completed and upon the career-related nature of the experience. The decision

regarding credit and the amount to be granted rests with the academic department, and specifically the faculty co-op coordinators. Students must make the credit arrangement with their faculty co-op coordinators prior to their work experience.

Students interested in entering or learning more about the program should contact their academic department; or visit Career Services, located in University Inn 102, tel. (435) 797-7777.

Air Force Reserve Officer Training Course

Curricula in Aerospace Studies is divided into **General Military** and **Professional Officer** courses. The first two years total 12 credits. Up to 28 credits are given for the Air Force Professional Officer courses. Enrollment in the General Military Course is voluntary and incurs no military obligation. The Air Force Professional Officer Course incurs an active duty obligation for those students who are under contract.

The Air Force offers an attractive career and benefits package. Qualified cadets may apply for several Air Force sponsored scholarships that pay all tuition, a book allowance, plus a monthly stipend. Upon graduation, the student is commissioned as a Second Lieutenant.

There are sufficient elective credits within most degrees offered by the University for a student to apply a maximum of 40 Aerospace Studies credits toward a degree.

Students should consult their advisor to determine which AFROTC credits can be applied toward a specific degree. For detailed AFROTC requirements and course information, see the Department of Aerospace Studies section of this catalog.

An academic minor is available in Aerospace Studies. Interested students should check with the Aerospace Studies Department for details.

Army Reserve Officer Training Course

The Military Science Department (Army ROTC) offers a leadership program for college men and women leading to a commission as a second lieutenant in the United States Army (Active, Reserve, or National Guard). All courses award academic credit toward graduation. A minor in Military Science is available.

The Army ROTC prepares college students to be leaders in the twenty-first century. The program offers an opportunity to learn and practice hands-on leadership skills, receive military training, and compete for financial aid and/or scholarships. The textbooks, uniforms, and equipment necessary for the program are provided by the Department of the Army without cost to the student. A subsistence allowance of up to \$4,000 per year is available.

The ROTC is a four-year undergraduate program consisting of two sub-courses. The Basic Course provides instruction in basic leadership and hands-on military skills. To enter the Advanced Course, students must be credited with the Basic Course and must have earned a minimum of 54 semester credits. The Advanced Course includes pre-commissioning training in leadership development, military organization, management, tactics, and administration.

Students desiring to enter the ROTC at the Advanced Course level may do so by attending the paid, five-week National Leadership Course at Fort Knox, Kentucky. Veterans, members of the Army National Guard or Army Reserve who have completed Basic Training, and Junior ROTC cadets may also qualify to enter at the Advanced Course level.

Two-, three-, and four-year merit-based scholarships are available through Army ROTC. These scholarships pay tuition, fees, a book allowance, and a monthly stipend. Winners are selected based on achievements in academics, leadership, and extracurricular activities. Four-year applications should be submitted between April 1 and November 15. However, two- and three-year applications are accepted year-round. Students may count military science credits toward graduation. Students can be granted up to a two-year leave of absence for education or service opportunities.

Student Wellness Center

Director: JoAnn R. Autry

Office in Student Health and Wellness Center 119,
(435) 797-1010

The Student Wellness Center is dedicated to serving students, staff, and faculty by teaching, promoting, and modeling healthy lifestyles. Wellness is encouraged through balance in five major areas: social, physical, spiritual, mental/emotional, and financial. The Student Wellness Center staff is also able to work individually with students to determine the role that alcohol and drugs are playing in their life, as well as the impact of misuse. The Student Wellness Center also offers the following services to students, staff, and faculty:

1. Educational programs for judicially mandated, self-referred, or any interested student, staff member, or faculty member. Alcohol, tobacco, and other drugs; issues concerning children of alcoholics; and women's issues are discussed in the classes.

2. Referral to the proper agency when the required help is not available on campus.

3. Presentations to all student organizations, including fraternities, sororities, residence halls, athletic teams, and campus-based student clubs. These presentations, which are excellent supplements to academic course material, can be scheduled by faculty members for inclusion in their classes. Possible topics include: healthy lifestyles; HIV, AIDS, and STD's; alcohol, tobacco, and drugs; and nutrition.

4. Student involvement in teams offering prevention activities and promoting healthy lifestyles. Also available is training in how to talk to someone with a substance abuse problem. Leadership opportunities for students are abundant.

5. Prevention programs such as National Alcohol and Drug Awareness Week, National Drunk and Drugged Drivers Week, National Safe Spring and Summer Breaks, National Ribbon Week, Health and Wellness Fair, AIDS Awareness Month, and Great American Smokeout.

6. Research and surveys to aid in prevention efforts and compare USU with local and national norms.

7. A library of up-to-date information on substance abuse and health issues. Anyone interested may check out materials from the library.

Student Support Services

Director: Nazih T. Al-Rashid

Office in Student Center 225A, (435) 797-3372

Student Support Services is a special program financed through a federal grant and Utah State University with the purpose of providing additional support to students who meet particular qualifications. The Student Support Services Program seeks to prepare and support students for the challenges of higher education by offering assistance in:

1. academic advising and guidance,
2. tutoring on an individual basis,
3. course selection,
4. faculty mentoring,
5. reading and study skills enrichment (Psy 1750, 1730),
6. math instruction (Math 0900, 1010, 1050),
7. financial aid planning, and
8. priority registration.

To qualify for these services, a student must be an American citizen or permanent resident of the United States, must be registered at Utah State University, must demonstrate academic need for services as defined by the institution, and must meet one of the following U.S. Department of Education criteria:

1. low income, as established by the U.S. Commission of Higher Education;
2. disabled, including physical disabilities and learning disabilities; or
3. first-generation college student, meaning that neither of the student's parents have graduated from a four-year institution of higher education.

Housing and Food Services

Learn and Live

Students who live on campus are at the heart of campus life. USU residence halls are located next to or near all University classrooms and libraries, with additional in-house tutoring, computer labs, study rooms, and classrooms provided to residents. USU's residential communities are designed to promote academic success, with an atmosphere conducive to academic, social, cultural, and personal growth.

Residential Learning Communities

Each year, USU data has confirmed that students who live in residence halls do much better academically, which means earning higher GPAs. Students living in residence halls are also able to carry heavier class loads than are students who live off campus. Research also shows on-campus students tend to be more involved in academic and extracurricular activities, persist and graduate on time, and enjoy their overall collegiate experience more. All students living within housing learning communities have access to the following services to assist in their academic success: computer labs, high-speed Internet access T-1 data line, educational programming, peer tutors (math, writing), enhanced academic advising and career counseling, faculty mentoring, increased faculty interaction, and leadership and service opportunities.

By participating in specialized academic programs and floors, students can live with others enrolled in the same academic program or having similar interests. Students participating in these programs share a floor with students having common college interests. Increased faculty interaction through on-site mentoring, advising programs, and activities are just a few of the benefits.

Each community offers slightly different opportunities and is designed with the student in mind. High-quality facilities at reasonable rates, along with service and convenience, is provided. All prices include high-speed Internet access, local phone, cable TV, and free shuttle bus service. Single housing apartment prices include all utilities, full kitchens, and furniture. Family housing units have full kitchens and are rented unfurnished. Residents are responsible to pay electric and gas utilities themselves.

To check the current price listings, style options, and availability, visit the housing website at <http://www.usu.edu/housing>, call (435) 797-3113, call toll free 1-800-863-1085, or send e-mail to info@housing.usu.edu.

Single Student Learning Communities

Central Campus Freshman Learning Community. Central campus is the heart of the freshman learning experience for Utah State University and home of the "Success Program" for first-year students. Since starting college can be challenging, the Central Campus Freshman Learning Community is designed to make life a little easier. This close-knit community is key to developing lasting friendships, fun, and student achievement. The focus is on increasing faculty and staff interactions, enhancing educational

programming, and improving the first-year community experience at Utah State University.

South Campus Living/Learning Community. The South Campus Living/Learning Community has main campus at its doorstep. This is the ideal location for returning and transfer students who want to be in the heart of the academic community. Located just steps from both libraries, computer labs, and most classrooms, this community is an ideal choice for those who want to be at the heart of campus.

Student Living/Learning Center Community. This community is designed for both upper-class and freshman students with an excellent variety of apartment options. This is a great location for students who want an academic setting surrounded by abundant open green space. Seven apartments in this community house live-in faculty mentors to enhance student-faculty interaction. As the host site of Global Village and College Interest Floors, this community has an excellent computer lab, multi-media classroom, tutoring room, and piano rooms. Shuttle buses take students to the center of campus in a matter of a minutes.

Aggie Village Singles Living/Learning Community. The Aggie Village Singles Living/Learning Community houses two upperclass academic neighborhoods for single students: Aggie Singles and Aggie Graduates. Located adjacent to the main campus, Aggie Village is the ideal getaway for students seeking privacy and quiet study time. Aggie Shuttle buses regularly deliver residents to main campus in a matter of minutes.

Family Living/Learning Communities

USU Family Living/Learning Communities are an ideal choice for student families seeking an easier, more productive learning and living environment. Families will appreciate the extra space both indoors and outdoors. For children, safe fenced play areas are provided, and parents will appreciate apartments with many amenities. Numerous classes and programs for family students are offered in the classroom located in the Community Area Office. Living options include spacious one-, two-, and three-bedroom apartments and a mobile home park.

Dining Options at The Junction

The Junction, centrally located between Mountain View and Valley View Towers and Richards Hall, offers an all-you-care-to-eat buffet for one great price. From home-cooked meals to casual dining to late-night snacks at The Depot, the Junction will satisfy student appetites anytime. Students may enjoy tempting entrees, a full salad bar, a Belgian waffle bar, a cold cereal bar, homemade soups, and a dessert bar. They can even make their own deli sandwiches, enjoy a pizza, or order from the grill. The Depot, located inside the Junction, is the central campus late-night hot spot. Using their flex money, students may enjoy a late-night snack, sip on a soda, or become a Karaoke star. Students may select a dining plan tailored to their individual dining needs.

Undergraduate General Information

Entering Utah State University

Enrollment Management

Associate Vice Provost for Enrollment Management:

Lynn J. Poulsen

Interim Registrar: Heidi Jo Beck

Assistant Registrar for Extension:

Derri Dee (Dee Dee) Leonard

Assistant Registrar for Curriculum Management:

Cindy B. Moulton

Assistant Registrar for Technology: Suzette Baker

Offices in Taggart Student Center 246

The Office of Enrollment Management performs the following academic services:

1. *Admission of Undergraduate Students:* interviews prospective students, evaluates credentials; processes applications.
2. *Registration:* conducts registration and facilitates drop/add, audit, and pass/fail adjustments. See *University Schedule of Classes* for registration procedures.
3. *Records:* maintains academic records and microfilm records, processes transcripts and all grade adjustments, facilitates advisors, processes major and name changes, and issues verifications.
4. *Scheduling:* builds and publishes *University Schedule of Classes*, assigns courses to classrooms, maintains curriculum file of approved courses.
5. *Undergraduate Graduation:* processes applications, verifies completion of University requirements, orders and distributes diplomas, posts degrees to transcripts, maintains graduation records.
6. *Residency:* counsels students on Utah residency laws, processes and evaluates residency applications, advises applicants of their status.
7. *Veterans Services:* certifies, reports, and advises U.S. veterans and qualified dependents relative to training and educational benefits.

Admission Requirements

The Utah State University admission policy is designed to admit undergraduate students who have the best chance to successfully complete a university program of study.

All freshmen, including transfer students with less than 30 semester hours of credit, must submit an official high school transcript and ACT/SAT scores as part of their application for admission.

Application for admission and credentials from schools previously attended should be received by the Admissions Office by July 1 for fall semester admission, by November 1 for spring semester admission, and by April 1 for summer semester admission.

A student is admitted to the University on the basis of an application (which includes official transcripts of credit from each school previously attended), a \$35 nonrefundable application fee, and ACT/SAT scores when applicable. A processing fee of \$10 is required of students applying for readmission. Students applying after the deadline will be assessed an additional \$15 late fee. Contact the Admissions Office for application and general information.

Students who have attended home schooling, charter high schools, or performance/outcome-based high schools will need to submit an Application for Admission, the \$35 application fee, and ACT/SAT results, and *may* need to have an interview as part of the admissions application process. Those students who have completed the GED must also submit a copy of the GED Certificate.

USU grants admission without regard to race, color, creed, sex, or national origin, to students who satisfy the admission requirements.

Students who have been denied admission to the University may appeal the decision by contacting the Admissions Office, Taggart Student Center 246. The appeal must be made no later than seven calendar days from the first class day.

Freshman Admission

Students attending the University for the first time are admitted on the basis of an index score, which is a reflection of high school grades and ACT or SAT scores. Entering students must have an acceptable index score in order to be admitted. (See Admission Index table on page 49.) **USU regulations regarding the index score are as follows:** Those students with an index score of 100 or higher will be admitted. Students having an index score of 91-99 are very likely to be admitted. On a space available basis, students with an index score between 86 and 90 may be admitted. Those students with an index score below 86 will likely be denied admission, but will be granted a chance to appeal upon the student's request. Exceptions to the preceding regulations will be made for applicants who have not graduated from high school, who may substitute results of the GED. In cases where the applicant is younger than 25 years, official ACT/SAT results are also required. Admission decisions will be made on an individual basis.

High School Curriculum

Students who have graduated from high school and who desire to attend Utah State University must have completed a preparatory course of study, including the following:

English. Four years (units), emphasizing composition/literature.

Mathematics. Three years (units), selected from elementary algebra, geometry, intermediate algebra, trigonometry, college or advanced algebra, or calculus. It is strongly recommended that students take mathematics up to at least trigonometry.

Biological/Physical Science. Three years (units), that meet either state or local graduation requirements. At least one unit must provide a laboratory experience.

American History. One year (unit).

Additional Courses. Four years (units), chosen from at least two of the following: history, English, mathematics beyond intermediate algebra, laboratory science, foreign language, social science, and fine arts.

Foreign Language. Two years (units) recommended, which must be of the same foreign language.

Students having less than the required number of units, but who have an admission index of 95 or higher, will be admitted on the condition that the deficiency is satisfied within the first 30 semester hours of study at the University.

When the admission decision is made, an official letter of notification will be sent to the student.

Testing. All freshmen, including transfer students with less than 30 semester hours of credit, must present the results of the ACT/SAT as part of their application for admission to the University.

Early Admission. A high school student who has completed his or her junior year and maintained a superior scholastic record may be granted special consideration for admission. An applicant must satisfy the following requirements:

1. Submit an official application, ACT/SAT scores, a high school transcript, and a \$35 application fee.
2. Submit letters of approval and recommendation from:
 - (a) Superintendent or principal
 - (b) Parent or guardian
3. Admission is not automatic, and will be determined by the admissions committee.
4. Applications for admission and credentials from the high school must be received by the University according to the deadline dates listed under General Admissions Policies.

Nontraditional Admission. An applicant who is not a high school graduate may be considered for admission by presenting satisfactory evidence of ability to do university work. This evidence may be demonstrated by scores on the General Education Development Test (GED). Admission will not be offered unless a student has a high school diploma or a satisfactory GED Test score. (Students in this category include those whose high school class has graduated and those over the age of 18.) Students must also take the ACT/SAT if not previously taken. If the student has been out of high school for seven years or more, this requirement is waived.

General Registration. Students who do not qualify for enrollment into one of the academic colleges may be considered for enrollment in the Division of General Registration. These students include Utah residents who have graduated from high school with less than a satisfactory index number, non-Utah residents who have graduated from high school with less than a satisfactory index number, transfer students from other institutions of higher learning with less than a 2.5 GPA, and former USU students with less than 90 credits seeking readmission with less than a 2.5 GPA.

When a student has demonstrated ability to maintain a GPA appropriate for the intended major, that student may apply for admission to an academic college and department through the Division of General Registration. Regular college admissions evaluation procedures will then be followed, and if there are no

Admission Index

Test Scores

Enhanced ACT	Recentered SAT	GPA																													
		4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1
36	1600	142	140	139	137	135	133	132	130	128	126	124	123	121	119	117	116	114	112	110	108	107	105	103	101	100	98	95	94	93	91
35	1560	140	138	137	135	133	131	130	128	126	124	122	121	119	117	115	114	112	110	108	106	105	103	101	99	98	96	94	92	91	89
34	1510	138	136	135	133	131	129	128	126	124	122	120	119	117	115	113	112	110	108	106	104	103	101	99	97	96	94	92	90	89	87
33	1460	136	134	133	131	129	127	126	124	122	120	118	117	115	113	111	110	108	106	104	102	101	99	97	95	94	92	90	88	87	85
32	1410	134	132	131	129	127	125	124	122	120	118	116	115	113	111	109	108	106	104	102	100	99	97	95	93	92	90	88	86	85	83
31	1360	133	131	130	128	126	124	123	121	119	117	115	114	112	110	108	107	105	103	101	99	98	96	94	92	91	89	87	85	84	82
30	1320	131	129	128	126	124	122	121	119	117	115	113	112	110	108	106	105	103	101	99	97	95	94	92	90	89	87	85	83	82	80
29	1280	129	127	126	124	122	120	119	117	115	113	111	110	108	106	104	103	101	99	97	95	94	92	90	88	87	85	83	81	80	78
28	1240	127	125	124	122	120	118	117	115	113	111	109	108	106	104	102	101	99	97	95	93	92	90	88	86	85	83	81	79	77	76
27	1210	126	124	123	121	119	117	116	114	112	110	108	107	105	103	101	100	98	95	94	92	91	89	87	85	84	82	80	78	77	75
26	1170	124	122	121	119	117	115	114	112	110	108	106	105	103	101	99	96	95	94	92	90	89	87	85	83	82	80	78	76	75	73
25	1130	122	120	119	117	115	113	112	110	108	105	104	103	101	99	97	95	94	92	90	88	87	85	83	81	80	78	76	74	73	71
24	1090	120	118	117	115	113	111	110	108	106	104	102	101	99	97	96	94	92	90	88	86	85	83	81	79	78	76	74	72	71	69
23	1060	118	116	115	113	111	109	108	106	104	102	100	99	97	95	93	92	90	88	86	84	83	81	79	77	76	74	72	70	69	67
22	1020	117	115	114	112	110	108	107	105	103	101	99	98	96	94	92	91	88	87	85	83	82	80	78	76	75	73	71	69	68	65
21	980	115	113	112	110	108	106	105	103	101	99	97	96	94	92	90	89	87	86	83	81	80	78	76	74	73	71	69	67	66	64
20	940	113	111	110	108	106	104	103	101	99	97	95	94	92	90	88	87	85	83	81	79	78	76	74	72	71	69	67	65	64	62
19	900	111	109	108	106	104	102	101	99	97	95	93	92	90	88	86	85	83	81	79	77	76	74	72	70	69	67	65	63	62	60
18	860	109	107	106	104	102	100	99	97	95	93	91	90	88	86	84	83	81	79	77	75	74	72	70	68	67	65	63	61	60	58
17	810	108	106	105	103	101	99	98	96	94	92	90	89	87	85	83	82	80	78	76	74	73	71	69	67	65	64	62	60	59	57
16	760	106	104	103	101	99	97	96	94	92	90	88	87	85	83	81	80	78	75	74	72	71	69	67	65	64	62	60	58	57	55
15	710	104	102	101	99	97	95	94	92	90	88	86	85	83	81	79	78	76	74	72	70	69	67	65	63	62	60	58	56	55	53
14	660	102	100	99	97	95	93	92	90	88	86	84	83	81	79	77	76	74	72	70	68	67	65	63	61	60	58	56	54	53	51
13	590	100	98	97	95	93	91	90	88	86	84	83	81	79	77	75	74	72	70	68	66	65	63	61	59	58	56	54	52	51	49
12	520	99	97	95	94	92	90	89	87	85	83	81	80	78	76	74	73	71	69	67	65	64	62	60	58	57	55	53	51	50	48
11	480	97	95	94	92	90	88	87	85	83	81	79	78	76	74	72	71	69	67	65	63	62	60	58	56	55	53	51	49	48	46
10	430	95	93	92	90	88	86	85	83	81	79	77	76	74	72	70	69	67	65	63	61	60	58	56	54	53	51	49	47	46	44
9	400	93	91	90	88	86	84	83	81	79	77	75	74	72	70	68	67	65	63	61	59	58	56	54	52	51	49	47	45	44	42
8	380	92	90	89	87	85	83	82	80	78	76	74	73	71	69	67	65	64	62	60	58	57	55	53	51	50	48	46	44	43	41
7	350	90	88	87	85	83	81	80	78	76	74	72	71	69	67	65	64	62	60	58	56	55	53	51	49	48	46	44	42	41	39
6	320	88	86	85	83	81	79	78	76	74	72	70	69	67	65	63	62	60	58	56	54	53	51	49	47	46	44	42	40	39	37
5	290	86	84	83	81	79	77	76	74	72	70	68	67	65	63	61	60	58	56	54	52	51	49	47	45	44	42	40	38	37	35

admissions restrictions, the student will be admitted to the department of his or her choice.

Advanced Placement. Students who present Advanced Placement examination scores of 3, 4, or 5 may receive 4 to 8 University credits for each Advanced Placement examination. These credits may be used to fill General Education requirements and to meet specific course requirements.

Credit by Special Examination. Matriculated students may challenge a course for credit by taking a special available challenge examination or a departmental examination. The examination must survey knowledge of course content and may include papers, projects, portfolios, etc. Students who take one of these examinations will receive the exam grade posted to their transcript for that course with a designation that it was earned by special examination.

University credit is awarded for examinations in courses the student has not already taken; students challenging a course in which they are registered must do so within the first two weeks of the course. Students not registered will be required to pay a fee (standard recording fee and course-specific examination fee).

The Testing Center has a listing of special available challenge exams, such as for American Institutions courses. Departments will determine if other courses are appropriate for challenge; students should contact the instructor and/or department. If a challenge exam is available, the instructor should advise the student as to whether he or she has a reasonable chance of passing. Students will have the final choice.

Credits earned by challenge exam cannot be used toward a graduate degree nor be used to meet the minimum USU course requirement.

Application forms for permission to take special examinations are available in the Records Office, SC 246.

CLEP General Exams. Up to 30 credits may be acquired through the College Level Examination Placement (CLEP) general examinations. These credits may be used to fill General Education requirements, but are not designed to meet specific course requirements.

CLEP Subject Exams. Many of the CLEP subject examinations are also accepted as equivalent to specific courses. For a complete list of examinations accepted and scores necessary to receive credit, inquire at Testing Services, University Inn 115, (435) 797-1004.

If a student has received credit (including AP credit) for any coursework that is related to the subject matter of a CLEP examination, prior to taking the CLEP examination, the credits earned from the course will be *deducted* from the earned CLEP credits.

International Baccalaureate. USU recognizes the International Baccalaureate diploma and awards credits for General Education requirements, excluding the Breadth American Institutions, Communications Literacy, and mathematics Quantitative Literacy requirements necessary for graduation.

Students who have not completed the International Baccalaureate diploma receive 8 credits for scores of 5, 6, or 7 achieved on the higher-level exams.

Credit achieved through the International Baccalaureate examinations may not be duplicated with AP credit.

Credit for Military Service. The University may grant credit to students currently enrolled at the University who have served in the armed forces. Applications for credit are made by submitting the DD214 or DD295 form to the Office of Admissions.

Army/ACE Registry Transcript System (AARTS). Enlisted soldiers who entered active duty on or after October 1, 1981 are

eligible for an AARTS transcript. However, the AARTS transcript is *not available* to members of the U.S. Army Reserve, warrant officers, or commissioned officers. Those students who are eligible for an AARTS transcript and who are seeking credit for military service in the **Army** should provide the Admissions Office with an AARTS transcript *instead of* the DD214 or DD295 form. Eligible students may obtain transcript request forms from their Army education center counselors, or they may write directly to: Manager, AARTS Operations Center, 415 McPherson Avenue, Ft. Leavenworth KS 66027-1373. Each request must include the student's name, basic active service date, social security number, and current mailing address.

Veterans Educational Benefits. Veterans or qualified dependents of disabled or deceased veterans who may be eligible for Veterans Educational Benefits should contact the Office of Veterans Services, or telephone (435) 797-1102 for information concerning their educational benefits. Veterans or eligible dependents must make application for admission and be matriculated in a degree program.

Transfer Student Admission. Applicants with at least 45 quarter or 30 semester credits earned at another accredited institution will be considered for admission if they have a cumulative GPA of 2.2 or higher. Many USU undergraduate majors require a higher GPA for admissions. For specific GPA requirements, refer to this catalog or consult the departments. Transfer students with more than 45 quarter or 30 semester credits and with less than a 2.2 GPA will be considered for admission to General Registration on an individual basis (if they have less than 90 total credits).

Official transcripts of credit must accompany applications for admission when submitted by students who have attended other collegiate institutions. Transcripts submitted for admission become the property of the University and are not returned. *Transcripts from all institutions previously attended are required.*

At its discretion, the University may accept transfer credit from accredited and nonaccredited institutions and miscellaneous sources. These may include:

(1) accredited institutions, (2) foreign universities, (3) U.S. military credit for approved job and educational experiences, (4) credit by examination, (5) miscellaneous sources: internships, nontraditional learning experiences.

The following evaluation criteria for acceptance will be used:

(1) accreditation status of the institution, (2) recognized national standards published by the American Association of Collegiate Registrars and by the American Council on Education, (3) guidelines given by the State Board of Regents (including guidelines for CLEP and AP credit), and (4) recommendations given by various University units having appropriate academic competence, including: Faculty Senate, college and departmental curriculum committees.

Utah State University does not accept transfer credit from nonaccredited institutions in those cases where USU lacks an academic unit to evaluate such transfer credits.

Credit Transfer Policy of Utah System. An Associate of Arts or an Associate of Science degree earned at any institution within the Utah System of Higher Education, or at other non-Utah institutions with articulation agreements, will be considered as meeting the General Education requirement of any institution in the system. (At USU, this satisfies the General Education portion of the University Studies requirements.) When the General Education requirements of an institution not offering the Associate of

Arts or Associate of Science degree have been met in earning a 60 to 63 semester credit hour diploma, a Registrar's certification that the transferring student has completed baccalaureate-level General Education requirements at the sending institution will be accepted by the receiving USHE institution in lieu of the AA/AS degree. In the latter case, the Registrar at the sending institution will forward to the receiving institution an up-to-date description of the General Education requirements.

Credit for quarter courses numbered 100 or above, or for semester courses numbered 1000 or above, earned in the Utah System of Higher Education is transferable within the System and will be carried on the student's transcript by the receiving institution. **Acceptance of credit should not be confused with its application. Transfer credit may or may not apply to the graduation requirements of an institution, regardless of the number of credits transferred.** Credit other than that intended wholly to meet the General Education requirements of the receiving institution will be applied on the basis of the appropriateness of credit to a particular institution's specific degree program requirements as determined by the receiving institution.

For more transfer student information, including agreements with other states, see pages 64-65 of this catalog.

International Undergraduate Student Admission. The following fees, documents, and information should be submitted to the Admissions Office three months (March 1, summer semester; June 1, fall semester; October 1, spring semester) prior to the beginning of the semester for which an international student wishes to be considered for admission:

1. Utah State University application for admission for students outside the United States and a \$35 application fee.
2. One copy of official transcripts and certificates or certified true copies for each secondary school, college, and university attended with official English translation of all documents.
3. Evidence of financial capability must be provided with the application, as specified on the application form.
4. International students must be proficient in the use of English. Proficiency is determined for undergraduates by a minimum TOEFL score of 500 on the manual test, 173 on the computerized test, or a Michigan test score of 80, or by passing level 4 (advanced level) of the Intensive English program at Utah State University. For graduate students, proficiency is determined by a minimum TOEFL score of 550 on the manual test, 213 on the computerized test, or passing level 4 (advanced level) of Intensive English at Utah State University.

Qualified students in level 4 (advanced level) of Intensive English may take one or more academic courses if approved by the Intensive English staff and their University advisor. Graduate students need the additional approval of the Dean of Graduate Studies. Students at any level may audit academic courses with instructor's approval. Audited courses are not recognized by the U.S. Immigration Service toward the requirement of carrying a full course of study.

Failure to carry a full course of study (at least 12 credit hours per semester for undergraduates), or failure to make satisfactory progress towards the receipt of an undergraduate or advanced degree, or failure to comply with any other immigration requirements for students attending USU, will be grounds for suspension or dismissal in accordance with existing University policy.

Graduate Admission. Any student who has graduated from USU or any other university must apply to the School of Graduate Studies for admission and present two copies of an official transcript.

Readmission. Students who were in attendance the previous spring semester are not required to reapply for fall semester unless the student withdrew from the University or if suspension or graduation occurred at the conclusion of the spring semester. Former students of the University returning after an absence of two or more semesters are required to file applications for readmission.

Residency Application and Appeal. Nonresident students who feel they have met the requirements for in-state resident student status must file an official residency application with the Residency Office, Taggart Student Center 246, **no later than 10 calendar days from the first class day and not more than 30 days before the beginning of the semester for which residency is sought.** Those missing the application deadline will have residency considered for the next semester, provided that the next appropriate deadline is met with adequate updated documentation.

If an application is denied by the Residency Officer, the student may appeal to the Residency Appeals Committee no later than the 14th calendar day of the semester. Appeals cannot be considered after this deadline.

Procedures concerning residency are as follows:

1. Persons claiming residency on their application for admission, but who are coded nonresident, will be notified in writing of their nonresident status.

2. Definition of a resident student

(a) Students who attend the University on a full-time basis are presumed to have moved to Utah for the purpose of attending an institution of higher education and are nonresidents for tuition purposes. The burden of rebutting this presumption is upon the person seeking resident status. Mere presence in the state is not sufficient for establishing residency. This presence must be coupled with clear and convincing evidence that a person has established a domicile in the state beyond the circumstance of being a student and that the student does not maintain a residence elsewhere.

(b) Aliens who are present in the United States on visitor, student, or other visas which authorize only temporary presence in this country do not have the capacity to intend to reside in Utah for an indefinite period and therefore must be classified as nonresident.

(c) Aliens who have been granted immigrant or permanent resident status in the United States shall be classified for purposes of resident status according to the same criteria as citizens.

(d) Any American Indian who is enrolled on the tribal rolls of a tribe whose reservation or trust lands lie partly or wholly within Utah or whose border is at any point contiguous with the border of Utah or any American Indian who is a member of a federally recognized or known Utah tribe and who has graduated from a high school in Utah, shall be entitled to resident status.

3. Handouts listing the policy and deadlines will be provided to students who inquire about residency.

Western Undergraduate Exchange. Utah State University participates in the Western Undergraduate Exchange (WUE), a program of the Western Interstate Commission for Higher Education. Through WUE, certain students who are not residents of the State of Utah may enroll at Utah State University in designated programs, paying resident tuition plus 50 percent of that amount (plus other fees that are paid by all students).

Because Utah State University participates, residents of Utah may enroll under the same terms in designated institutions and programs in other participating states.

Information about and applications for WUE programs available at USU may be obtained from the USU Recruitment/Enrollment Services Office, 0160 Old Main Hill, Logan UT 84322-0160, tel. (435) 797-1129 or 1-800-488-8108. Utah residents may obtain information about WUE programs in other states from the Certifying Officer for Utah WICHE Student Exchange Program, #3 Triad Center, Suite 550, 355 West North Temple, Salt Lake City UT 84180-1205, tel. (801) 321-7124 or from WICHE Student Exchange Program, P.O. Box 9752, Boulder CO 80301-9752, tel. (303) 541-0214 or 0210, FAX (303) 541-0291.

Cooperative education and/or internships. Cooperative education involves faculty and employers in a partnership to provide a student with a blend of academic and on-the-job experiences. Interested students should contact their academic department or the Office of Cooperative Education, UI 102.

New Student Orientation

Orientation for All New USU Undergraduate Students

Newly admitted students, both first-year and transfer, must participate in a Student Orientation, Advising, and Registration (SOAR) session before being permitted to register for classes. SOAR is designed to assist students in making a successful transition to USU. In addition to registering for classes, students have the opportunity to receive individual advice about degree requirements, as well as vital information about student services, campus life, and athletics. SOAR also gives students a chance to make new friends. New students should be aware that a *registration hold* is placed on their file until some form of orientation is completed. After admission to USU, students will receive information about SOAR programs. For further information or to receive a SOAR application, call New Student Orientation at (435) 797-0283 or 1-800-606-4878.

Academic Advising

Upon admission to USU, all new students are assigned to an academic advisor. During the New Student Orientation, students meet with their advisors, plan their class schedules, and register for classes. Advising is the process encompassing development and delivery of accurate and up-to-date information regarding career options, educational programs, courses of instruction, resources, policies, and procedures to aid students in pursuing their educational goals.

Each student should consult with his or her academic advisor on a regular basis, and as needed, until the student's program of study is completed. The advisor can help the student to select, plan, and complete a program of study which is consistent with the student's interests, abilities, and needs, and can assist the student in selecting appropriate courses in the proper sequence to complete all requirements for graduation.

Each student is responsible for learning and completing graduation requirements for academic programs selected. Major Requirement Sheets showing University, college, and departmental requirements for each academic program are provided by the student's academic department or college, and all sheets are also available in the Office of Advising and Transition Services. This office provides students with information and advisement concerning University academic requirements, policies, procedures, programs, and services.

The College or Division Academic Service Centers provide students with information and advisement concerning academic requirements, policies, procedures, programs, and services of that college or division. A listing of Academic Service Centers is provided below:

Advising and Transition Services—SC 304, (435) 797-3373

College Academic Service Centers

College of Agriculture, AG SC 218, (435) 797-7340
 College of Business, BUS 306, (435) 797-2274
 College of Education, EDUC 101, (435) 797-1443
 College of Engineering, EL 241, (435) 797-2705
 College of Family Life, FL 205A, (435) 797-1530
 College of Humanities, Arts and Social Sciences, SC 302,
 (435) 797-4029
 College of Natural Resources, NR 112, (435) 797-2448
 College of Science, ESLC 245, (435) 797-2478

Advisement for General Registration students, Undeclared Majors, and Liberal Arts and Sciences Program

Science/HASS Advising Center, SC 302, (435) 797-3883

An *Advisor List by Major* is available on the web at:
<http://www.usu.edu/ats>.

Undergraduate Graduation Requirements

At the undergraduate level, the University offers an Associate of Applied Science degree, the degrees of Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Landscape Architecture, Bachelor of Music, and Bachelor of Science, and provides coursework which will satisfy requirements for all professional certificates issued by the State Board of Public Instruction. Certificates and diplomas are offered for one- and two-year programs in certain departments.

For information about graduate degrees and majors offered by USU, see page 70 of this catalog.

Certificates, Diplomas, and Associate of Applied Science Degrees

Certificates, diplomas, and Associate of Applied Science degrees are awarded for completion of less-than-baccalaureate programs at Utah State University. As defined by the Utah State Board of Regents, a certificate is awarded upon the successful completion of a program directly oriented toward job entry when the program is of a duration of 18 months or less (1-48 semester credit hours). The Regents define a diploma or Associate of Applied Science program as one directly oriented toward job entry when the program is of a duration of 19-36 months (49-96 semester credit hours).

The Colleges of Agriculture, Business, Engineering, and Humanities, Arts and Social Sciences offer one- and two-year programs leading to certificates, diplomas, and Associate of Applied Science degrees. One-year certificate programs are available in dairy technology, agricultural machinery technology, and ornamental horticulture. Associate of Applied Science degrees include aeronautics, technical drafting, agricultural machinery technology, office systems support, and ornamental horticulture. The Music Department offers two-year diploma programs and certificates in the areas of Piano, Organ, Church Music, and Guitar.

In most cases, the courses in the diploma and Associate of Applied Science programs are arranged so that, at a later date, the four-year baccalaureate program can be completed with a minimum loss of time.

Associate of Applied Science Degree

A minimum of 60 credit hours is required for an Associate of Applied Science degree. Requirements include coursework in the following areas: primary area of study, related area, general education, and electives. Candidates for an Associate of Applied Science degree must complete at least 15 USU credits at USU's Logan campus or designated centers, or through classes offered by distance education through USU. Ten of the required USU credits must be included within the last 20 credits presented for the degree.

See department offerings for specific requirements. Associate of Applied Science degrees are offered in the following areas: aeronautics, technical drafting, office systems support, ornamental horticulture, and agricultural machinery technology.

Bachelor's Degrees

The University confers the baccalaureate degree upon students who meet the specified requirements of any of the eight resident colleges.

Graduates of the Colleges of Engineering and Natural Resources are eligible to receive the Bachelor of Science degree. The Bachelor of Arts degree is not offered in these colleges, with the exception of the Department of Geography and Earth Resources, where Bachelor of Science and Bachelor of Arts degrees are offered.

Graduates of the Colleges of Agriculture, Business, Education, Family Life, and Science may be awarded the Bachelor of Science degree or the Bachelor of Arts degree as recommended by the student's individual department and approved by the dean of the college.

Graduates of the College of Humanities, Arts and Social Sciences may be awarded the Bachelor of Science Degree, the Bachelor of Arts degree, the Bachelor of Fine Arts degree, the Bachelor of Landscape Architecture degree, or the Bachelor of Music degree as recommended by the student's individual department and approved by the dean of the college.

All graduates, regardless of the type of degree, must satisfy University Studies general education and depth education requirements.

Bachelor of Arts Degree

All students who receive the Bachelor of Arts degree must have completed two years' training or equivalent in a foreign language approved by the Languages and Philosophy Department. One year or equivalent in each of two foreign languages may also satisfy the foreign language requirement for the BA degree. Specifically, the BA language requirement may be completed in one of the following ways:

1. Completion of 16 credits in one foreign language.
2. Completion of 20 credits in two foreign languages.
3. In general, completion of course number 2020 in one of the foreign languages or an upper-division (3000-level or above) foreign language grammar or literature course. Conversation classes generally cannot be considered in satisfying this requirement.
4. Successful completion of the Intensive English Language Institute (IELI) program for international students.
5. TOEFL, Michigan, or IELI placement scores high enough to meet the University admission criteria.

Bachelor's Degree Requirements

Academic Program Requirement. All graduates are required to complete an approved academic program in one of the eight resident colleges.

American Institutions. All graduates are required to have an understanding of the fundamentals of the history, principles, form of government, and economic system of the United States. Students may meet this requirement in any one of the following

ways: (a) receiving a passing grade on a special examination; (b) receiving a grade of three or better on the Advanced Placement Examination in American History; (c) satisfactory completion of: USU 1300 or Honors 1300H; Economics 1500; History 1700, 2700, or 2710; or Political Science 1100; or (d) satisfactory completion of a transfer course equivalent to one of the courses in (c).

University Studies. Completion of the University Studies general education and depth education requirements. (See pages 56-63.)

Upper-Division Credits. Completion of a minimum of 40 credits numbered 3000 or above.

Total Credits. A minimum of 120 credits of acceptable collegiate work and a minimum of 100 credits with a grade of C- or better.

GPA. In order to graduate, students must meet all GPA requirements for their major. These requirements can be found in the *Instructional Units and Programs* section of this catalog. USU credits *only* are used in computing the GPA.

Major. Each student must complete all requirements for an approved program of study. This program is comprised of up to 80 credits, which include the major, certification requirements, and all other required major coursework. The program of study for each major is described in the appropriate departmental section of this catalog and on the major requirement sheets, which can be obtained from the department, the college, or the Office of Admission and Transition Services.

Students should select a major subject upon entering the University or early the first year, but not later than entrance into the upper division. As soon as the major subject has been selected, the student should contact the department in which he or she has decided to major. The dean or the head of the department will assign an advisor. Registration in each succeeding semester should be carefully checked and approved by the advisor to assure proper selection of courses for satisfying institutional and departmental requirements. If more than one major is being pursued concurrently, departmental and college authorization must be obtained.

Students who have completed at least 60 credits (not including AP, CLEP, and concurrent enrollment) and one USU semester must be accepted into a department or be admitted to General Registration before they are allowed to register for additional work. To enforce this policy, a hold will be placed on the student's registration.

The selection of a major(s), the fulfillment of requirements, and a choice of a career or vocation are the responsibility of the student. The University does not assume responsibility for these choices nor for successful employment upon completion of University programs. However, to aid in these choices, the University provides advising, counseling, and testing services for self-evaluation and information about careers and employment opportunities. Career Services assists students in all aspects of their career search.

Changing a Major. When a change of major is desired, a student must go to the department office and dean's office of the college in which he or she is presently enrolled to initiate the proper paperwork. If he or she is changing majors within the same college, the dean's office may complete the required form, have it signed, and have it received by the Registrar's Office. When a stu-

dent is changing colleges, signatures of both department heads and deans are required on the form. After the form is received by the Registrar's Office, the major is changed and the information becomes part of the student's file.

Minor. USU does not require that all students complete a minor. However, some departments and/or programs do require completion of a minor, which is described in the catalog statement of the department or program. When a minor is required, it is part of the professional component.

USU Courses. Candidates for a bachelor's degree must complete at least 30 USU credits at USU's Logan campus or designated centers, or through classes offered by distance education through USU. Ten of the required USU credits must be included within the last 40 credits presented for the degree.

Candidates for an associate degree must complete at least 15 USU credits at USU's Logan campus or designated centers, or through classes offered by distance education through USU. Ten of the required USU credits must be included within the last 20 credits presented for the degree.

Upon recommendation of the department and with the concurrence of the college dean, a candidate for a degree may complete, when appropriate, the minimum requirements for USU credits through USU courses taken away from the USU Logan campus.

Independent Study Credits. The maximum amount of independent study credit which may be applied toward a bachelor's degree is 30 credits.

Credit by Examination. Some noncollegiate experiences may permit credit through challenge and foreign language examinations. For further information, see page 50.

Community College Credit. No more than 80 credits of transfer credit from community colleges may be applied toward graduation.

Remedial Courses. Remedial courses (numbered below 1000), cannot be used to satisfy baccalaureate requirements.

Honors. To qualify for graduation honors, a student must have completed a minimum of 40 USU semester credits. USU designated honors at graduation are:

Summa Cum Laude	3.950 to 4.000 GPA
Magna Cum Laude	3.800 to 3.949 GPA
Cum Laude	3.500 to 3.799 GPA

These grade point averages are USU cumulative GPAs. Transfer credits are not considered in determining eligibility for graduation honors.

General Information

Extension and Independent Study. Applicants for degrees who have taken courses for credit through extension classwork or Independent Study courses are subject to regular University admission requirements and must file transcripts of all university credit with the Office of Admissions.

Financial Obligations. Students are reminded that nonpayment of fees owed to the University may result in withholding of diplomas or certificates.

Independent Study. Grades for Independent Study courses must be completed and on file in the Records Office by the last day of the semester of intended graduation.

Incomplete Grades. Incomplete grades must be made up and on file in the Records Office no later than the last day of the semester for which the candidate is applying for graduation.

Changes in Graduation Requirements. Students are expected to familiarize themselves with the rules and regulations of both the University and their specific major. Detailed information concerning graduation requirements is available in this catalog as part of the departmental descriptions. Responsibility for satisfying all graduation requirements rests upon the student. Utah State University reserves the right to change graduation requirements at any time. Students who can complete a baccalaureate degree within seven years of enrollment at USU can qualify for graduation by meeting (1) the General Education/University Studies requirements in effect when they initially enrolled and (2) the major requirements in effect when they officially declared their major, even though there may have been changes in General Education/University Studies and major requirements since that time. Students who have not completed the baccalaureate requirements within seven years of their initial enrollment at USU must have their General Education/University Studies and major requirements evaluated and approved by their department head and dean. Exceptions to this seven-year policy may be necessary for mandated changes in degree requirements.

Applying for Graduation

Undergraduate candidates for graduation must have completed the application process by having an application on file and fees paid to the Cashiers Office. The application deadline is October 15 for spring semester graduates and February 15 for summer or fall semester graduates. Late applicants will be assessed a \$10 late fee.

The application process is as follows: (1) Request an application from the Registrar's Office, (2) Return with picture ID to the Registrar's Office on the specified date and pick up the application for candidacy for graduation packet, (3) Carefully review the graduation application instructions, (4) Submit the application to departmental advisor and college dean for review and signatures (double majors must have the appropriate signatures for each major), (5) Complete the graduating student survey, and (6) Submit the graduation packet to the Cashiers Office (SC 228) and pay the application fee of \$10. *Approximately one month is needed to complete the application process.*

Names of the candidates will appear on the graduation lists and diplomas as they appear on the student's transcript.

To change the name appearing on the transcript, the student must fill out the appropriate form in the Registrar's Office and bring an official document (i.e., driver license, marriage certificate, etc.).

Reapplication for Graduation. Students who do not successfully complete graduation requirements by the end of spring semester must reapply for graduation for the new academic year.

Commencement

Candidates who completed requirements and received their diplomas at the end of summer or fall semester are invited and encouraged to attend commencement exercises with the spring semester graduates.

Attendance at Commencement is expected of all candidates. If unable to attend, the student must notify the dean of his or her college and be officially excused in advance. Also, the student must notify the Graduation Office of the address to which the diploma is to be sent. Participation in commencement exercises does not ensure that the candidate has satisfied graduation requirements.

Second Bachelor's Degree

A second bachelor's degree is available only to those on whom a first bachelor's degree has been conferred. Students must complete a minimum of 30 USU credits beyond those applied toward the first bachelor's degree, 18 of which must be earned in department-approved upper-division courses related to the major. USU credits may be earned in courses completed at USU's Logan campus or at designated centers, or through classes offered by distance education through USU. Candidates for a second bachelor's degree must file an application with the Admissions Office and obtain the recommendation of their academic dean.

Candidates for a second bachelor's degree must have met the American Institutions requirement in the first bachelor's degree, or complete the requirement before receiving the second bachelor's degree.

Note: The first bachelor's degree must have been awarded by an accredited college or university.

Split Form

A student who is within 30 credit hours of completing a baccalaureate degree may file a Split Form showing division of classes between two undergraduate degrees, or an undergraduate and graduate degree. **These classes must be identified each semester on a Split Form.**

For a second bachelor's degree, an Application for Admission to the second bachelor's degree program must be submitted to the Admissions Office. A Split Form must be obtained from the Graduation Office and be filed prior to the posting of grades for the semester in which the request is submitted. The form must be signed by the student's advisor and the college dean of both majors. Students working on their first and second bachelor's degrees simultaneously are also required to submit a Split Form.

For more information about dividing classes between an undergraduate and a graduate degree, see *Split Form Policy* (page 74).

USU University Studies Requirements

(General Education and Depth Education)

University Studies Objectives: The Citizen Scholar

The mission of undergraduate education at Utah State University is to help students develop intellectually, personally, and culturally, so that they may serve the people of Utah, the nation, and the world. USU prepares citizen-scholars who participate and lead in local, regional, national, and global communities. University Studies is an integral part of every student's experience—in both lower-division and upper-division courses. A solid University Studies foundation, combined with concentrated study in a major discipline and interdisciplinary studies, provides the breadth and depth of knowledge qualifying USU graduates as educated citizens.

The University Studies program is intended to help students learn how to learn—not just for the present, but also for the future. No individual can master all, or even a small portion, of society's knowledge, but students can learn the basic patterns used to obtain and organize information, enabling them to discover or recover knowledge. University Studies involves a series of interrelated educational experiences which stimulate and assist students in becoming self-reliant scholars and individuals. The ultimate objective is for general and discipline-specific education to complement each other in helping students to:

1. understand processes of acquiring knowledge and information;
2. reason logically, critically, creatively, and independently, and be able to address problems in a broad context;
3. recognize different ways of thinking, creating, expressing, and communicating through a variety of media;
4. understand diversity in value systems and cultures in an interdependent world; and
5. develop a capacity for self-assessment and lifelong learning.

By introducing ideas and issues in human thought and experience, University Studies courses help students achieve the intellectual integration and awareness needed to meet the challenges they will face in their personal, social, and professional lives. University Studies courses emphasize how knowledge is achieved and applied in different domains. Collectively, they provide a foundation and perspective for:

1. understanding the nature, history, and methods of the arts and humanities, as well as the natural and physical sciences;
2. understanding the cultural, historical, and natural contexts shaping the human experience; and
3. interpreting the important cultural, socio-economic, scientific, and technological issues of the diverse global community in which we live.

A university education prepares students to work and live meaningfully in today's rapidly changing global society. Together, general and discipline-specific education help students master the essential competencies making this goal possible. These competencies include:

1. reading, listening, and viewing for comprehension;
2. communicating effectively for various purposes and audiences;
3. understanding and applying mathematics and other quantitative reasoning techniques;
4. using various technologies competently; and
5. working effectively, both collaboratively and individually.

University Studies Requirements

The University Studies program, along with study in the major, is designed to assist students in achieving the Citizen Scholar Objectives. The program consists of two sets of requirements: General Education Requirements and Depth Education Requirements. Students who have received an AA or AS degree at any institution within the Utah System of Higher Education, or at another institution with which USU has an articulation agreement, will be considered to have fulfilled the General Education Requirements, but must still complete the Depth Education Requirements.

Students who transfer to Utah State University with less than an Associate Degree (and have not completed General Education requirements) or with an Associate of Applied Science Degree will have their General Education courses evaluated on a course-by-course basis and may be required to take any additional courses necessary to satisfy the General Education requirements at Utah State University. However, if these students have taken equivalent General Education courses at the sending institution, these courses will be accepted toward satisfying General Education requirements at Utah State University.

Courses approved as fulfilling General Education requirements at a Utah System of Higher Education (USHE) institution, Brigham Young University, LDS Business College, Westminster College, and Brigham Young University—Idaho (Ricks College) will be acceptable to Utah State University as satisfying comparable General Education requirements.

General Education Requirements (27-31 credits)

USU's General Education program consists of two sets of requirements: Competency and Breadth.

Competency Requirements (9-13 credits)

The Citizen Scholar Objectives propose that students should be able to communicate effectively, utilize quantitative methods, make appropriate use of technology, and function effectively in groups. The competency requirements are structured to develop these skills.

Communications Literacy (CL) (6 credits)

Engl 1010 (CL). Introduction to Writing: Academic Prose. (3)

Or

AP English Test: Score of 3 or better

Or

ACT English Test: Score of 29 or better

Or

CLEP English Test: Score of 50 or better (500 or better prior to Fall 2001)

Or

SAT Verbal Test: Score of 640 or better

AND

Engl 2010 (CL). Intermediate Writing: Research Writing in a Persuasive Mode. (3)

Quantitative Literacy (QL) (3-4 credits)

Math 1030 (QL). Quantitative Reasoning. (3)

Or

Math 1050 (QL). College Algebra. (4)

Or

Stat 1040 (QL). Introduction to Statistics. (3)

Or

One Mathematics or Statistics course requiring Math 1050 as a prerequisite

Or

AP Calculus AB Test: Score of 3 or better

Or

AP Calculus BC Test: Score of 3 or better

Computer and Information Literacy (CIL) (0-3 credits)

No specific course is required, but students must pass a competency exam in computer and information literacy. Communications Literacy, Quantitative Literacy, and Breadth courses associated with University Studies are intended to further develop these skills.

The Computer and Information Literacy exam has six parts:

1. Electronic Mail
2. Ethics of Computer-Assisted Information Access and Use
3. Information Resources
4. Operating Systems and Environments
5. Document Preparation
6. Spreadsheets

Students must score 70 percent or higher on each exam to pass. A student has met the requirement only after he or she has passed all six examinations. There is no college credit associated with this requirement. While some college credit classes (USU 1000, BIS 1400, CS 1020, Engr 1010, and InsT 1000) teach the required skills, simply passing the class does not meet the requirement. Only by passing all of the six CIL modules is the CIL requirement met. It is *strongly suggested* that students complete the CIL requirement during their freshman year.

There is a \$30 fee associated with this exam. Students having less than 60 semester credits when they register for their first semester at USU will be assessed a

\$30 Computer and Information Literacy (CIL) fee. (If a student can show proof that the CIL requirement has been met at another Utah institution, the \$30 fee will be credited to the student's account.)

Once the fee is paid, there is no limit to the number of times a student can take each test. Once a test is passed, a student may not retake that test. After all tests are passed, students must go to the CIL web page, select **Recording on Transcript**, and then complete and submit the form. The CIL information will then be posted to their transcripts.

To learn more about the CIL requirement, visit the following website:
<http://complit.usu.edu>.

Breadth Requirements (18 credits)

General Education breadth requirements are intended to introduce students to the nature, history, and methods of different disciplines; and to help students understand the cultural, historical, and natural contexts shaping the human experience. Breadth courses also focus on the important cultural, socio-economic, scientific, and technological issues of today's global community.

Students must take a minimum of 18 total credits, including at least one course from each of the six categories shown below.

At least two of the six breadth courses must be University Studies courses (USU 1300, 1320, 1330, 1340, 1350, and 1360). Students enrolled in the Honors Program may substitute Honr 1300H, 1310H, 1320H, 1330H, and 1340H for USU 1300, 1320, 1330, 1340, 1350, and 1360. (Honr 1310H may be substituted for *either* USU 1350 or 1360.) **Prerequisites are required for breadth courses followed by (prereq.). For details, see course listings in the *Instructional Units and Programs* section of this catalog.**

Breadth American Institutions (BAI)

One of the following courses:

USU 1300 (BAI). U.S. Institutions. (3)

Econ 1500 (BAI). Introduction to Economic Institutions, History, and Principles. (3)

Hist 1700 (BAI). American Civilization. (3)

Hist 2700 (BAI). United States to 1877. (3)

Hist 2710 (BAI). United States 1877-Present. (3)

Honr 1300H (BAI). U.S. Institutions. (3)

PolS 1100 (BAI). United States Government and Politics. (3)

Or

AP Macroeconomics Test: Score of 3 or higher

Or

AP U.S. Government and Politics Test: Score of 3 or higher

Or

AP U.S. History Test: Score of 3 or higher

Or

CLEP Principles of Macroeconomics Test: Score of 53 or higher
(48 or higher prior to Fall 2001)

Breadth Creative Arts (BCA)

One of the following courses:

USU 1330 (BCA). Civilization: Creative Arts. (3)

Art 1100 (BCA). Exploring Art. (3)

Art 1110 (BCA). Drawing I. (3)

Art 1120 (BCA). Two-dimensional Design. (3)

HEnv 1750 (BCA). Design in Everyday Living. (3)

HEnv 1790 (BCA). Interior Design Theory. (3)

Honr 1330H (BCA). Civilization: Creative Arts. (3)

LAEP 1030 (BCA). Introduction to Landscape Architecture. (3)

Musc 1010 (BCA). Introduction to Music. (3)

Musc 1020 (BCA). Fundamentals of Music. (3)

Thea 1010 (BCA). Understanding Theatre. (3)

Thea 1020 (BCA). Introduction to Film. (3)

Or

AP Art Studio Drawing Test: Score of 3 or higher

Or

AP Art Studio General Test: Score of 3 or higher

Or

AP Music Listening Test: Score of 3 or higher

Or

AP Music Theory Test: Score of 3 or higher

Or

The following course (for **Music** and **Music Therapy** majors only):

Musc 1120. Music Theory II. (3)

Or

The following course (for **Theatre Arts** majors only):

Thea 1210. Introduction to Playscript Analysis. (3)

Breadth Humanities (BHU)

One of the following courses:

USU 1320 (BHU). Civilization: Humanities. (3)

Art 2710 (BHU). Survey of Western Art: Prehistoric to Medieval. (3)

Art 2720 (BHU). Survey of Western Art: Renaissance to Post-Modern. (3)

Engl 1030 (BHU). Understanding Literature. (3)

Engl/Hist/Anth 1710 (BHU). Introduction to Folklore. (3)

Engl 2030 (BHU). Introduction to Shakespeare. (3)

Engl/Hist 2040 (BHU). British and Commonwealth Cultures. (3)

Hist 1020 (BHU). Cultural and Economic Exchange in the Pre-Nineteenth Century World. (3)

Hist 1030 (BHU). The Modern World. (3)

Hist 1040 (BHU). Foundations of Western Civilization: Ancient and Medieval. (3)

Hist 1050 (BHU). Foundations of Western Civilization: Modern. (3)

Hist 1060 (BHU). Introduction to Islamic Civilization. (3)

Honr 1320H (BHU). Civilization: Humanities. (3)

Phil 1010 (BHU). Introduction to Philosophy. (3)

Phil 1200 (BHU). Practical Logic. (3)

Phil 2400 (BHU). Ethics. (3)

Phil 2500 (BHU). Social Ethics. (3)

Thea 1030 (BHU). Exploring Performance Through Aesthetic Texts. (3)

Or

AP Art History Test: Score of 3 or higher

Or

AP European History Test: Score of 3 or higher

Or

CLEP General Humanities Test: Score of 47 or higher (480 or higher prior to Fall 2001)

Or

CLEP Analysis and Interpretations of Literature Test: Score of 52 or higher (49 or higher prior to Fall 2001)

Or

CLEP Western Civilization I: Ancient to 1648 Test: Score of 47 or higher prior to Fall 2001 (new computer-based score to be determined)

Or

CLEP Western Civilization II: 1648 to Present Test: Score of 47 or higher prior to Fall 2001 (new computer-based score to be determined)

Or

One of the following courses (for **American Studies** and **English** majors only):

Engl 2160. American Literary History: Colonialism to 1865. (3)

Engl 2170. American Literary History: 1865 to Present. (3)

Or

One of the following courses (for **French** majors only):

Fren 3550. French Civilization. (3)

Fren 3600. Introduction to French Literature. (3)

Or

One of the following courses (for **German** majors only):

Germ 3000. Introduction to German Studies. (3)

Germ 3300. Contemporary German Speaking Cultures. (3)

Or

The following course (for **Spanish** majors only):

Span 3050. Introduction to Literature and Composition. (3)

Breadth Life Sciences (BLS) or (BSC)

One of the following courses:

USU 1350 (BLS). Integrated Life Science. (3)

Anth 1020 (BLS). Biological Anthropology. (3)

Biol 1010 (BLS). Biology and the Citizen. (3)

Biol 1210 (BLS). Biology I. (4) **and**

Biol 3300 (BLS). General Microbiology. (4) (prereq.)

(**Both** Biol 1210 *and* 3300 must be taken. This option is available *only* to students majoring in Biological Engineering *or* Environmental Engineering.)

Biol 1220 (BLS). Biology II. (4) (prereq.)

FW 1200 (BLS). Biodiversity: Its Conservation and Future. (3)

Honr 1310H (BSC). Integrated Science. (3)

NFS 1020 (BLS). Science and Application of Human Nutrition. (3)

PISc 2000 (BLS). Plants, Genes, and Agriculture. (3) (prereq.)

RLR/FW 2200 (BLS). Ecology of Our Changing World. (3)

Or

AP Biology Test: Score of 3 or higher

Or

AP Environmental Studies Test: Score of 3 or higher

Or

CLEP General Examination for Natural Science (Biological Science) Test: Score of 47 or higher (480 or higher prior to Fall 2001)

Or

CLEP Subject Examination for General Biology Test: Score of 46 or higher prior to Fall 2001 (new computer-based score to be determined)

Or

The following course (for **Physical Education** majors only):

Biol 2000. Human Physiology. (4)

Breadth Physical Sciences (BPS) or (BSC)

One of the following courses:

USU 1360 (BPS). Integrated Physical Science. (3)

Bmet 2000 (BPS). The Atmosphere and Weather. (3)

Chem 1010 (BPS). Introduction to Chemistry. (3)

Chem 1120 (BPS). General Chemistry II. (4) (prereq.)

Chem 1220 (BPS). Principles of Chemistry II. (4) (prereq.)

CS 1010 (BPS). Foundations of Computer Science. (3)

Geog/NR 1130 (BPS). Physical Geography. (3)

Geol 1100 (BPS). Exploring the Changing Earth: Introduction to Geology. (3)

Geol 1150 (BPS). The Dynamic Earth: Physical Geology. (4)

Honr 1310H (BSC). Integrated Science. (3)

Phyx 1000 (BPS). Introductory Astronomy. (3)

Phyx 1100 (BPS). Great Ideas in Physics. (3)

Phyx 1200 (BPS). Introduction to Physics by Hands-on Exploration. (4)

Phyx 1800 (BPS). Physics of Technology. (4) (prereq.)

Phyx 2120 (BPS). The Physics of Living Systems II. (4) (prereq.)

Soil 2000 (BPS). Soils, Waters, and the Environment. (3)

Or

AP Chemistry Test: Score of 3 or better

Or

AP Computer Science AB Test: Score of 3 or higher

Or

AP Environmental Studies Test: Score of 3 or higher

Or

CLEP General Physical Science Test: Score of 47 or higher (480 or higher prior to Fall 2001)

Or

The following course (for **Biological Engineering** majors only):

Chem 2300. Principles of Organic Chemistry. (3)

Or

The following course (for **Computer Science** majors only):

CS 1700. Introduction to Computer Science—CS 1. (3)

Or

The following course (for **Computer Engineering, Electrical Engineering, Environmental Engineering, Mechanical Engineering, Manufacturing Engineering, and Physics** majors only):

Phyx 2220. General Physics—Science and Engineering II. (4)

Or

One of the following courses (for **Mathematics** and **Statistics** majors only):

Math 1210. Calculus I. (4)

Phyx 2220. General Physics—Science and Engineering II. (4)

Breadth Social Sciences (BSS)

One of the following courses:

- USU 1340 (BSS)**. Social Systems and Issues. (3)
Anth 1010 (BSS). Cultural Anthropology. (3)
Anth 1030 (BSS). World Archaeology. (3)
Anth 2100 (BSS). Peoples of the Contemporary World. (3)
ASTE 2900 (BSS). Humanity in the Food Web. (3)
Econ 1550 (BSS). Introduction to Environmental and Natural Resource Economics. (3)
FHD 1500 (BSS). Human Development Across the Lifespan. (3)
FHD 2400 (BSS). Marriage and Family Relationships. (3)
Geog 1030 (BSS). World Regional Geography. (3)
Geog 2030 (BSS). Human Geography. (3)
HEnv 2450 (BSS). The Consumer and the Market. (3)
Honr 1340H (BSS). Social Systems and Issues. (3)
JCom 1000 (BSS). Introduction to Mass Communication. (3)
JCom 2000 (BSS). Media Smarts: Making Sense of the Information Age. (3)
NR 1010 (BSS). Humans and the Changing Global Environment. (3)
NR 2340 (BSS). Natural Resources and Society. (3)
PolS 2200 (BSS). Comparative Politics. (3)
Psy 1010 (BSS). General Psychology. (3)
Soc 1010 (BSS). Introductory Sociology. (3)
SpEd 1010 (BSS). Disability in the American Experience. (3)
Or
 AP Government and Politics: Comparative Test: Score of 3 or higher
Or
 AP Psychology Test: Score of 3 or higher
Or
 CLEP General Social Sciences/History Test: Score of 47 or higher (480 or higher prior to Fall 2001)
Or
 The following course (for **Economics** majors only):
Econ 2010. Introduction to Microeconomics. (3)
Or
 The following course (for **Parks and Recreation** majors only):
PRP 1000. Introduction to Parks and Recreation. (2)

Depth Education Requirements

Beyond the General Education requirements, all students who receive a bachelor's degree must complete two Communications Intensive, one Quantitative Intensive, and two Depth courses.

Communications Intensive (CI) (2 courses)

For most students, courses taken for the major will meet this requirement.

- Acct 4510 (CI)**. Auditing Principles and Techniques. (3)
ADVS 3300 (CI). Animal Production and Public Policy. (2)
ADVS 4200 (CI). Physiology of Reproduction and Lactation. (4)
ADVS 4920 (CI). Undergraduate Seminar. (2)
ADVS 5700 (CI). Animal Histology and General Pathobiology. (5)
Anth 1030 (CI). World Archaeology. (3)
Anth 3120 (CI). Peoples of the Pacific. (3)
Anth 3130 (CI). Peoples of Latin America. (3)
Anth 3170 (CI). Symbol Systems and the Origins of Writing and Literacy. (3)
Anth 3180 (CI). Ecology in Anthropology. (3)
Anth 3200 (CI). Perspectives on Race. (3)
Anth 3310 (CI). Introduction to Museum Studies. (3)
Anth 4120 (CI). Ethnography of Childhood. (3)
ASTE 3050 (CI). Technical and Professional Communication Principles in Agriculture. (3)
ASTE 3240 (CI). Teaching in Laboratory Settings. (3)
ASTE 4150 (CI). Methods of Teaching Agriculture. (3)
BIE 4880 (CI). Biological Engineering Design II. (3)
BIE 4890 (CI). Biological Engineering Design III. (3)
Biol 3010 (CI). Evolution. (3)
Biol 3100 (CI). Bioethics. (3)
Biol 5250 (CI). Evolutionary Biology. (3)
BIS 1550 (CI). Business Correspondence. (3)
BIS 2550 (CI). Business Communication. (3)
BIS 4550 (CI). Principles of International Business Communications. (3)

- CEE 4790 (CI)**. Environmental Engineering Design II. (2)
CEE 4870 (CI). Civil Engineering Design II. (2)
CEE 4880 (CI). Civil Engineering Design III. (2)
CEE 4890 (CI). Environmental Engineering Design III. (2)
Chem 3080 (CI). Physical Chemistry Laboratory I. (1)
Chem 3090 (CI). Physical Chemistry Laboratory II. (1)
Chem 4800 (CI). Research Problems. (1-2)
Chem 4990 (CI). Undergraduate Seminar. (1)
ComD 2910 (CI). Sign Language I. (3)
ComD 4100 (CI). Clinical Practicum in Speech-Language Pathology. (1-2)
ComD 4910 (CI). Sign Language III. (3)
CS 2370 (CI). Software Engineering. (3)
CS 3010 (CI). Information Acquisition, Analysis, and Presentation. (3)
CS 3410 (CI). Algorithm Development: JAVA/Internet. (3)
ECE 4840 (CI). Design II. (3)
ECE 4850 (CI). Design III. (2)
Econ 4030 (CI). Agribusiness Finance. (3)
Econ 5020 (CI). Economics and Public Policy. (3)
Econ 5350 (CI). Agribusiness, Cooperatives, and Management. (3)
Econ 5950 (CI). Senior Project. (3)
EIEd 3000 (CI). Foundation Studies and Practicum in Teaching and Classroom Management Level II. (6-8)
EIEd 4030 (CI). Teaching Language Arts and Practicum Level III. (3)
EIEd 4040 (CI). Teaching Reading II and Practicum Level III. (3)
Engl 3400 (CI). Professional Writing. (3)
Engl/Hist 3700 (CI). Regional Folklore. (3)
Engl 4500 (CI). Teaching Writing. (3)
Engl 4510 (CI). Teaching Literature. (3)
Engl/Hist 4640 (CI). Studies in the American West. (3)
Engl/Hist 4690 (CI). American Studies Capstone Seminar. (3)
Engl 5300 (CI). Literature and Gender. (3)
Engl 5320 (CI). Literature and Cultural Difference. (3)
Engl 5340 (CI). Studies in Literary and Cultural Theory. (3)
Engl 5350 (CI). Literary Studies Capstone. (3)
Engl 5430 (CI). Professional Writing Capstone. (3)
Engl 5910 (CI). Senior Honors Thesis. (1-6)
FHD 4900 (CI). Pre-Practicum Skills. (3)
FR/Biol 5420 (CI). Forest Pathology. (2)
Fren 3050 (CI). French Composition. (3)
Fren 3060 (CI). French Conversation. (3)
Fren 3510 (CI). Business French. (3)
Fren 4050 (CI). Advanced French Composition. (3)
Fren 4060 (CI). Advanced French Conversation. (3)
FW 3100 (CI). Fish Diversity. (3)
FW 3200 (CI). Wildlife Diversity. (3)
Geog 4200 (CI). Regional Geography. (3)
Geol 3550 (CI). Sedimentation and Stratigraphy. (4)
Geol 4700 (CI). Geologic Field Methods. (2)
Geol 5440 (CI). Paleocology. (2)
Geol 5520 (CI). Hydrogeologic Field Methods. (3)
Germ 3040 (CI). Advanced German Grammar and Composition. (3)
Germ 3050 (CI). Advanced German Grammar and Composition. (3)
Germ 3510 (CI). Business German. (3)
Germ 3540 (CI). Techniques in Translating German Texts. (3)
HEnv 3060 (CI). Human Behavior Related to Dress. (3)
HEnv 3750 (CI). History of Interior Furnishings and Architecture II. (3)
HEnv 4070 (CI). Merchandising Management Strategies and Entrepreneurship. (3)
HEnv 4740 (CI). Business and Professional Practices in Interior Design. (2)
HEP 4000 (CI). Introduction to Community Health. (3)
HEP 5000 (CI). Race, Class, and Gender Issues in Health. (3)
Hist/Art 3110 (CI). Ancient Near East. (3)
Hist 3130 (CI). Greek History. (3)
Hist 3150 (CI). Roman History. (3)
Hist 3220 (CI). Medieval European Civilization, 500-1500. (3)
Hist/Engl 3710 (CI). Folklore Colloquium. (3)
Hist 3760 (CI). The United States, 1900-1945. (3)
Hist 3850 (CI). History of Utah. (3)
Hist 3950 (CI). Environmental History. (3)
Hist 4230 (CI). The History of Christianity in the West. (3)
Hist 4550 (CI). The History of Women and Family in America. (3)
Hist 4600 (CI). The History of the American West. (3)
Hist/Engl 4620 (CI). Advanced Seminar in American Studies. (3)
Hist 4990 (CI). Special Topics in History. (3)

ITE 4610 (CI), AeroTechnology Design II. (3)
ITE 4620 (CI), AeroTechnology Design III. (3)
ITE 4660 (CI), Flight Senior Project. (3)
ITE 4710 (CI), Electronics/Computer Design II. (3)
ITE 4720 (CI), Electronics/Computer Design III. (3)
ITE 4810 (CI), Welding Design II. (3)
ITE 4820 (CI), Welding Design III. (3)
ITE 5220 (CI), Program and Course Development. (4)
JCom 2110 (CI), Introduction to On-line Journalism. (2)
JCom 2120 (CI), Reporting Public Affairs. (3)
JCom 2310 (CI), Writing for Public Relations. (3)
JCom 3110 (CI), Beyond the Inverted Pyramid. (3)
JCom 3120 (CI), Copy Editing and Publication Design. (3)
JCom 4110 (CI), Computer-Assisted Reporting. (3)
JCom 4120 (CI), Sports Writing. (3)
JCom 4210 (CI), Newscast I. (3)
JCom 4220 (CI), Newscast II. (3)
JCom 5110 (CI), Literary Journalism. (3)
JCom 5300 (CI), Public Relations Agency I. (3)
LAEP 2700 (CI), Site Analysis and Design. (5)
LAEP 4920 (CI), Professional Practice. (2)
LAS 2020 (CI), Pathways to Thinking. (3)
MAE 4800 (CI), Design II. (3)
Math 4200 (CI), Foundations of Analysis. (3)
Math 4310 (CI), Introduction to Algebraic Structures. (3)
Math 5580 (CI), Actuarial Math II. (3)
MHR 4880 (CI), Business Strategy in an Entrepreneurial Context. (3)
MHR 4890 (CI), Business Strategy in a Global Context. (3)
Musc 1460 (CI), Organ Literature I. (2)
Musc 1470 (CI), Organ Literature II. (2)
Musc 3130 (CI), Music History III/Theory IV: The Twentieth Century. (3)
Musc 4320 (CI), Psychology of Music II. (2)
NFS 4050 (CI), Education and Counseling Methods in Dietetics I. (2)
NFS 4060 (CI), Education and Counseling Methods in Dietetics II. (2)
NFS 4560 (CI), Clinical Nutrition II. (4)
NFS 4660 (CI), Medical Dietetics. (12)
NFS 4780 (CI), Maternal and Child Nutrition. (4)
NFS 5110 (CI), Food Microbiology. (4)
NFS 5920 (CI), Food Product Development. (3)
PEP 3200 (CI), Motor Learning and Skill Analysis. (3)
PEP 4900 (CI), Methods of Physical Education. (3)
PEP 5430 (CI), The History and Philosophy of Physical Education. (3)
Phil 3100 (CI), Ancient Philosophy. (3)
Phil 3120 (CI), Early Modern Philosophy. (3)
Phil 3150 (CI), Kant and His Successors. (3)
Phil 3160 (CI), Contemporary Philosophy. (3)
Phil 3180 (CI), Contemporary European Philosophy. (3)
Phil 3730 (CI), Philosophy of the New Testament. (3)
Phyx 3870 (CI), Intermediate Laboratory I. (2)
Phyx 3880 (CI), Intermediate Laboratory II. (2)
Phyx 4250 (CI), Cooperative Work Experience. (1-6)
Phyx 4900 (CI), Research in Physics. (1-3)
Phyx 5870 (CI), Advanced Laboratory. (3)
PolS 4220 (CI), Ethnic Conflict and Cooperation. (3)
PolS 4450 (CI), United States and Latin America. (3)
PolS 4990 (CI), Senior Research Seminar. (3)
Port 3040 (CI), Advanced Portuguese Grammar and Composition. (3)
PRP 3500 (CI), Community Recreation Administration. (3)
PRP 5000 (CI), Seminar in Recreation. (3)
PSB 4890 (CI), Senior Seminar. (1)
Psy 4510 (CI), Effective Social Skills Interventions. (3)
Psy 5200 (CI), Introduction to Interviewing and Counseling. (3)
Psy 5950 (CI), Undergraduate Apprenticeship I. (3)
Psy 5960 (CI), Undergraduate Apprenticeship II. (3)
PubH 5500 (CI), Public Health Management. (2)
RLR 5410 (CI), Vegetation Analysis for Livestock and Wildlife. (4)
RR 4100 (CI), Wildland Recreation Behavior. (3)
Russ 3510 (CI), Business Russian. (3)
ScEd 3210 (CI), Educational and Multicultural Foundations. (3)
ScEd 4200 (CI), Reading, Writing, and Technology. (3)
Soc 3110 (CI), Methods of Social Research. (3)
Soc 4420 (CI), Criminal Law and Justice. (3)
Soc/Geog/Anth 5650 (CI), Developing Societies. (3)

Span 3060 (CI), Advanced Spanish Conversation and Composition. (3)
Spch 1050 (CI), Public Speaking. (3)
Spch 2600 (CI), Interpersonal Communication. (3)
Spch 3250 (CI), Organizational Communication. (3)
Spch 3400 (CI), Interpersonal Influence. (3)
Spch 4800 (CI), Nonverbal Communication. (3)
Spch 5100 (CI), Theories of Speech Communication. (3)
SpEd 5200 (CI), Student Teaching in Special Education. (3-15)
SpEd 5210 (CI), Student Teaching in Special Education: Dual Majors. (3-15)
Stat 5100 (CI), Linear Regression and Time Series. (3)
Stat 5600 (CI), Applied Multivariate Statistics. (3)
Stat 5890 (CI), Problem Solving in Statistics. (3)
SW 5350 (CI), Social Welfare Policy. (3)

Quantitative Intensive (QI) (1 course)

For most students, courses taken for the major will meet this requirement.

ADVS 1250 (QI), Applied Agricultural Computations. (2)
ADVS 3510 (QI), Applied Animal Nutrition. (3)
ADVS 4560 (QI), Principles in Animal Breeding. (3)
ASTE 3040 (QI), Fabrication Practices in Agricultural Buildings. (2)
ASTE 3600 (QI), Management of Agricultural Machinery Systems. (3)
BA 3080 (QI), Operations Research. (3)
BA 3400 (QI), Corporate Finance. (3)
Biol 3200 (QI), Principles of Genetics. (4)
Biol 3220 (QI), Field Ecology. (2)
Biol/Math 4230 (QI), Applied Mathematics in Biology. (3)
Biol 4400 (QI), Plant Physiology. (4)
Biol/NR 5200 (QI), Modeling Biological Systems. (3)
Biol 5300 (QI), Microbial Physiology. (4)
Biol 5540 (QI), Invertebrate Physiology. (4)
Biol 5610 (QI), Comparative Animal Physiology Laboratory. (2)
BIS 3140 (QI), Managing Personal Finances. (3)
Chem 3060 (QI), Physical Chemistry. (3)
Chem 3070 (QI), Physical Chemistry. (3)
Chem 3600 (QI), Quantitative Analysis. (3)
CS 1720 (QI), Introduction to Computer Science—CS 2. (3)
CS 2200 (QI), Algorithms and Data Structures—CS 3. (3)
CS 3010 (QI), Information Acquisition, Analysis, and Presentation. (3)
CS 3500 (QI), Algorithm Development: Visual BASIC/Graphical User (3)
CS 3510 (QI), Algorithm Development: COBOL/Business. (3)
ECE 3260 (QI), Science of Sound. (3)
Econ 4310 (QI), Mathematical Methods for Economics. (4)
Econ 5310 (QI), Mathematical Methods for Economics. (4)
Econ 5330 (QI), Applied Econometrics. (3)
FHD 3130 (QI), Research Methods. (3)
Geog/Bmet 3820 (QI), Global Climatology. (4)
Geol 5510 (QI), Groundwater Geology. (3)
Geol 5530 (QI), Exploration Geophysics and Petroleum Exploration. (4)
Geol 5540 (QI), Quantitative Methods in Geology. (3)
Geol 5620 (QI), Global Geophysics. (3)
HEnv 3350 (QI), Family Finance. (3)
HEP 4200 (QI), Planning and Evaluation for Health Education. (3)
Hist 4610 (QI), Themes and Methods in Economic History. (3)
ITE 2300 (QI), Electronic Fundamentals. (4)
LAEP 2600 (QI), Landscape Construction I. (4)
LAS 2120 (QI), Pathways to Reasoning. (3)
MAE 3440 (QI), Heat and Mass Transfer. (3)
Math 2020 (QI), Introduction to Logic and Geometry. (3)
Math 2210 (QI), Multivariable Calculus. (3)
Math 2250 (QI), Linear Algebra and Differential Equations. (4)
Math 2270 (QI), Linear Algebra. (3)
Math 2280 (QI), Ordinary Differential Equations. (3)
NFS 3100 (QI), Sensory Evaluation of Food. (3)
NFS 4440 (QI), Fundamentals of Food Engineering. (4)
NFS 5120 (QI), Biologic Markers of Diet and Disease Risk Lab. (2)
NFS 5500 (QI), Food Analysis. (4)
NR 3600 (QI), Quantitative Assessment for Natural Resources. (3)
PEP 4200 (QI), Biomechanics. (4)
PEP 4400 (QI), Evaluation in Physical Education. (3)
Phil 2200 (QI), Deductive Logic. (3)
Phyx 2210 (QI), General Physics—Science and Engineering I. (4)
Phyx 2220 (QI), General Physics—Science and Engineering II. (4)

Phyx 3010 (QI). Space Exploration from Earth to the Solar System. (3)
 Phyx 3030 (QI). The Universe. (3)
 Phyx 3040 (QI). Space Weather—Dangers to the High-Tech World. (3)
 Phyx 4010 (QI). Chaos Under Control. (3)
 Phyx 4020 (QI). Nature, Art, and Music. (3)
 PISc 4600 (QI). Cereal Science. (3)
 PolS 3000 (QI). Introduction to Political Research. (3)
 Psy 2800 (QI). Psychological Statistics. (3)
 PubH 5330 (QI). Industrial Hygiene Chemical Hazard Control. (3)
 RLR 5410 (QI). Vegetation Analysis for Livestock and Wildlife. (4)
 Soc 3120 (QI). Social Statistics I. (3)
 Soil 5550 (QI). Soils and Plant Nutrient Bioavailability. (3)
 SpEd 5010 (QI). Applied Behavioral Analysis I: Principles, Assessment, and Analysis. (3)
 Stat 2000 (QI). Statistical Methods. (3)
 Stat 3000 (QI). Statistics for Scientists. (3)
 Stat 5100 (QI). Linear Regression and Time Series. (3)
 Stat 5300 (QI). Statistical Process Control. (3)

Depth Course Requirements (2 courses)

Students are required to take two upper-division courses outside of their major.

Approved 3000-level or above courses must be taken from two of the following three categories: **Depth Humanities and Creative Arts (DHA)**, **Depth Life and Physical Sciences (DSC)**, and **Depth Social Sciences (DSS)**. Each student must select one course from each of the two categories which *do not* include his or her major (e.g., Sociology majors would select one 3000-level or above course from the Depth Humanities and Creative Arts and one 3000-level or above course from the Depth Life and Physical Sciences). **Prerequisites are required for depth courses followed by (prereq.). For details, see course listings in the *Instructional Units and Programs* section of this catalog.**

Depth Humanities and Creative Arts (DHA)

One course is required for all students whose major is **not** categorized as Humanities (HU) or Creative Arts (CA).

Engl 3020 (DHA). Perspectives in Linguistics. (3)
 Engl 3030 (DHA). Perspectives in Literature. (3)
 Engl 3040 (DHA). Perspectives in Writing and Rhetoric. (3)
 Engl 3050 (DHA). Masterpieces of World Literature. (3)
 Engl/Hist 3070 (DHA). Perspectives in Folklore. (3)
 Fren 4610 (DHA). Survey of French Literature: Part I. (3) (prereq.)
 Fren 4620 (DHA). Survey of French Literature: Part II. (3) (prereq.)
 Fren 4630 (DHA). Survey of French Literature: Part III. (3) (prereq.)
 Germ 3000 (DHA). Introduction to German Studies. (3) (prereq.)
 Germ 3300 (DHA). Contemporary German Speaking Cultures. (3) (prereq.)
 Germ 3550 (DHA). Cultural History of German Speaking Peoples. (3) (prereq.)
 Germ 3600 (DHA). Survey of German Literature I. (3) (prereq.)
 Germ 3610 (DHA). Survey of German Literature II. (3) (prereq.)
 HEnv 3740 (DHA). History of Interior Furnishings and Architecture I. (3)
 HEnv 3750 (DHA). History of Interior Furnishings and Architecture II. (3)
 HEnv 4150 (DHA). History of Apparel and Textiles I. (3)
 HEnv 4160 (DHA). History of Apparel and Textiles II. (3)
 Hist/Art 3110 (DHA). Ancient Near East. (3) (prereq.)
 Hist 3130 (DHA). Greek History. (3) (prereq.)
 Hist 3150 (DHA). Roman History. (3) (prereq.)
 Hist 3220 (DHA). Medieval European Civilization, 500-1500. (3) (prereq.)
 Hist 3760 (DHA). The United States: 1900-1945. (3) (prereq.)
 Hist 3850 (DHA). History of Utah. (3) (prereq.)
 Hist 3950 (DHA). Environmental History. (3)
 Hist 4230 (DHA). The History of Christianity in the West. (3)
 Hist 4550 (DHA). The History of Women and Family in America. (3)
 Hist 4600 (DHA). The History of the American West. (3)
 Honr 3020H (DHA). Special Topics: Humanities/Creative Arts. (3)
 Musc 3010 (DHA). Masterpieces of Music. (3)
 Musc 3020 (DHA). History of Jazz. (3)
 Phil 3180 (DHA). Contemporary European Philosophy. (3)

Phil 3510 (DHA). Environmental Ethics. (3)
 Phil 3520 (DHA). Business Ethics. (3)
 Phil 3800 (DHA). Philosophy in Literature. (3)
 Phil 3810 (DHA). Aesthetics. (3)
 Phil 4300 (DHA). Epistemology. (3)
 Phil 4310 (DHA). Philosophy of Science. (3)
 Phil/Hist 4320 (DHA). History of Scientific Thought. (3)
 Phil 4410 (DHA). Philosophy of Mind. (3)
 Phil 4540 (DHA). Human Values and Information Technology. (3)
 Phil 4610 (DHA). Social and Political Philosophy. (3)
 Span 3550 (DHA). Spanish Culture and Civilization. (3) (prereq.)
 Span 3570 (DHA). Latin American Culture and Civilization. (3) (prereq.)
 Span 3600 (DHA). Survey of Spanish Literature I. (3) (prereq.)
 Span 3610 (DHA). Survey of Spanish Literature II. (3) (prereq.)
 Span 3620 (DHA). Survey of Latin American Literature I. (3) (prereq.)
 Span 3630 (DHA). Survey of Latin American Literature II. (3) (prereq.)
 Thea 5240 (DHA). Contemporary Theatre. (3) (prereq.)

Depth Life and Physical Sciences (DSC)

One course is required for all students whose major is **not** categorized as Life Sciences (LS) or Physical Sciences (PS).

ADVS 3200 (DSC). Ethical Issues in Genetic Engineering and Biotechnology. (3)
 Biol 3010 (DSC). Evolution. (3)
 Biol 3020 (DSC). Brain and Behavior. (3) (prereq.)
 Biol 3030 (DSC). Genetics and Society. (3) (prereq.)
 Biol 3040 (DSC). Plants and Civilization. (3) (prereq.)
 Biol 3050 (DSC). Insect Biology. (3) (prereq.)
 Biol 3060 (DSC). Exploring Animal Behavior. (3) (prereq.)
 Chem 3650 (DSC). Environmental Chemistry. (3) (prereq.)
 CS 3010 (DSC). Information Acquisition, Analysis, and Presentation. (3) (prereq.)
 CS 3410 (DSC). Algorithm Development: Java/Internet. (3) (prereq.)
 CS 3500 (DSC). Algorithm Development:
 Visual BASIC/Graphical User. (3) (prereq.)
 CS 3510 (DSC). Algorithm Development: COBOL/Business. (3) (prereq.)
 ECE 3260 (DSC). Science of Sound. (3)
 FW/Geog 3000 (DSC). Oceanography. (3)
 FW 3600 (DSC). Living with Wildlife. (3)
 Geog/Bmet 3820 (DSC). Global Climatology. (4) (prereq.)
 Geol 3100 (DSC). Natural Disasters. (3) (prereq.)
 Geol 3200 (DSC). The Earth Through Time. (4) (prereq.)
 Geol 3300 (DSC). Geology of the World's Oceans. (3) (prereq.)
 HEnv 3030 (DSC). Textile Science. (4)
 Honr 3010H (DSC). Special Topics: Life and Physical Sciences. (3)
 ITE 3440 (DSC). Science, Technology, and Modern Society. (3)
 LAS 3010 (DSC). Introduction to Biotechnology. (3) (prereq.)
 NFS 3110 (DSC). Food, Technology, and Health. (3) (prereq.)
 Phil 4530 (DSC). Ethics and Biotechnology. (3)
 Phyx 3010 (DSC). Space Exploration from Earth to the Solar System. (3) (prereq.)
 Phyx 3020 (DSC). Great Scientists. (3) (prereq.)
 Phyx 3030 (DSC). The Universe. (3) (prereq.)
 Phyx 4010 (DSC). Chaos Under Control. (3) (prereq.)
 Phyx 4020 (DSC). Nature, Art, and Music. (3) (prereq.)
 PISc 3200 (DSC). Horticultural Science. (3)
 PISc 4600 (DSC). Cereal Science. (3) (prereq.)
 RLR/Geol 3050 (DSC). Ecology of Logan Canyon and Vicinity. (3)
 Soil 3100 (DSC). Soils and Civilization. (3)

Depth Social Sciences (DSS)

One course is required for all students whose major is **not** categorized as Social Sciences (SS).

Anth 3120 (DSS). Peoples of the Pacific. (3) (prereq.)
 Anth 3160 (DSS). Anthropology of Religion. (3)
 Anth 3170 (DSS). Symbol Systems and the Origins
 of Writing and Literacy. (3) (prereq.)
 Anth 3180 (DSS). Ecology in Anthropology. (3)
 Anth 3200 (DSS). Perspectives on Race. (3)
 Anth 3300 (DSS). Archaeology in North America. (3)
 Anth 3350 (DSS). Archaeology of Ancient Civilizations. (3)
 Anth 4110 (DSS). Southwest Indian Cultures, Past and Present. (3)
 Anth 4130 (DSS). Medical Anthropology: Matter, Culture, Spirit, and Health. (3)

Anth 4360 (DSS). Ancient Desert West. (3-4) (prereq.)
Anth 5100 (DSS). Anthropology of Sex and Gender. (3)
Anth 5160 (DSS). Cities and Development. (3)
BIS 3100 (DSS). Business Information Systems. (3)
BIS 5700 (DSS). Internet Management and Electronic Commerce. (3) (prereq.)
Econ 3030 (DSS). Introduction to Agribusiness Marketing. (3) (prereq.)
Econ 3050 (DSS). Introduction to Agribusiness Management. (3) (prereq.)
Econ 3400 (DSS). International Economics for Business. (3) (prereq.)
Econ 5110 (DSS). Economic History of the United States. (3) (prereq.)
Econ 5150 (DSS). Comparative Economic Systems. (3) (prereq.)
FR 4000 (DSS). Human Dimensions of Natural Resource Management. (3)
HEnv 3060 (DSS). Human Behavior Related to Dress. (3) (prereq.)
HEnv 3280 (DSS). Economic Issues for Individuals and Families. (3)
HEnv 3340 (DSS). Housing: Societal and Environmental Issues. (3)
HEnv 3350 (DSS). Family Finance. (3) (prereq.)
Honr 3030H (DSS). Special Topics: Social Sciences. (3)
JCom 3140 (DSS). Opinion Writing. (3)
JCom 3300 (DSS). Corporate Communications. (3) (prereq.)
JCom 3400 (DSS). Gender and Communication. (3)
JCom 3410 (DSS). Film as Cultural Communication. (3)
JCom 4010 (DSS). Mass Communication Ethics. (3)
JCom 4020 (DSS). Mass Media and Society. (3)
JCom 4030 (DSS). Mass Media Law. (3)
MHR 3110 (DSS). Managing Organizations and People. (3)
MHR 3720 (DSS). Leading Organization Change. (3) (prereq.)
MHR 3810 (DSS). Employment Law and Policy Development. (3) (prereq.)
MHR 3820 (DSS). International Management. (3)
PolS 3110 (DSS). Parties and Elections. (3)
PolS 3120 (DSS). Law and Politics. (3)
PolS 3130 (DSS). United States Legislative Politics. (3)
PolS 3140 (DSS). The Presidency. (3)
PolS 3190 (DSS). Gender, Power, and Politics. (3)
PolS 3210 (DSS). Western European Government and Politics. (3)
PolS 3220 (DSS). Russian and East European Government and Politics. (3)
PolS 3250 (DSS). Chinese Government and Politics. (3)
PolS 3270 (DSS). Latin American Government and Politics. (3)
PolS 3310 (DSS). American Political Thought. (3)
PolS 3400 (DSS). United States Foreign Policy. (3)
PolS 3810 (DSS). Introduction to Public Policy. (3)
PolS 4320 (DSS). History of Political Thought II. (3)
PolS 4820 (DSS). Natural Resources and Environmental Policy. (3)
PolS 5350 (DSS). Evolution, Conflict, and Cooperation. (3)
PolS 5440 (DSS). Gender and World Politics. (3)
Psy 3210 (DSS). Abnormal Psychology. (3) (prereq.)
Psy 3400 (DSS). Analysis of Behavior: Advanced. (4) (prereq.)
Psy 3500 (DSS). Scientific Thinking and Methods of Psychology. (3) (prereq.)
Psy 3510 (DSS). Social Psychology. (3) (prereq.)
Psy 4210 (DSS). Personality Theory. (3) (prereq.)
Psy 4230 (DSS). Psychology of Gender. (3)
Psy 4240 (DSS). Multicultural Psychology. (3) (prereq.)
Psy 4420 (DSS). Cognitive Psychology. (3) (prereq.)
ScEd 3210 (DSS). Educational and Multicultural Foundations. (3)
Soc 3200 (DSS). Population and Society. (3)
Soc 3610 (DSS). Rural Sociology. (3)
Soc 4620 (DSS). Sociology of the Environment and Natural Resources. (3)
Soc/Geog/Anth 5650 (DSS). Developing Societies. (3)
Spch 3050 (DSS). Technical and Professional Communication. (3)
Spch 3330 (DSS). Intercultural Communication. (3)

Categorization of Majors

The courses that must be taken to satisfy University Studies requirements depend on the classification of the student's major. For example, Music is classified in the Creative Arts. Thus, a music major would not need to take a depth course in the Humanities and Creative Arts and might satisfy the Creative Arts breadth requirement by taking a departmentally designated course other than those breadth courses listed under Creative Arts.

Following is the categorization of majors used for University Studies. These abbreviations are used: **CA—Creative Arts**, **HU—Humanities**, **LS—Life Sciences**, **PS—Physical Sciences**, and **SS—Social Sciences**.

College of Agriculture

Agricultural Economics, **SS**

Soil Science, **PS**

All other majors, **LS**

College of Business

All majors, **SS**

College of Education

Communicative Disorders and Deaf Education, **SS**

Elementary Education, (**category same as area of emphasis**)

Health, Physical Education and Recreation

Parks and Recreation, **SS**

All other majors, **LS**

Instructional Technology, (**no undergraduate degree**)

Psychology, **SS**

Secondary Education, (**category same as teaching major category**)

Special Education, (**may use any category**)

College of Engineering

All majors, **PS**

College of Family Life

Interior Design, **CA**

Nutrition and Food Sciences, **LS**

All other majors, **SS**

College of Humanities, Arts and Social Sciences

Art, **CA**

English, **HU**

History, **HU**

Journalism and Communication, **SS**

Landscape Architecture and Environmental Planning, **CA**

Languages and Philosophy, **HU**

Liberal Arts and Sciences, **HU**

Music, **CA**

Political Science, **SS**

Sociology, Social Work and Anthropology, **SS**

Theatre Arts, **CA**

College of Natural Resources

Geography, **SS**

Watershed Science, **PS**

All other majors, **LS**

College of Science

Biology, **LS**

All other majors, **PS**

Designation of Courses Required for General Education and Depth Education Requirements

All University Studies courses approved for the General Education and Depth Education Requirements are clearly designated in this catalog and in the current *Schedule of Classes*. The designations used for University Studies courses are as follows:

Competency Courses

Communications Literacy, **CL**
 Quantitative Literacy, **QL**

Breadth Courses

American Institutions, **BAI**
 Creative Arts, **BCA**
 Humanities, **BHU**
 Life Sciences, **BLS** or **BSC**
 Physical Sciences, **BPS** or **BSC**
 Social Sciences, **BSS**

Intensive Courses

Communications Intensive, **CI**
 Quantitative Intensive, **QI**

Depth Courses

Humanities and Creative Arts, **DHA**
 Life and Physical Sciences, **DSC**
 Social Sciences, **DSS**

University Studies Courses (USU)

USU 1000. Introduction to Computers and Information Literacy. Introduction to basic concepts of computers and information literacy. Preparation for USU Computer and Information Literacy (CIL) test. For students having some familiarity with computers, but needing additional instruction. Taught during the first four weeks of fall

semester. **Note:** Unlike the other five University Studies courses, USU 1000 *cannot* be counted toward the breadth requirements. (1 cr) (F)

USU 1300 (BAD). U.S. Institutions. Provides basic understanding of the history, principles, form of government, and economic system of the United States. Emphasis on ideas and critical thinking, rather than dates, names, and places. (3 cr) (F,Sp,Su) ©

USU 1320 (BHU). Civilization: Humanities. Provides basic understanding of a broad range of themes, which cut across human history and continue to be important in contemporary society. (3 cr) (F,Sp,Su)

USU 1330 (BCA). Civilization: Creative Arts. Students will explore questions such as: What is Art? How is it judged? How does artistic expression vary across cultures? Course will cover several forms of art, and students will attend concerts, visit galleries, and attend theatrical performances. (3 cr) (F,Sp,Su)

USU 1340 (BSS). Social Systems and Issues. Examines debates in the social sciences about contexts which shape human experience. Compares experiences between life stages, individuals, groups, societies, and/or historical periods. Contrasts different social science disciplines. (3 cr) (F,Sp,Su)

USU 1350 (BLS). Integrated Life Science. Interdisciplinary course focusing on basic concepts of life science. Demonstrates role of modeling, prediction, and observation in the process of scientific discovery, which occurs within an historical and social context. (3 cr) (F,Sp,Su)

USU 1360 (BPS). Integrated Physical Science. Interdisciplinary course focusing on basic concepts of physical science, including structure of matter and magnitude and character of the forces of nature. Demonstrates role of modeling, prediction, and observation in the process of scientific discovery, which occurs within an historical and social context. (3 cr)

© This course is also offered by correspondence through Continuing Education Independent and Distance Education.

Transfer Student Information

Students who transfer to Utah State University from one of the institutions listed below will have their coursework evaluated as follows:

1. Those who transfer to Utah State University and have an Associate of Arts or an Associate of Science degree (or have completed the General Education requirements of the sending institution) will be deemed as having met the General Education portion of the University Studies requirements at Utah State University. A student who transfers without an Associate of Arts or Associate of Science degree will need a registrar's certification stating that he or she has completed the General Education requirements at the sending institution.

2. Students who transfer to Utah State University with less than an Associate Degree (and have not completed General Education requirements) or with an Associate of Applied Science Degree will have their General Education courses evaluated on a course-by-course basis and may be required to take any additional courses necessary to satisfy the General Education requirements at Utah State University. However, if these students have taken equivalent General Education courses at the sending institution, these courses will be accepted toward satisfying General Education requirements at Utah State University.

Courses approved as fulfilling General Education requirements at a Utah System of Higher Education (USHE) institution, Brigham Young University, LDS Business College, Westminster College, and Brigham Young University—Idaho will be acceptable to Utah State University as satisfying comparable General Education requirements. Coursework acceptability at other institutions will be determined by the student's major department at Utah State University.

3. Coursework taken to fulfill requirements other than General Education will be reviewed by the appropriate department within Utah State University. Coursework acceptability will be determined by the student's major department at Utah State University.

4. Utah State University will require students to satisfy an American Institutions requirement if an equivalent course has not been taken.

Approved Institutions

Utah

Brigham Young University
College of Eastern Utah
Dixie State College of Utah
LDS Business College
Salt Lake Community College
Snow College
Southern Utah University
University of Utah
Utah Valley State College
Weber State University
Westminster College

Alaska

University of Alaska (Fairbanks)

Arizona

Arizona State University
Arizona Western College
Central Arizona College

Chandler-Gilbert Community College
Cochise College
Coconino Community College
Eastern Arizona College
Estrella Mountain Community College
Gateway Community College
Glendale Community College
Mesa Community College
Mohave Community College
Northern Arizona University
Northland Pioneer College
Paradise Valley Community College
Phoenix College
Pima Community College
Rio Salado College
Scottsdale Community College
South Mountain Community College
University of Arizona
Yavapai College

California

Allan Hancock College
American River College
Antelope Valley College
Bakersfield College
Barstow College
Butte College
Cabrillo College
Canada College
Cerritos College
Cerro Coso Community College
Chabot College
Chaffey College
Chapman University
Citrus College
City College of San Francisco
Coastline College
College of Alameda
College of Marin
College of San Mateo
College of the Canyons
College of the Desert
College of the Redwoods
College of the Sequoias
College of the Siskiyous
Columbia College
Compton College
Contra Costa Community College
Cosumnes River College
Crafton Hills College
Cuesta College
Cuyamaca College
Cypress College
De Anza College
Diablo Valley College
East Los Angeles College
El Camino College
Evergreen Valley College
Feather River College
Foothill College
Fresno City College
Fullerton College

Gavilan College
 Glendale College
 Golden West College
 Grossmont College
 Hartnell College
 Imperial Valley College
 Irvine Valley College
 Lake Tahoe Community College
 Laney College
 Las Positas Community College
 Lassen College
 Long Beach City College
 Los Angeles City College
 Los Angeles Harbor College
 Los Angeles Mission College
 Los Angeles Pierce College
 Los Angeles Southwest College
 Los Angeles Trade Technical College
 Los Angeles Valley College
 Los Medanos College
 Marymount College
 Mendocino College
 Merced College
 Merritt College
 Mira Costa College
 Mission College
 Modesto Junior College
 Monterey Peninsula College
 Moorpark College
 Mount San Antonio College
 Mount San Jacinto College
 Napa Valley College
 Ohlone College
 Orange Coast College
 Oxnard College
 Palo Verde College
 Porterville College
 Reedley College
 Rio Hondo College
 Riverside Community College
 Sacramento City College
 Saddleback College
 San Bernadino Valley College
 San Diego City College
 San Diego Mesa College
 San Diego Miramar College
 San Joaquin Delta College
 San Jose City College
 Santa Ana College
 Santa Barbara City College
 Santa Monica College
 Santa Rosa Junior College
 Santiago Canyon College
 Shasta College
 Sierra College
 Skyline College
 Solano Community College
 Southwestern College
 Taft College
 Ventura College
 Victor Valley Community College
 Vista College
 West Hills College
 West Los Angeles College
 West Valley College
 Yuba College

Colorado

Colorado Northwestern Community College
 Colorado State University
 Mesa State College
 Pueblo Community College
 University of Colorado (Denver)

Hawaii

Brigham Young University (Hawaii)

Idaho

Boise State University
 Brigham Young University—Idaho (Ricks College)
 College of Southern Idaho
 Idaho State University
 Lewis-Clark State College
 North Idaho College
 University of Idaho

Missouri

State Fair Community College

Nevada

Community College of Southern Nevada
 Great Basin College
 Truckee Meadows Community College
 University of Nevada (Las Vegas)
 University of Nevada (Reno)

New Mexico

College of the Southwest
 New Mexico State University (Carlsbad)
 San Juan College

Oregon

Mt. Hood Community College
 Portland Community College
 Treasure Valley Community College

Texas

Tarrant County College

Washington

Spokane Community College
 Spokane Falls Community College

Wyoming

Casper College
 Central Wyoming College
 Eastern Wyoming College
 Laramie County Community College
 Northwest College
 Sheridan College
 University of Wyoming
 Western Wyoming Community College

Students who transfer from an institution that is not listed above will have their General Education coursework evaluated by the student's major department at Utah State University.

For an institution to be considered for inclusion in the above articulation agreements, the institution's General Education requirements must be reviewed and approved by both the USU General Education Subcommittee and the Educational Policies Committee. Institution representatives should submit their requests, along with a copy of their institution's catalog, to: John Mortensen, Director of Advising and Transition Services, Utah State University, 0114 Old Main Hill, Logan UT 84322-0114.

Interdepartmental Undergraduate Academic Programs

Applied Technology Education Programs

Director: Maurice G. Thomas

Applied Technology Education Council: Lloyd W. Bartholome, Mark C. Healey, Gary S. Straquadine, James H. Thomas, Maurice G. Thomas

Programs

Agricultural Machinery Technology—Department of Agricultural Systems Technology and Education

Office Systems Support—Department of Business Information Systems

Drafting—Department of Industrial Technology and Education

Aeronautics—Department of Industrial Technology and Education

Dairy Herd Management—Department of Animal, Dairy and Veterinary Sciences

Ornamental Horticulture—Department of Plants, Soils, and Biometeorology

Nursing—College of Science (with Weber State University)

Objectives

The primary purpose of applied technology education programs is to prepare people for employment. Utah State University has developed applied technology education programs within role assignments by the State Board of Regents with the support of the State Board of Education. Students earn certificates, diplomas, or Associate of Applied Science degrees in programs of one or two years in length.

Industry advisory committees provide valuable input to insure relevant programs. Follow-up study of graduates is used as one important method to maintain program quality.

Further information concerning these less-than-baccalaureate applied technology education programs may be found in the section *Certificates, Diplomas, and Associate of Applied Science Degrees* on page 53 and in the following departmental sections: Animal, Dairy and Veterinary Sciences; Agricultural Systems Technology and Education; Plants, Soils, and Biometeorology; Business Information Systems; and Industrial Technology and Education.

It is the policy of this institution not to discriminate on the basis of race, color, national origin, sex, or handicap in any applied technology education program or activity.

Area Studies

Program Coordination: College of Humanities, Arts and Social Sciences

Contact: Science/HASS Advising Center, Student Center 302, (435) 797-4029

The Area Studies Certificate program is an interdisciplinary approach to the study of a geographical or thematic subject. The program is available to undergraduate and graduate students. It is not a major and does not lead to a degree. Rather, it is designed to strengthen an academic degree and provides an opportunity for a student to enlarge the scope of the educational experience through an in-depth study of a sector of the world or thematic problem. Where appropriate, courses that apply to the major, minor, or other graduation requirements may also apply to the Area Studies Certificate.

Students may earn the following Area Studies Certificates:

British and Commonwealth Studies

Communicating Across Cultures

International Development

Law and Society

Liberal Arts and Sciences

Religion

Women's Studies

For specific requirements for each of these certificates, see program brochures.

In addition, a **self-designed Area Studies Certificate**, tailored to the student's individual interests, is available. Examples of these are: **Black Studies, Natural Ecosystems, Russian Studies, and Latin American Studies**. A student takes a minimum of 24 credits related to the area of study from at least three disciplines, such as economics, natural resources, political science, sociology, literature, history, geography, and philosophy. No more than 12 of the 24 credits may be taken in any one discipline. A GPA of 3.0 must be maintained in courses applied to the certificate.

A student who completes the Area Studies program is awarded a Certificate at the time of graduation. The information is also noted on the graduation program and on the student's transcript. Graduate students are awarded the Certificate at the end of the semester in which they complete the requirements.

For a more detailed description of the requirements for this program, contact the Program Coordinator, Student Center 304.

Asian Studies

Program Coordination: College of Humanities, Arts and Social Sciences

Co-directors: R. Edward Glatfelter, Main 333, (435) 797-1196
Jing Huang, Main 330C, (435) 797-0099

The Asian Studies Program is designed to provide students with a rich, interdisciplinary experience leading to a Bachelor of Arts degree or a minor in Asian Studies. The program focuses on East Asia, South Asia, Southeast Asia, and West Asia or the Middle East. Archaeological evidences suggest that humans first occupied Southwest Asia more than half a million years ago, and

fully modern humans began living an advanced hunting and gathering life in Asia some 60,000 years ago. Asia is a collection of some 38 independent nations, some with more than 6,000 years of written history and others only recently becoming independent nations. It is in Asia that the world's major religions originated. Hinduism, Buddhism, Judaism, Christianity, Zoroastrianism, Confucianism, Taoism, Shintoism, and Islam all have origins traced to West, South, and East Asia. A tremendous upsurge of social and economic development in many of the Asian countries deserves closer study and examination to assure harmonious social and economic development between the United States and Asia. The Asian Studies program provides an opportunity for students to develop an insight and knowledge of Asian people, their history and languages, and their political, economic, and cultural lives. Asian languages taught at Utah State University include Japanese, Chinese, Korean, and Russian.

A major in Asian Studies requires a minimum of 30 credits approved by the program director. In addition, 16 credits of an Asian language are required for graduation. At least one semester living and studying in an Asian country is recommended for all Asian Studies majors. Residency abroad programs may be arranged through USU affiliated or contact universities or through the International Student Exchange Program (ISEP). Students are encouraged to earn a double major by combining an Asian Studies major with a major in another field.

A minor in Asian Studies requires a minimum of 20 credits approved by the program director. At least 8 credits of an Asian language are recommended.

The program is open to interested Utah State University students having a minimum 2.00 grade point average. A minimum 2.50 GPA in the major or minor courses is required. For more specific information, see the program directors, the Asian Studies Program brochure, or page 98 of this catalog.

Interdisciplinary Studies Major

Contact: Office of the Provost, Main 142, (435) 797-1706

Advising: Science/HASS Advising Center,
Student Center 302, (435) 797-3883

The organization of academic departments and their associated degree programs reflects the history and traditions of study in those fields. The Interdisciplinary Studies major is intended to serve the needs of students who want to design a unique individualized academic program, obtain a broadly-based education, and diversify their professional potential. The degree is not intended to replace existing majors or curricula. Rather, it is designed to provide the small number of students whose degree needs cannot be met with other majors with a program which is less restrictive and more responsive to their individual plans and interests. Students who complete their programs will receive the Bachelor of Science or (if they meet the language requirement) the Bachelor of Arts degree. The degree cannot be used as part of a dual/double major. For further information about the Interdisciplinary Studies Major, see page 296 in this catalog.

International Studies Major and Minor

Contact: Office of the Provost, Main 142, (435) 797-1706

Advising: Science/HASS Advising Center,
Student Center 302, (435) 797-3883

The major and minor in International Studies provide educational opportunities enabling students to develop and enhance their international competencies. Specifically, these programs enhance the student's knowledge of the history, culture, and institutions of other countries; cultivate development of language and intercultural skills; develop understanding of global problems and circumstances; and expand the student's capacity to make informed judgements regarding complex international issues. Along with completion of coursework and a senior project, International Studies majors are required to spend at least eight weeks living in a foreign country. For detailed description of requirements for the International Studies Major and Minor, see pages 297-298 in this catalog.

Special Certificate Programs

Special Certificates may be awarded as supplements to degree programs when authorized by the University. Currently Special Certificates are granted to recognize areas of emphasis and interdisciplinary concentrations. These include the Area Studies Certificate; the International Relations Certificate; and the Music Certificate in Pedagogy of Piano, Organ, or Guitar, as well as Music Therapy equivalency, all coordinated in the College of Humanities, Arts and Social Sciences. The Gerontology Certificate is awarded by the Department of Family and Human Development in the College of Family Life.

Women's Studies

Program Coordination: College of Humanities, Arts and Social Sciences

Contact: Brenda Cooper, director, Animal Science 308B, (435) 797-3253

Women's Studies at Utah State University is a multidisciplinary program focusing on the role of gender in the everyday experiences of women and men. Students are provided with opportunities to examine the diverse experiences, perspectives, and contributions of women in the past, present, and future, both nationally and internationally. Specific courses examine the processes of gender role socialization, and the resulting cultural beliefs and stereotyped images of women from a variety of disciplines. As a result, students gain appreciation for the role of gender and its practical implications in their basic life experiences, thus preparing them to understand current and future changes in the roles of women.

Each semester, Women's Studies courses are taught by faculty members from several areas throughout the University, including Anthropology, Journalism and Communication, English, Fine Arts, Health and Physical Education, History, Natural Resources, Political Science, Psychology, Special Education, and Sociology. Throughout the year, several special topics courses are offered, and many courses also offer Honors and graduate sections. Internship hours are available for work related to women's issues. To meet student needs, new courses are continually developed and offered.

Students may enroll in individual courses or apply coursework toward either a minor in Women's Studies or an Area Studies certificate.

Further information may be obtained from the director (Animal Science 308B) or the Science/HASS Advising Center (Student Center 302).

Graduate General Information

School of Graduate Studies

Thomas L. Kent

Dean, School of Graduate Studies

Office in Main 164

tel. (435) 797-1189

Graduate programs at USU are supervised by the dean of the School of Graduate Studies, assisted by the Graduate Council. The council consists of the dean, a faculty representative from each of the eight colleges of the University, a representative from the Faculty Senate, the vice president for Information Technology, and two graduate students. Policies and regulations for graduate work are established by the Graduate Council with the approval of the Faculty Senate.

USU has awarded Master of Science degrees since 1914 and doctoral degrees since 1950. The School of Graduate Studies was formally organized in 1945. Forty-three of the University's 45 departments participate in graduate degree programs, including several interdepartmental programs. Included are 89 master's programs, 32 doctoral programs, 3 educational specialist programs, and 2 engineer degrees. Nationally and internationally known scholars and research units participate in and support graduate studies at USU.

The School of Graduate Studies holds memberships in the Council of Graduate Schools in the United States and the Western Association of Graduate Schools.

Graduate Calendar

For information on registration and dropping and adding classes, consult the current *Schedule of Classes*. For further information on degree completion dates, consult the School of Graduate Studies. All dates are subject to change without notice.

Summer Semester 2002

May 6-May 31	Early session
May 6	First day of classes
May 27	Holiday (Memorial Day)
June 3-7	First workshop week
June 10	Regular session begins (8 weeks)
July 4	Holiday (Independence Day)
July 24	Holiday (Pioneer Day)
August 2	Last day of classes
August 5-9	Second workshop week
August 9	Last day to complete degree requirements for summer semester

Fall Semester 2002

August 26	Classes begin
September 2	Holiday (Labor Day)
November 27-29	Thanksgiving break
December 2	Program of Study for master's/doctorate and <i>Application for Candidacy</i> forms for doctorate must be submitted to the School of Graduate Studies (approved supervisory committee form should already be on file) to meet deadline for 2003 Commencement program.
December 6	Last day of classes
December 9-13	Final examinations
December 13	Last day to complete degree requirements for fall semester

Spring Semester 2003

December 2, 2002	Program of Study for master's/doctorate and <i>Application for Candidacy</i> forms for doctorate must be submitted to the School of Graduate Studies (approved supervisory committee form should already be on file) to meet deadline for 2003 Commencement program.
January 6	Classes begin
January 20	Holiday (Martin Luther King, Jr. Day)
February 14*	Committee-approved thesis/dissertation must be submitted to the School of Graduate Studies for review.
February 17	Holiday (Washington and Lincoln Day)

March 10-14	Spring break
April 4*	All graduation forms must be completed and submitted to the School of Graduate Studies along with proof of payment of all fees.
April 4*	Thesis/dissertation must be approved by the thesis coordinator.
April 4*	Letter of completion from department head (nonthesis programs) must be on file in the School of Graduate Studies Office.
April 4*	Incomplete grades must be changed and posted on transcript.
April 18*	Three copies of the approved thesis/dissertation must be submitted to the Serials Department of the Library.
April 25	Last day of classes
April 28-May 2	Final examinations
May 2	Last day to complete degree requirements for spring semester
May 2	Hooding
May 3	Commencement

Summer Semester 2003

May 5-May 30	Early session
May 5	First day of classes
May 26	Holiday (Memorial Day)
June 2-6	First workshop week
June 9	Regular session begins (8 weeks)
July 4	Holiday (Independence Day)
July 24	Holiday (Pioneer Day)
August 1	Last day of classes
August 4-8	Second workshop week
August 8	Last day to complete degree requirements for summer semester

Fall Semester 2003

August 25	Classes begin
September 1	Holiday (Labor Day)
November 26-28	Thanksgiving break
December 1	Program of Study for master's/doctorate and <i>Application for Candidacy</i> forms for doctorate must be submitted to the School of Graduate Studies (approved supervisory committee form should already be on file) to meet deadline for 2004 Commencement program.
December 5	Last day of classes
December 8-12	Final examinations
December 12	Last day to complete degree requirements for fall semester

Spring Semester 2004

November 28, 2003	Program of Study for master's/doctorate and <i>Application for Candidacy</i> forms for doctorate must be submitted to the School of Graduate Studies (approved supervisory committee form should already be on file) to meet deadline for 2004 Commencement program.
January 5	Classes begin
January 19	Holiday (Martin Luther King, Jr. Day)
February 13**	Committee-approved thesis/dissertation must be submitted to the School of Graduate Studies for review.
February 16	Holiday (Washington and Lincoln Day)
March 8-12	Spring break
April 2**	All graduation forms must be completed and submitted to the School of Graduate Studies along with proof of payment of all fees.
April 2**	Thesis/dissertation must be approved by the thesis coordinator.
April 2**	Letter of completion from department head (nonthesis programs) must be on file in the School of Graduate Studies Office.
April 2**	Incomplete grades must be changed and posted on transcript.
April 16**	Three copies of the approved thesis/dissertation must be submitted to the Serials Department of the Library.
April 23	Last day of classes
April 26-30	Final examinations
April 30	Last day to complete degree requirements for spring semester
April 30	Hooding
May 1	Commencement

*Deadline for inclusion in the 2003 Commencement program.

**Deadline for inclusion in the 2004 Commencement program.

Graduate Degrees, Majors, and Certificate

Utah State University offers the following graduate degrees:

Master of Accounting (MAcc)
 Master of Arts (MA)
 Master of Business Administration (MBA)
 Master of Computer Science (MCS)
 Master of Dietetics Administration (MDA)
 Master of Education (MEd)
 Master of Engineering (ME)
 Master of Family and Human Development (MFHD)
 Master of Fine Arts (MFA)
 Master of Food Microbiology and Safety (MFMS)
 Master of Landscape Architecture (MLA)
 Master of Mathematics (MMath)
 Master of Natural Resources (MNR)
 Master of Professional Studies in Horticulture (MPSH)
 Master of Rehabilitation Counseling (MRC)
 Master of Science (MS)
 Master of Second Language Teaching (MSLT)
 Master of Social Sciences (MSS)
 Civil Engineer (CE)
 Educational Specialist (EdS)
 Electrical Engineer (EE)
 Doctor of Education (EdD)
 Doctor of Philosophy (PhD)

Following is a list of the academic areas, or majors, within which degrees are offered and the degree(s) for each:

Accounting MAcc
 Agricultural Systems Technology MS
 American Studies MA, MS
 Animal Science MS, PhD
 Applied Economics MS
 Art MA, MFA
 Biochemistry MS, PhD
 Biological and Agricultural Engineering MS, PhD
 Biology MS, PhD
 Biometeorology MS, PhD
 Bioregional Planning MS
 Bioveterinary Science MS, PhD
 Business Administration MBA¹
 Business Information Systems MS
 Chemistry MS, PhD
 Civil and Environmental Engineering ME, MS, CE, PhD
 Communication MA, MS
 Communicative Disorders
 and Deaf Education MEd, MA, MS, EdS
 Computer Science MS, MCS, PhD
 Dairy Science MS
 Dietetics Administration MDA
 Ecology MS³, PhD³

Economics MA, MS, PhD
 Education EdD¹, PhD¹
 Electrical Engineering ME, MS, EE, PhD
 Elementary Education MEd, MA, MS
 English MA, MS
 Family and Human Development MS, MFHD
 Family Life PhD¹
 Fisheries Biology MS, PhD
 Food Microbiology and Safety MFMS
 Forestry MS, PhD
 Geography MA, MS
 Geology MS
 Health, Physical Education and Recreation MEd, MS
 History MA, MS
 Horticulture, Professional Studies in MPSH
 Human Environments MS
 Human Resources MS
 Industrial Mathematics MS
 Industrial Technology MS
 Instructional Technology MEd, MS, EdS, PhD
 Irrigation Engineering MS, PhD
 Landscape Architecture MLA
 Mathematical Sciences PhD
 Mathematics MS, MMath
 Mechanical Engineering ME, MS, PhD
 Natural Resources MNR¹
 Nutrition and Food Sciences MS, PhD
 Physics MS, PhD
 Plant Science MS, PhD
 Political Science MA, MS
 Psychology MS, PhD
 Range Science MS, PhD
 Recreation Resource Management MS, PhD
 Rehabilitation Counseling MRC
 Second Language Teaching MSLT
 Secondary Education MEd, MA, MS
 Social Sciences MSS¹
 Sociology MA, MS, PhD
 Soil Science MS, PhD
 Special Education MEd, MS, EdS, PhD
 Statistics MS
 Theatre Arts MA, MFA
 Toxicology MS¹, PhD¹
 Watershed Science MS¹, PhD¹
 Wildlife Biology MS, PhD

Certificate:

Natural Resource and Environmental Policy²

¹Interdisciplinary degree program.

²Interdisciplinary certificate program.

³The MS and PhD in Ecology are offered within each of the following departments: Biology; Fisheries and Wildlife; Forest Resources; Plants, Soils, and Biometeorology; and Rangeland Resources.

Graduate Financial Assistance

Applications for assistantships, fellowships, and other financial aid should be made through departmental offices. In addition to the information in this section, information on scholarships and fellowships for graduate students is included in the *Financial Aid and Scholarship Information* section (pages 22-41).

Along with most graduate schools in the United States, USU is a party to a resolution of the Council of Graduate Schools that establishes April 15 as the deadline for acceptance of offers of financial assistance. If a student accepts an offer before April 15 and then wishes to withdraw, a resignation of the appointment may be submitted in writing at any time through April 15. However, after April 15 a student is not to accept another offer without first obtaining a written release from the institution to which a commitment has been made.

Graduate Assistantships

Teaching, research, and other graduate assistantships are available in most of the departments of the University. A full-time assistantship is 20 hours per week. In the interest of timely degree completion, graduate students are generally employed by the University for *no more than* 20 hours per week. Employment for more than 20 hours per week must be approved by the student's advisor and degree-program department head. Graduate assistants must be full-time, matriculated students. For students employed as graduate assistants, full-time status is based on the full-time equivalent or FTE. A 0.25 to 0.374 FTE requires a student to enroll for 9 graduate-level credits; a 0.375 to 0.50 FTE requires a student to enroll for 6 graduate-level credits (see also *Student Classifications* section, pages 73-74). Graduate assistants must maintain a grade point average (GPA) of 3.0 or higher for those courses included on their Program of Study. However, if a Program of Study has not been submitted to the School of Graduate Studies, a cumulative GPA is computed using all of the student's coursework at USU since the prior degree. The GPA is checked by the School of Graduate Studies at the end of each semester. The cumulative GPA on the last 60 semester credits will be used to determine eligibility as a graduate assistant if the student has not yet started the graduate program. Graduate assistants may register for a maximum of 12 credits per semester. However, a research assistant whose assistantship involves his or her thesis or dissertation research may register for additional credits, as explained below.

Teaching Assistantships/Graduate Instructors. Graduate students may be teaching assistants or graduate instructors in departments. Teaching loads vary up to a maximum of 20 hours per week and stipends vary depending on the department and the teaching load.

International students may be considered for teaching assistantships if they demonstrate adequate proficiency in English communication, as determined by Utah State University's Intensive English Language Institute, and have participated in the required workshop.

All teaching assistants and graduate instructors are required to participate in a training workshop sponsored by the School of Graduate Studies prior to beginning their assistantships. The workshops help students gain the techniques and skills to be effective instructors in the university environment. The workshop for international students also aids students in understanding the American university culture and in improving communication. When a teaching assistant workshop has been successfully com-

pleted, 1 credit will be added to the student's transcript. However, this credit cannot be applied toward a graduate degree program.

Research Assistantships. Stipends and workloads for research assistants vary, with a maximum workload of 20 hours per week. Students conducting research that will be used for their thesis or dissertation may register for 4 research or thesis credits above the 12-credit limit.

Federal College Work-Study Assistantships. Graduate students may apply for work-study support by completing an online application at <http://www.fafsa.ed.gov>.

Waiver of the Nonresident Portion of the Tuition Fee. A nonresident student who holds a graduate assistantship and is receiving at least \$250 per month may be awarded a waiver of the nonresident portion of tuition for courses in the student's degree program. Out-of-state, noninternational graduate students who receive nonresident tuition waivers must apply for Utah residency at the end of their first year of study. Waivers *cannot* be used to audit classes. Waivers *cannot* be used for coursework below the 5000 level, *unless* the course is on the student's Program of Study or required by the student's supervisory committee, as indicated by a letter from the committee chair.

Resident Tuition Remission for Doctoral Students. A student who is matriculated in a doctoral degree program and is a graduate assistant or graduate fellow receiving at least \$600 per month may be awarded a resident (instate) tuition remission. The student must be registered for at least 9 graduate-level credits. If credits other than those required for the doctoral degree are needed to meet the 9-credit requirement, registration must be for Dept. 7990 (Continuing Graduate Advisement). A doctoral in-state tuition remission *cannot* be used to audit classes or for coursework below the 5000 level.

Waiver/Remission. The department head must submit a waiver/remission request to the graduate dean for approval no later than the first day of classes for the semester. The waiver and/or remission must be used before the last day for registering or adding classes in the semester for which it was awarded (15th day of classes). The waiver and/or remission are available for a maximum of 12 credits per semester, with the number of eligible credits indicated on the Program of Study, which must be submitted by the end of the second semester for a master's student and the end of the third semester for a doctoral student. Audited courses do not qualify for waiver/remission. For more information, refer to the Graduate Student Tuition Waivers and Remission Policy on the School of Graduate Studies website: <http://www.usu.edu/gradsch/TuitionWaiverPolicy.htm>.

Western Regional Graduate Programs (WRGP)

Residents of participating states may enroll in graduate programs approved as Western Regional Graduate Programs (WRGP) by the Western Interstate Commission for Higher Education (WICHE) without paying nonresident tuition. USU's WRGP degrees are the MS and PhD in Agricultural Meteorology, Toxicology, and Watershed Science; and the MS in Atmospheric and Space Sciences. Information is available in the School of Graduate Studies.

Fellowships

Fellowship and scholarship awardees must be full-time, matriculated students enrolled in approved graduate-level course-

work. Application for these, as well as for departmental fellowships and awards, is made through the departments, except for the Martin Luther King Fellowship (see page 72).

Presidential Fellowships include a \$12,000 stipend for the academic year, a waiver of the nonresident portion of tuition, and for doctoral students, the resident tuition remission. Criteria include a 3.50 GPA and quantitative and verbal GRE scores at the 70th percentile or above.

Vice President for Research Fellowships include a \$12,000 stipend for the academic year, a waiver of the nonresident portion of tuition, and for doctoral students, the resident tuition remission. Criteria are the same as for the Presidential Fellowships. In addition, the student must be in a research degree program that includes a master's thesis or doctoral dissertation.

University Fellowships also include a \$12,000 stipend for the academic year, a waiver of the nonresident portion of tuition, and for doctoral students, the resident tuition remission. Criteria are the same as for Presidential Fellowships.

Martin Luther King Fellowships are available to African-American students. The fellowship is typically for \$2,000 and includes a waiver of the nonresident portion of tuition. The department usually awards an assistantship or other support, the amount of which varies. Application for this fellowship is made through the School of Graduate Studies.

Scholarships

Resident Tuition Scholarships. Scholarships covering the resident portion of tuition are available each semester on a com-

petitive basis through the departments. Awardees must be full-time matriculated students and must maintain a 3.0 or higher GPA.

Seely-Hinckley Scholarships are awarded each year to four graduate students with superior academic records. College deans nominate, for the following school year, outstanding scholars who would not be able to attend or would be delayed in attending USU without financial assistance.

Other Financial Assistance

Many students who do not receive assistantships or fellowships receive financial assistance by working for departments or other campus units. Graduate students are generally not employed by the University for more than 20 hours per week. Employment beyond 20 hours per week must be approved by the student's advisor and degree-program department head.

Graduate students may apply for Federal Stafford Loans, Federal Perkins Loans, Federal Supplemental Loans for Students (SLS), Emergency Loans, and Federal College Work-Study through the Financial Aid Office. More information can be found in the *Financial Aid and Scholarship Information* section of this catalog, page 22, or by contacting: Financial Aid Office, Taggart Student Center 106, Utah State University, 1800 Old Main Hill, Logan UT 84322-1800, tel. (435) 797-0173. Also visit the following website: <http://www.usu.edu/finaid/>.

For information about **GI Bill Benefits**, contact: Office of Veterans Services, Taggart Student Center 204, Utah State University, 1600 Old Main Hill, Logan UT 84322-1600, tel. (435) 797-1102.

Graduate Admission Procedures

School of Graduate Studies
Utah State University
0900 Old Main Hill
Logan UT 84322-0900
tel. (435) 797-1189

Requirements

Application-for-admission forms are obtained from and returned to the School of Graduate Studies. The form must be accompanied by a nonrefundable application fee of \$40 for U.S. citizens and international students. **Note: Fees must be paid before applications will be evaluated.**

Dual Degrees. A student may apply for only one degree program at a time. If a student wishes to be considered for two degree programs, an application should be submitted for the first degree program. If admission is granted, the student may then apply for a second degree program after submitting a letter from the head of the department to which the student has been admitted. The letter should indicate that the department has no objection to the student applying for the second degree program. This application process applies to both separate and concurrent degree programs (see *Concurrent Degrees*, p. 80).

Bachelor's Degree. A bachelor's degree from an accredited college or university is required for admission to a graduate program. A three-year bachelor's degree is generally not acceptable. A master's degree may be required for admission to a doctoral program.

Grade Point Average. A minimum 3.0 GPA for the last 60 semester credits is required.

Transcripts. Each previously attended college and/or university, including USU, must be listed on the application form, and the applicant must have an official transcript from each institution (except USU) sent directly to the USU School of Graduate Studies. Transcripts accumulated on one record are not acceptable. Transcripts must be submitted for **all** coursework above the high-school level and **all** prior degrees. Transcripts not in English must be accompanied by a notarized translation.

Transcripts submitted as application credentials become the property of the School of Graduate Studies and will not be copied for or returned to the applicant.

Admissions Tests. An admission test is required of all applicants. Scores at or above the 40th percentile are required by the School of Graduate Studies. Departments may set higher criteria. Most applicants must take the Graduate Record Examination (GRE) general test (minimum of 40th percentile on the verbal and quantitative tests). Some departments will accept the Miller Analogies Test (MAT) for master's degree applications. Applicants to the Master of Business Administration, the MS in Business Information Systems, and Master of Accounting programs are required to take the Graduate Management Admission Test (GMAT). Registration forms for the GRE and the GMAT are available at the School of Graduate Studies. Applicants should request that their test report be sent directly to the School of Graduate Studies. The official test report must be received before an application is considered complete.

Recommendation Letters. Three letters of recommendation are required; each must address the applicant's potential for success in the proposed graduate degree program. If the applicant has been enrolled in school during the last five years, at least two of the letters must come from persons from whom the applicant has taken academic coursework. The letters must be sent directly to the School of Graduate Studies by the writers. The forms for letters of recommendation (included in the application packet) should be used.

All materials submitted as part of the application credentials become the property of the School of Graduate Studies and will not be copied or returned to the student.

International Applicants. International applicants from non-English-speaking countries must demonstrate competency in the English language. A minimum score of 550 on the Test of English as a Foreign Language (TOEFL), which is administered throughout the world, satisfies that requirement, unless the student's department requires a higher score. An official TOEFL score is required. The TOEFL score is valid for only two years. If an international applicant has a degree from a university in an English-speaking country, the TOEFL is not required.

An applicant who is admitted with a TOEFL score below 550 or below a departmentally required minimum, and who has not obtained a degree in an English-speaking country, must take the English Language Placement Test given by the Intensive English Language Institute (IELI) at USU. The test must be taken before a student is allowed to register. The results of the exam are used to place students into one of three categories: (1) full-time study of English in the Intensive English Language Institute; (2) a combination of English-language study and academic study, if approved by the IELI director, the student's advisor, and the graduate dean;

or (3) full-time academic studies. Students placed in the Intensive English Program must remain in the program until the required English proficiency is attained. Those in category (1) are not allowed to register for non-IELI classes.

International students must also submit an I-20 application form and a financial guarantee. Because of immigration regulations, international students cannot be admitted to provisional matriculation.

Application Target Dates

Completed application forms, transcripts, letters of recommendation, test scores, and the application fee should be submitted on or before the following dates (some departments have different deadlines; see departmental descriptions). It may not be possible to process applications for the following semester when they are submitted after the target date.

March 15 for summer semester
June 15 for fall semester
October 15 for spring semester

As soon as an application is complete, a recommendation is made by the appropriate department to the graduate dean, who must approve all admissions. The official notification of acceptance or rejection is sent by the graduate dean.

Program Continuity

A fee of \$20 is charged if a student begins a graduate program before or after the semester for which he or she was accepted. If a graduate student's attendance is interrupted for more than one semester, the department or the School of Graduate Studies may require the student to reapply for admission.

Graduate General Regulations

Each graduate student is responsible to know the policies, regulations, and procedures of the School of Graduate Studies and of his or her department or program, and to see that they are followed and that the timelines are met. The policies and regulations stated in this catalog and in departmental handbooks may be changed between publication dates, and students are responsible to obtain up-to-date information.

Time Limit

A master's degree must be completed within six years of matriculation. A doctorate must be completed within eight years of matriculation.

Coursework that is more than eight years old may not be used for a graduate degree. If permitted by the departmental or interdepartmental degree program policy, a supervisory committee may allow revalidation through testing, following a plan developed by the supervisory committee and approved by the dean of the School of Graduate Studies. The results must be verified in writing to the graduate dean by the student's major professor or other person(s) responsible for the testing. Work experience cannot be substituted for out-of-date coursework or used for revalidation.

Graduate credits from another institution that exceed the eight-year limit at the time of degree completion may be transferred to a USU graduate degree only if the student's supervisory committee

provides a justification acceptable to the graduate dean. Then, the revalidation procedures described above apply.

Student Classifications

A **matriculated graduate student** has been accepted by a department, with the concurrence of the dean of the School of Graduate Studies, to an approved graduate degree program and has enrolled at the University. A student may be accepted on a **provisional** matriculation basis when (1) information, such as GRE scores, is yet to be received by the School of Graduate Studies, or (2) when a missing prerequisite or academic deficiency must be remedied. The conditions and time limit for meeting these deficiencies must be specified to the student in writing at the time of admission. If the conditions are not met as specified, the student's participation in the degree program will be terminated. International students cannot be admitted on provisional status.

A **full-time matriculated graduate student** must be one of the following:

1. Registered for 9 or more graduate credits; or
2. Registered for 6 or more graduate credits if employed as a graduate assistant for 15 hours per week or more; or
3. Registered for 3 graduate credits with all required coursework completed and only the research component of the de-

gree remaining (the student's Program of Study must have been submitted to the School of Graduate Studies); or

4. Registered for at least 3 graduate credits during the semester of the final thesis/dissertation defense or, in a nonthesis degree program, the last semester of coursework required on the student's Program of Study.

5. Registered for at least 9 graduate credits for each semester in which the doctoral tuition remission is received.

Registration for 1 graduate credit during the semester of approval of a thesis or dissertation or the semester of completion of requirements in a nonthesis master's degree program does not qualify a student for full-time status.

A **matriculated-probationary graduate student** has been placed on warned status because of inadequate progress in his or her degree program. The conditions to be met and the time limit for meeting them must be specified to the student in writing at the time he or she is placed on probation. If the conditions are not met as specified, the student's participation in the degree program will be terminated.

Graduate assistants and fellowship recipients must be full-time matriculated students with a GPA of 3.0 or above, and must be registered each semester of the assistantship or fellowship, including summer.

A **nonmatriculated postbaccalaureate student** holds a bachelor's degree, is enrolled for USU coursework, but has not been accepted to a graduate degree program. If an application for graduate studies has been submitted to the School of Graduate Studies, a student may apply through the School of Graduate Studies to enroll as a nonmatriculated student. If the student does not intend to pursue a graduate degree, the student should apply to the undergraduate Admissions Office to enroll as a nonmatriculated student. A **maximum of 12 semester credits** earned as a nonmatriculated, postbaccalaureate student may be used in a graduate degree program, but only if approved by the student's supervisory committee.

An international student with a bachelor's degree who wants to take graduate-level coursework at USU, but not be in a graduate degree program, must apply through the undergraduate Admissions Office, Utah State University, 1600 Old Main Hill, Logan UT 84322-1600, tel. (435) 797-1096. For other information about the University, he or she can contact the International Students and Scholars Office, Utah State University, 0140 Old Main Hill, Logan UT 84322-0140, tel. (435) 797-1124.

Split Form Policy

An undergraduate student doing well in his or her studies and planning a graduate degree at USU may file a Split Form to request that some coursework be reserved (split out) from the undergraduate degree. The instructor's permission is required for an undergraduate student to register for graduate courses. For a Split Form to be approved, the student must be within 30 semester credits of completing bachelor's degree requirements, have filed an Application for Graduation in the Graduation Office, have a cumulative undergraduate GPA of 3.0 or higher at the beginning of the semester listed on the Split Form, and have applied for admission to the School of Graduate Studies. In accordance with School of Graduate Studies admission policy (see page 72), a transitional student will not be matriculated in the School of Graduate Studies until his or her bachelor's degree has been completed. A maximum of 9 semester credits may be split out during a bachelor's program, and a total of not more than 12 Split Form and nonmatriculated semester credits may be used in a graduate

degree program, but only if approved by the student's supervisory committee.

A Split Form, which must include one or more undergraduate courses from the student's Application for Graduation, should be filed in the School of Graduate Studies, along with a copy of the Application for Graduation, before grades are posted for the semester requested to be split. A Split Form cannot be processed after the bachelor's degree has been closed out. The form must be signed by the undergraduate advisor and the graduate department head or departmental graduate program chair/coordinator before it is submitted to the School of Graduate Studies. If approved by the dean of the School of Graduate Studies, the form will be processed and forwarded to the Graduation Office. Approval of a Split Form does not guarantee acceptance to the School of Graduate Studies.

Course-Level Numbering and Acceptability

7000-7990 are doctorate-level courses. With supervisory committee and instructor approval, they may be used in a master's program.

6000-6990 are master's-level courses. With supervisory committee approval, they may be used in a doctoral program.

5000-5990 are advanced, upper-division courses and may be used in a graduate program if approved by the supervisory committee.

3000-4990 are junior/senior, upper-division undergraduate courses. Up to 3 semester credits of coursework at this level **may be used** (see below).

No more than 15 semester credits of 3000-5990 level coursework may be used for a graduate degree, except for a doctorate without a master's degree, for which a total of 21 semester credits of 3000-5990 level coursework may be used. Up to 3 semester credits of coursework at the 3000-4990 level may be included within the 15 or 21 semester credit limit, upon recommendation by the student's supervisory committee and approval by the graduate dean. To be approved, such courses must be outside the student's graduate-degree field. Courses that students entering the graduate program are expected to have taken as undergraduates and prerequisites for graduate courses are not acceptable.

2990 and below are lower-division courses and are not acceptable for graduate degree programs of study.

6990 and 7990 (continuing graduate advisement) credits, **Inst 7920**, and **IELI 7920** cannot be used in a degree program.

Audited courses may not be used for a degree program or toward status as a full-time student. Credits in the following areas are not acceptable in a degree program: foreign languages, continuing graduate advisement, individual home study, military science, and courses numbered below 3000. No more than 12 workshop credits may be applied to a master's degree.

Minimum Grades and Credit Acceptability

Graduate students are required to maintain at least a 3.0 GPA for degree-program courses. Grades below *C* will not be accepted for a graduate degree. Some departments do not accept *C* grades.

P-Grade Policy. *P* (Pass) will be accepted only for seminars, special problems, interdisciplinary workshops, thesis or dissertation research, and continuing graduate advisement. Credits for a course with a *P* grade cannot be transferred from another university.

Correspondence Course Credits. Continuing Education correspondence (independent home study) courses are not accepted for graduate degrees.

Credit by Special Examination. Credit earned by special examination cannot be used to satisfy the course requirements for a graduate degree or to meet the residency requirement.

Transfer Credits

A student's supervisory committee may recommend transfer of **graduate** credits earned at another accredited institution. The credits must not have been used for another degree. Only 12 semester credits earned before matriculation at USU may be transferred. Credits with *P* grades cannot be transferred. Transfer credits cannot replace required residency credit. Transfer credits are subject to approval of the supervisory committee and the dean of the School of Graduate Studies (see *Time Limit*, page 73).

Rights in Inventions

It is the student's responsibility to be aware of University policy in regard to rights in inventions. (Information is available in the Office of the Vice President for Research.)

Research Approval

All University research involving human subjects, animal subjects, radiation materials, recombinant DNA, or biohazardous materials must be reviewed and approved by the appropriate University committee(s) **before the research is started**. Graduate students are, with the assistance of their advisors, responsible for obtaining the necessary approval for their research. Verification of approval must be submitted to the School of Graduate Studies before the student's master's Program of Study or doctoral Application for Candidacy can be approved. For further information, contact the School of Graduate Studies or the Office of the Vice President for Research.

Continuous Graduate Registration

Graduate students using University facilities or faculty time must be registered for a minimum of 3 graduate credits every semester until completion of all degree requirements, except, in some cases, the semester of final thesis or dissertation approval (see below). Students employed as graduate assistants or graduate instructors during all semesters, including summer, must be registered as full-time matriculated students (see pages 73-74). More than 3 credits of continuous registration may be required by a department. An off-campus student in a planned Extension program who is enrolled in a 1- or 2-credit course that is the only course offered locally that semester may be approved by the graduate dean for continuous registration upon written recommendation of the department head. Continuous registration may be for courses, seminars, independent study, research credit, or 6990 or 7990 (Continuing Graduate Advisement). The continuous registration requirement goes into effect the semester a student matriculates in the School of Graduate Studies.

A graduate student who is not using University facilities or faculty time may meet the continuous registration requirement by paying the **Continuous Registration Fee** of \$15 per semester (not necessary for summer semester). This alternative requires a written request from the department head, including verification that the student is not using University facilities and/or faculty time. International students usually do not qualify to pay the Continuous Registration Fee because of immigration regulations.

The semester a student defends (or redefends) a thesis, Plan B paper, or dissertation or takes final oral examinations, he or she must be registered for at least 3 credits. Doctoral and master's

Plan A and Plan B students will be given until the last day of the next semester following the defense to finish degree requirements. Plan C students will be given until the last day of the next semester after coursework completion to finish degree requirements. If a student has not completed all degree requirements by the end of the grace semester, the student must register for at least 1 credit the semester of completion and pay the Continuous Registration Fee for any intervening semesters for which he or she did not register. If working with faculty involves more than routine submission of the thesis or dissertation to the thesis coordinator, registration for 3 or more credits is required.

Leave of Absence

A leave of absence, during which continuous registration is not required, may be granted under the following conditions:

1. Illness, required military service, and other extenuating circumstances acceptable to the department head and the graduate dean.
2. Lack of availability of courses in a planned Extension program.
3. Participation in a planned program based primarily on summer semester courses.

For either 2 or 3, the student must have an approved Program of Study on file in the School of Graduate Studies before a leave will be granted.

A leave of absence must be approved by the graduate dean, upon written recommendation of the department head. A leave of absence may be the basis for extending the time limit to complete a degree, but not to extend the time limit for course validity.

Notice of Failure to Register and Reactivation Procedures

A student who does not maintain continuous registration will be notified and a copy of the notification will be sent to the department. If, after notice, the student fails to register, the department will be notified and the student's records will be put on inactive status. On the recommendation of the department, the student's file may be reactivated, if the time limit for the degree has not expired. The student will be required to pay the Continuous Registration Fees or register for the semesters missed, as determined by the department and the School of Graduate Studies.

Low-Scholarship Notification

Students whose grade point average (GPA) is below 3.0 for any semester will be notified by letter that their academic performance is unsatisfactory. Students whose cumulative GPA falls below 3.0 will be placed on probationary status. If a student remains on probationary status for two consecutive semesters, the School of Graduate Studies will ask the student's department to explain why the student's graduate program should not be terminated. If the department cannot provide compelling reasons to explain why the student should continue graduate study, the student's graduate program will be terminated. In the case of termination, reapplication is required to regain matriculation. Should a student holding a University appointment as a teaching or research assistant or fellow be changed to probationary status, the assistantship or fellowship will be terminated. Until a Program of Study is submitted to the School of Graduate Studies, the GPA will be computed using all coursework completed at USU since the prior degree. Once a Program of Study, approved by the student's supervisory committee and department head, is filed in the School of Graduate Studies, the courses listed on it will be used to com-

pute the student's GPA if approved by the student's department head. Departments may have more restrictive scholarship policies.

Monitoring of Progress

The student's department and the School of Graduate Studies monitor the progress of graduate students. For continued participation in a graduate program, a student must complete requirements in a timely manner. In reviewing a student's progress, several factors will be considered, including demonstrated ability to develop a thesis proposal, independence in the conduct of research, performance on comprehensive examinations, GPA, and special program requirements. Satisfactory progress also involves maintaining the standards of professional ethics and integrity expected in the student's discipline.

Academic Nepotism

A faculty member is not to participate in admission or graduate-assistant employment decisions, serve as major professor, or serve on the supervisory committee of a relative, including a person with whom he or she has or has had an amorous relationship. Graduate students may enroll in classes taught by a relative only under special conditions. For information, contact the department head or the School of Graduate Studies.

Matriculation of Faculty

It is the policy of USU not to grant advanced degrees to its own faculty, except under unusual circumstances (see Faculty Policy 404.1.4).

Academic Honesty and Research Misconduct

Maintaining the highest standards of academic honesty and research ethics is especially important at the graduate level, where students are expected to do original, scholarly work in preparation for future professional and academic roles. Academic dishonesty is defined in the *Code of Policies and Procedures for Students at Utah State University* (September 1999) Article V, Section 3,

Paragraphs a, b, and c (see page 21 of this catalog) to include cheating, falsification of information, and plagiarism.

Violations of the above policy will subject the offender to the University disciplinary procedures as outlined in Article VI, Section 1 of the student *Code*, with the penalties or disciplinary measures to include one or more of the following:

1. **Probation.** Continued attendance at the University is predicated upon the student satisfying certain requirements as specified by the University. Probation is for a designated period of time and includes the probability of more severe disciplinary penalties if the student does not comply with the specified requirements or is found to be violating any University regulations during the probationary period.

2. **Suspension.** Temporary dismissal from the University for a specified time, after which the student is eligible to return. Conditions for readmission may be specified.

3. **Expulsion.** Permanent dismissal from the University.

4. **Denial or revocation of a degree.**

Research is a vital part of the education of most graduate students, and appropriate scientific and research conduct is expected. An allegation of scientific misconduct involving funded research is handled through the Office of the Vice President for Research. If the research is nonfunded, the allegation is handled following the *Code of Policies and Procedures for Students at Utah State University*.

Research misconduct may be determined during a student's program or after the program is completed. If a student is found guilty of research fraud, the penalty may include, in addition to any listed above, correction and reanalysis of data and/or rewriting of the thesis or dissertation, with resubmission and rededense of the thesis or dissertation, and/or loss of financial assistance.

Appeals Procedure

Graduate students with grievances relating to academic matters may appeal to the dean of the School of Graduate Studies following the steps and procedures in the *Code of Policies and Procedures for Students at Utah State University*.

Graduate Degree Requirements

Each graduate student must be aware of degree requirements and must work with his or her major professor, supervisory committee, and department head to meet the requirements and specific deadlines.

Master's Degrees

When a student is accepted to a master's degree program, the department head appoints a temporary advisor, who may become the student's major professor. In most master's degree programs, a supervisory committee will be established for each student. During the first semester following matriculation, the student should meet with the department head to discuss the appointment of a supervisory committee. A completed **Supervisory Committee** form should be submitted by the department head to the dean of the School of Graduate Studies for final approval by the end of the student's first semester. Committee changes are not to be made during the six weeks prior to the final defense.

A master's degree supervisory committee must include at least three faculty members who are approved by the department head and the dean of the School of Graduate Studies. At least one member must represent the student's area of specialization, and at least one must be from outside the specialization area. Adjunct faculty can be members with the approval of the dean of the School of Graduate Studies.

Within School of Graduate Studies and departmental requirements, the supervisory committee determines the courses for the student's Program of Study; conducts departmental qualifying examinations (if required); supervises the student's thesis research, Plan B paper, or project; and conducts the defense or final examination. The defense or final examination must be scheduled through the School of Graduate Studies. The major professor, who serves as the chairperson of the committee, usually directs the thesis, paper, or other degree project.

Three copies of a **Program of Study** form, one of which must be the original with signatures in ink, should be submitted to the

School of Graduate Studies by the student before the end of the second semester following matriculation. The Program of Study must be submitted at least two months prior to the final examination or, for Plan C programs, completion of coursework. Amendments to the Program of Study require the signature of the major professor and written notification to each member of the supervisory committee.

Plan A. The Plan A option for a master's degree requires preparation of a thesis. From 6-15 semester credits of thesis research are required. The semesters during which a student registers for thesis credit should correspond as closely as possible to the semesters in which the thesis work is done and faculty supervision is provided.

The thesis for a Plan A master's degree is to be a contribution to the field of knowledge based on the student's own research or a treatment and presentation of known subject matter from a new point of view. The student and major professor should decide upon a problem or subject for the thesis study by the end of the student's first semester of graduate study.

A **Thesis Proposal**, signed by the entire committee, should be submitted by the student to the School of Graduate Studies along with the **Program of Study** form.

The student and all committee members are required to sign a **Data and Copyright** form and a **Plans for Publication** form. The forms are given to the student with his or her copy of the approved Supervisory Committee form and must be submitted to the School of Graduate Studies **prior to the final defense**.

Plan B. The Plan B option requires the production of a paper or a creative work of art. At least 2 credits of thesis research are required, but no more than 3 credits of thesis credit can be included on the Program of Study.

The Plan B paper is usually a review of literature, with conclusions drawn after conceptualizing an area of inquiry, planning a systematic search, and analyzing and critiquing the acquired information. The summary and conclusions developed should enhance knowledge in the discipline.

Plan B papers and reports should follow the same format specifications as theses and dissertations and are expected to reflect equivalent scholarship standards, even though they may be less intensive and not demand the originality of a Plan A thesis. Plan B papers are defended, but are not reviewed by the School of Graduate Studies thesis coordinator or signed by the graduate dean. Plan B papers must be submitted to the library to be microfiched.

Plan C. A master's degree option with no thesis or Plan B paper is available in some programs. A departmentally approved program that includes a culminating creative or integrative experience must be filed in the School of Graduate Studies. Generally, a course or seminar on research methods is required, but thesis credits are not accepted. Plan C students should contact the School of Graduate Studies early in their final semester to be certain that all degree requirements, including completion of graduation forms, will be met.

Master of Arts. Requirements for the Master of Arts (MA) degree (except in the Art Department) include two years (approximately 15 semester credits) of an acceptable second language, with grades of C or above (unless a higher minimum grade is required by the department), or the equivalent level of learning as determined by testing approved by the supervisory committee and

the graduate dean. One year each of two languages, or the equivalent as determined by approved testing, is acceptable if approved by the student's supervisory committee. Coursework to meet this requirement cannot have been used for another degree and cannot be more than eight years old.

Approved testing procedures include the following:

1. Take and pass (C or above, unless the department requires a higher minimum grade) a language course at the appropriate level (i.e., the final course in a two-year sequence).

2. Take a test given by USU's Languages and Philosophy Department or at the BYU Testing Center and be certified for language equivalency for 15 or more semester credits. To obtain information on languages for which tests are available at USU and BYU, as well as to make arrangements for testing, contact the USU Department of Languages and Philosophy.

3. Arrange testing at another university center or testing agency approved by the department and the graduate dean.

4. For an international student: (a) certification of English competency through either a TOEFL score of 550 or above, a passing score on the IELI English Proficiency Test, or completion of IELI courses; and (b) certification of a second language through 1, 2, or 3 above.

Credit Requirement. The minimum requirement for a master's degree is 30 semester credits, except for a Plan C degree for which the minimum is 33 semester credits. For the MEd degree, the minimum number of semester credits is 36. The Master of Fine Arts is regarded as a terminal degree and requires a minimum of 60 semester credits.

Residency Requirement. At least 24 semester credits for a master's degree must be from Utah State University.

Post-Master's Professional Degrees

Three degrees—the Civil Engineer (CE), Educational Specialist (EdS), and Electrical Engineer (EE)—are designed for students who seek to improve their professional skills and knowledge beyond the master's degree. The minimum requirement for each of these degrees is 30 semester credits beyond the master's degree (60 credits beyond a bachelor's degree). Each degree requires a project report that is prepared to the same format specifications as a thesis, but is not reviewed by the School of Graduate Studies thesis coordinator or signed by the graduate dean.

Doctoral Degrees

When a doctoral student is admitted, the department head appoints a temporary advisor to work with the student until a supervisory committee is established. A **Supervisory Committee** form must be submitted to the dean of the School of Graduate Studies for approval by the end of the student's second semester following matriculation. Committee changes are not to be made during the six weeks prior to the final defense.

A doctoral supervisory committee must include at least five faculty members with doctoral degrees who are approved by the department head and the dean of the School of Graduate Studies. Three members must be from within and at least one must be from outside the department or interdepartmental degree-granting program in which the student is matriculated. Adjunct faculty can serve on doctoral committees with the approval of the dean of the School of Graduate Studies.

The supervisory committee specifies the student's Program of Study; supervises the student's qualifying examination (if there is one) and comprehensive examination, unless some other departmental or program procedure is in place; approves the dissertation proposal and supervises the student's research and preparation of the dissertation; and conducts the final oral examination. The major professor is the chairperson of the committee and usually directs the student's research. Continuation in a doctoral program is contingent upon the availability of a major professor.

By the end of the third semester, the student should have submitted a **Program of Study** to the School of Graduate Studies. Amendments to the Program of Study require the signature of the major professor and written notification to the other members of the supervisory committee.

The student and all committee members are required to sign a **Data and Copyright** form and a **Plans for Publication** form. The forms are given to the student with his or her copy of the approved supervisory committee form and must be submitted by the student to the School of Graduate Studies with the **Program of Study**.

Some departments or interdepartmental programs administer qualifying examinations. Each department or program has the responsibility of administering comprehensive examinations.

Following completion of all or most courses, successful completion of comprehensive examinations, and approval of a proposal for dissertation research, and **at least three months** before the final defense, the student must submit an **Application for Candidacy** form to the School of Graduate Studies, along with a copy of the dissertation proposal, signed by all members of the supervisory committee. Submission of the candidacy form is a major step in the student's program, because the committee and department head thereby attest that the student is ready to conduct independent dissertation research, although successful completion of that requirement is not guaranteed.

Credit Requirement. The minimum requirement for a doctoral degree is 60 approved semester credits in addition to a master's degree, or 90 approved graduate semester credits with no master's degree. Coursework cannot be used for more than one degree.

A minimum of 12 dissertation credits is required for a post-master's doctorate and a minimum of 18 for a no-master's doctorate. The semesters during which a student registers for dissertation credit should correspond as closely as possible to the semesters in which the dissertation work is done and faculty supervision is provided.

Residency Requirement. For the PhD, a minimum of 33 USU credits is required. At least three semesters, two of which must be consecutive, of full-time registration in residency at USU are required. For the EdD, a minimum of 39 USU semester credits is required. At least three semesters must be full-time registration in residence at USU; none of the semesters need to be consecutive, but two full-time semesters must be taken on campus prior to dissertation credit. Some departments also have language requirements.

With the approval of the supervisory committee and the graduate dean, graduate credit may be transferred from an accredited graduate school, provided the minimum residency requirements are met and the credit has not been used for any other degree. Transfer credit more than eight years old may not be acceptable (see **Time Limit** section, page 73). Transfer credits will be shown on official USU transcripts upon completion of the degree.

Preparation and Approval of Theses, Plan B Papers, and Dissertations

Before beginning work on a thesis, Plan B paper, or dissertation, a student should obtain the *Publication Guide for Graduate Students*, available online or at cost from the USU Bookstore or Copy Center I (Main 15), and the style manual or journal approved by the supervisory committee and/or department. These documents will guide the student in the proper preparation of his or her manuscript. Theses and dissertations may be prepared in either traditional or multiple-paper format. One article or article-manuscript may **not** be submitted as a thesis or dissertation.

Preparation of a thesis, Plan B paper, or dissertation is the culminating learning experience for a graduate student. The quality of the product, which should represent the student's own best work, is the responsibility of the student. Monitoring the quality of the thesis, Plan B paper, or dissertation and mentoring the student in writing are responsibilities of the major professor, with the assistance of the supervisory committee. Editing by anyone other than the major professor and the supervisory committee should be limited to mechanics, such as spelling and grammar.

Drafts of sections should be submitted periodically to the major professor for critique. Committee members should be consulted, especially on sections that involve their special expertise. The School of Graduate Studies thesis coordinator (in Main 164) will review an early draft for format and style.

Oral Examination and Defense. The final defense should be scheduled by the student after all courses and the thesis, Plan B paper, or dissertation are completed. Changes in the membership of a supervisory committee cannot be made during the six weeks prior to the defense without a written request from the department head and approval of the graduate dean.

At least four weeks prior to the defense, the student shall give a copy of the thesis, Plan B paper, or dissertation to each member of the supervisory committee for approval or corrections. An **Appointment for Examination** form must be completed by the student and committee, indicating approval of the proposed time and place for the examination and defense, and submitted by the student to the School of Graduate Studies **a minimum of ten working days** prior to the exam.

The deadline for completing degree requirements is the last day of the semester. When the defense is scheduled during a semester break, the student must enroll for at least 3 credits the following semester.

No committee member should agree to proceed with a defense until he or she has carefully read and approved the thesis, Plan B paper, or dissertation. If any member of a committee believes that the document is not ready to be defended, he or she should notify the student and major professor and not sign the Appointment for Examination form. The defense should then be rescheduled.

The oral examination of the thesis, Plan B paper, or dissertation is a defense of a final document. Only minor changes, usually editorial, should be required following the defense. If major changes are required, a defense of the revised document should be held.

The chairperson of the examination is appointed by the graduate dean. At the examination, the student defends his or her thesis, Plan B paper, or dissertation and answers questions about the area of specialization. The results of the defense and any additional requirements are recorded on the **Record of Examination Completion** form, which is submitted to the School of Graduate Studies.

All members of the supervisory committee must approve and sign the thesis, Plan B paper, or dissertation. In the event of lack

of unanimity, the matter is taken to the dean of the School of Graduate Studies.

Any final examination held without following the proper procedures is invalid. Graduate students failing to complete all degree requirements within one year of a successful defense will be required to redefend. Students must register for at least 3 credits the semester of redefense.

The student is responsible for proofreading the thesis/dissertation and having it read and approved by the department before submitting a final committee-approved and signed copy to the thesis coordinator in the School of Graduate Studies. The thesis coordinator will review the paper for proper format and conformity to departmental and School of Graduate Studies standards and will also check to ensure that it is well-written and neatly typed and that grammar, punctuation, spelling, and other writing mechanics are correct. The coordinator will attach a checklist of format, stylistic, and mechanical problems and will mark examples of needed changes on the paper.

Format corrections and required rewriting must be completed before the thesis coordinator will submit the thesis or dissertation to the graduate dean for approval. The graduate dean examines each thesis and dissertation before approving and signing it. Any thesis or dissertation may be selected for further review by members of the faculty not on the student's supervisory committee or by expert reviewers at other institutions before being accepted by the dean.

The student may reserve a processing date for the thesis/dissertation by completing the appropriate form after the thesis/dissertation defense. The final committee-approved and signed thesis/dissertation should be submitted to the thesis coordinator by at least the day before the reserved processing date. If a processing date has not been reserved but the student would like to finish by the end of a semester, he or she must submit the final committee-approved and signed thesis/dissertation to the thesis coordinator at least seven weeks before the last day of the summer or fall semester and at least seven weeks prior to the spring semester commencement deadline (usually 11 weeks). At other times, the signed thesis/dissertation must be submitted at least four weeks prior to anticipated program completion.

Final Steps

The following forms must be completed and submitted to the School of Graduate Studies, before degree requirements are considered completed.

- 1) **Graduation Fee Payment Form** requires \$15 payment at the Cashiers Office.
- 2) **Commencement Data Card**
- 3) **Survey of Earned Doctorates**, if a doctoral student
- 4) **Questionnaire for Hometown News Release**—optional
- 5) **Alumni Card**

In addition, three copies of the thesis or dissertation and one additional copy of the title page and an abstract for Bell & Howell (150-word maximum for theses and 350-word maximum for dissertations) must be turned in to the Serials Department of the Library. The following fees must be paid at this time:

Binding fee for two of the three required copies	\$30
Binding and processing fee for personal copies* . . .	\$15 per copy
Bell & Howell (formerly UMI) Microfilming Fee . . .	\$55 (doctoral)
Bell & Howell (formerly UMI) Microfilming Fee . . .	\$45 (master's)
Bell & Howell Copyright Registration Fee	\$45 (optional)

*The student is responsible for verifying that the personal copies are complete and have been copied and/or printed without errors.

The Serials Department personnel will provide a paper receipt, which must be submitted to the School of Graduate Studies before the degree is considered completed.

The final committee-approved Plan B paper must be taken to Special Collections in the Merrill Library to be microfiched. Special Collections personnel will provide a paper-receipt that must be submitted to the School of Graduate Studies before the degree is considered completed.

Also, incomplete grades must be removed from the student's record by the major professor using forms provided by the Enrollment Services Office. For nonthesis master's programs, the School of Graduate Studies must receive a letter of completion from the department head or interdepartmental program director. **It is the student's responsibility to make sure that these final steps are taken.**

Delay of Publication Policy

A thesis or dissertation must not contain material that cannot be disclosed publicly. However, occasionally it is in the University's best interest to delay disclosure of the contents of a thesis or dissertation while patenting and/or commercial development possibilities are investigated or for a period of report review by a funding agency. In such cases, publication of a thesis or dissertation through submission to the Merrill Library and to Bell & Howell may be delayed without delaying award of the student's degree. A copy of the publication delay policy, including the procedures for requesting a delay in library submission, may be obtained from the School of Graduate Studies.

Diplomas and Commencement

Diplomas are ordered by the registrar's office at the end of each semester. If a student needs verification of completion of a degree before the diploma arrives, the registrar will provide an official **Certificate of Completion**. The actual date of completion is usually the date the graduate dean approves a thesis/dissertation or the date a departmental letter of completion is received by the School of Graduate Studies.

Only students completing degrees by the published Commencement deadline date for a given year will be included in the official Commencement program for that year, although other students who complete requirements by a later date during spring semester, established by the graduate dean, may participate in the Hooding and Commencement ceremonies.

Graduate Interdepartmental Curricula

Interdepartmental

Concurrent Degrees

Students may pursue concurrent master's degrees or concurrent master's and doctoral degrees with the approval of the cooperating departments and the graduate dean.

An application should be submitted for the first degree program. If admission is granted, the student may then apply for a second degree program after submitting a letter from the head of the department to which the student has been admitted. The letter should indicate that the department has no objection to the student applying for the second degree program. To be considered as concurrent degrees, admission to the second degree program must be finalized before the end of the first semester in the first degree.

Guidelines for Concurrent Master's Degree Programs. In special cases, a student may complete concurrently the requirements for two master's degrees in different departments but with fewer than the total credits required by both programs, provided that the following conditions are met:

1. The student must formally apply and be accepted into both programs by the end of the first semester of the student's graduate program.
2. The chairperson of the student's supervisory committee in each department must also be a member of the other committee.
3. The supervisory committee, the two department heads, and the graduate dean must approve the Program of Study for each degree.
4. There can be a maximum of 9 credits of overlap in courses between the two degree programs, and **the overlap must be in the elective or broadening courses.** With the allowance of over-

lapping, a student could thus complete the requirements for both degrees with up to 9 fewer semester credits than the usual minimum total for two degrees.

Guidelines for Concurrent Doctoral-Master's Degree Programs. In special cases, a student may complete concurrently the requirements for a doctorate and a master's degree in different departments with fewer than the total credits required by both programs, provided that the following conditions are met:

1. The student must formally apply and be accepted into both programs by the end of the first semester of the student's graduate program.
2. The student's doctoral supervisory committee must consist of four members from the doctoral department and two members from the master's department if the student is on a thesis plan. The master's committee must consist of two master's departmental members and the chair of the doctoral committee.
3. The student's supervisory committee, the two department heads, and the graduate dean must approve each Program of Study.
4. There may be a maximum of 15 semester credits of overlap in courses between the two degree programs, and **the overlap must be in the elective or broadening courses.** With the allowance of overlapping, a student could thus complete the requirements of both degrees with a minimum of 75 semester credits rather than the usual 90 minimum.

Interdepartmental Degrees, Specialization, and Certificate

Several interdepartmental graduate degrees are offered at Utah State University. These include: the Interdepartmental Doctoral Program in Education (EdD, PhD), the Interdepartmental Program in Ecology (MS, PhD), the Master of Business Administration (MBA), the Interdepartmental Program in Social Sciences (MSS degree), the Interdepartmental Program in Toxicology (MS, PhD), the Interdepartmental Program in Watershed Science (MS, PhD),

the PhD in Family Life, and the Master of Natural Resources (MNR). Also offered is the Interdisciplinary Certificate in Natural Resource and Environmental Policy.

Descriptions of the interdepartmental graduate programs are included alphabetically within the *Instructional Units and Programs* section of this catalog.