

ANNUAL REPORT TO THE FACULTY SENATE
FROM
THE SCHOOL OF GRADUATE STUDIES

1999-2000

SEPTEMBER 12, 2000

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Utah State University's School of Graduate Studies was established in 1945. Forty-three of the 44 departments at USU offer or participate in graduate degrees or specializations, including 6 interdepartmental degree programs. Master's degrees have been offered at Utah State University since 1914 and doctoral degrees since 1950. Overall, USU offers 85 master's degrees, 33 doctoral degrees, and 5 other degrees (Civil Engineer, Electrical Engineer, and 3 Educational Specialist degrees).

The dean of the School of Graduate Studies is responsible for providing leadership in the formulation of policies and regulations for graduate studies and cooperates with the college deans and department heads to promote the quality of graduate education at Utah State University. In addition, the dean and the Graduate School Office staff provide a number of services to departments and students. They process applications for admission and review admissions decisions; monitor supervisory committee assignments, programs of study, and applications for candidacy; review theses and dissertations; and track student progress and verify degree completion. A School of Graduate Studies newsletter, the *Graduate Gazette*,

is used to inform and remind faculty of graduate studies issues, policies, regulations, and time lines. The School of Graduate Studies Office also provides support and advice for the Graduate Student Senate, which represents graduate students in university governance and works to inform graduate students on pertinent issues, policies, regulations, and time lines.

The School of Graduate Studies is involved with the following activities:

- ◆An orientation is conducted each fall by the Graduate Student Senate, with support from the School of Graduate Studies, for incoming graduate students.
- ◆Two workshops required for teaching assistants are sponsored by the School of Graduate Studies. The workshop for international teaching assistants is presented by the Intensive English Language Institute. Funding to provide classroom follow-up for international teaching assistants as a regular component of that workshop has been approved by the Provost. The other workshop, organized by the Department of Instructional Technology, is for graduate students who are native speakers of English. Both workshops are offered twice each year--prior to and then during the fall term.
- ◆The School of Graduate Studies Thesis Coordinator offers thesis/dissertation preparation workshops throughout the academic year.
- ◆Since June 1993, the School of Graduate Studies has organized a hooding ceremony for graduate students on the day prior to commencement.

James P. Shaver was appointed Dean of the School of Graduate Studies as of July 1, 1993, after serving as acting dean from September 1, 1990 through August 31, 1991 and from March 1992 through June 1993. Dean Shaver retired as of July 1, 1999, and Noelle E. Cockett, Professor in the Department of Animal, Dairy and

Veterinary Sciences, was appointed interim dean for July 1, 1999 through January 1, 2001 at which time Thomas Kent will begin his term as graduate dean. The School of Graduate Studies Office includes three professional staff (Admissions Officer, Assistant to the Dean/Thesis Coordinator, and Administrative Assistant), 7.25 FTE classified staff, one part-time payroll employee, and two to three part-time student employees.

Graduate Council

The Graduate Council reviews and approves policies and regulations for graduate studies at USU and advises the dean on their application. Listed below are the Graduate Council members who served in 1999-2000.

<u>Representative</u>	<u>Representing</u>	<u>Term Expires</u>
Thomas D. Bunch	Agriculture	2002
Kenneth R. Bartkus	Business	2001
Mimi Recker	Education	2003
Jagath J. Kaluarachchi	Engineering	2001
Randall M. Jones	Family Life	2000
Gary H. Kiger	HASS	2003
Todd A. Crowl	Natural Resources	2002
Stephan J. Allan	Science	2000
Richard S. Krannich	Faculty Senate	2000
Max P. Peterson	Library	Ex Officio
Noelle E. Cockett	Graduate School	Ex Officio

Dan Ward	Graduate Student Senate President	2000
Ken Wareham	Graduate Student Senate Vice-President	2000

Major Graduate Council Actions: 1999-2000

Revisions to the responsibilities for Graduate Research Assistant, Graduate Teaching Assistant, Graduate Instructor, and General Graduate Assistant were approved (10/15/99).

A proposal from the Department of Economics to offer a Master of Science (MS) in Applied Economics was approved (11/12/99).

A proposal from the Department of Business Administration to offer an Agribusiness Management specialization within the Master of Business Administration (MBA) degree was approved (12/17/99).

A proposal from the Department of Communicative Disorders and Deaf Education to change the names of the MA, MS, MEd, and EdS degree areas from Communicative Disorders to Communicative Disorders and Deaf Education was approved (12/17/99).

Also approved was the request that areas of specialization within the MA, MS and MEd degrees include Audiology, Deaf Education, Speech-Language Pathology, and Early Childhood Communicative Disorders, and the Audiology specialization was added to the EdS degree.

A proposal for a distance education EdD was approved (12/17/99).

A proposal from the Department of Secondary Education for a Master of Education (MEd) Plan C degree was approved (1/19/00).

A proposal from the Department of Special Education and Rehabilitation for a Master of Rehabilitation Counseling (MRC) degree was approved (1/19/00).

The policy for doctoral tuition remission/nonresident tuition waiver was approved (1/12/99).

The Graduate Student Senate (GSS) travel award was increased from \$250 to \$300, effective March 1, 2000. Master's students may receive funding from the GSS once and doctoral students twice (2/16/2000).

A proposal from the Department of Business Information Systems and Education for a new specialization in Electronic Commerce within the MS degree and change in specialization title from Information Systems Management to Management Information Systems within the MS degree was approved (4/19/00).

The Graduate Council recommended continuation of the Civil Engineer (CE) and Electrical Engineer (EE) degrees, previously identified as degrees with one graduate in five years (4/19/00).

The Graduate Council approved the following changes implemented by the School of Graduate Studies:

The deadline for submission of the Appointment for Examination was extended from 5 to 10 working days before the defense (10/15/00).

Students can now reserve a processing date for their thesis or dissertation (11/12/99).

Students will receive a Spring diploma if all degree requirements are finished by the last day of Spring Semester (11/12/99).

A grace semester similar to that available for Master's Plan A and doctoral students was established for Master's Plan B and Plan C students (3/22/00).

The packet of graduation forms previously sent out at the time of defense will now be distributed to the student when the Program of Study is approved (3/22/00).

Funding for Graduate Students

The following funds were made available for student support through the Graduate Dean's office in 1999-2000:

\$180,000	Presidential Fellowships
132,000	Research V. P. Fellowships
96,000	University Fellowships
9,280	Seely-Hinckley Scholarships
9,000	Martin Luther King Fellowships
<u>1,235,828</u>	Out-of-State Tuition Waivers
\$1,662,108	Total

In addition, 60 semesters of in-state tuition waivers for resident students and 30 semesters for nonresidents were awarded (Table 1).

In a memo of May 3, 1999, President George Emert informed USU faculty that he had accepted a proposal to provide in-state tuition remission for doctoral graduate assistants, beginning Fall 2000. The Graduate Council approved the policy for doctoral in-state tuition remission/nonresident tuition waiver in January, 2000.

Graduate Student Travel Funds

The Graduate Student Senate (GSS) administers funds from the School of Graduate Studies and from the Vice President for Research for travel costs for graduate students who present papers at professional meetings. The GSS increased the awards from \$250 to \$300 in March 2000. Master's students are eligible for one award and doctoral students are eligible for two awards during their degree programs

Students can receive funding for USU-generated papers presented up to three months after graduation, with appropriate recognition of USU on the paper.

Of the 140 graduate students who applied for travel funds in 1999-2000, 135 were approved and 127 traveled, for a total expenditure of \$33,853. There were 26 more applications, 30 more awards, and \$6,243 more in expenditures than in 1998-99.

Applications

Applications for graduate study at USU during 1999-2000 totaled 2,825 (Table 2; Table 3 contains quarter/semester information by college), an increase of 16.5% from the 2,360 graduate applications in 1998-99. As of August 11, 2000, 2,607 applications had been received for 2000-01, 8% more than the 2,398 applications that had been received by July 26, 1999 for 1999-2000.

The total number of graduate students accepted by departments for 1999-2000 was 1,564, 55.4% of the applicants. The percentage of acceptances was up from 47.6% for 1998-99.

Enrollments

The total matriculated graduate-student enrollment for Fall 1999 was 2,282, 10.9% of all USU students and a 9.4% increase from Fall 1998 (Table 4). The total of matriculated graduate students plus postbaccalaureate, nonmatriculated students was 3,637, 17.6% of the USU student body, and a 29.2% increase from Fall 1998.

From Fall 1998 to Fall 1999, there was an 11.5% increase in master's students, from 1,716 in 1998 to 1,914 in 1999 (Table 5). There was one fewer

doctoral student in Fall 1999, following a decrease of 28 doctoral students (-7.1%) in Fall 1998.

Degrees Awarded

In 1999-2000, 801 graduate degrees—726 master's degrees, 4 Educational Specialist degrees, and 71 doctorates—were awarded (Table 6). The total number of graduate degrees was 6.9% lower than the 860 awarded in 1998-99 and 0.5% lower than the 797 awarded in 1997-98. The number of master's degrees was 7.0% less than the 781 awarded in 1998-99, and 2.7% more than the 707 awarded in 1997-98. The number of doctoral degrees was down 9.0% from the 78 awarded in 1998-99, and 21.1% less than the 90 doctorates awarded in 1997-98. Tables 7 and 8 list the master's and doctoral degrees awarded by department or interdepartmental program for the last 10 years.

The decline in doctoral-level graduate students since 1995 is especially a concern for USU as a research university. However, the number of graduate applications increased (16.5%; Table 2) and the enrollment in doctoral programs has remained constant (-0.3%; Table 5) since Fall 1998. It is anticipated that applications and enrollment will translate into the awarding of more graduate degrees (Table 6) over the next few years.

Student Diversity

International students continue to contribute to the cultural diversity at USU. Table 9 shows the countries from which international applications were received for 1996-97 through 1999-2000. In Fall 1999, 18.5% of matriculated graduate students were from other countries—16.0% at the master's level and 31.5% at the doctoral

level (Table 10). Enrollment of international master's and doctoral students has increased since 1998 (Table 10). International students received 13.3% of the master's degrees (Table 11) and 28.2% of the doctoral degrees (Table 12) awarded in 1998-99. Table 13 shows international 1999-2000 graduate-degree recipients by country of origin.

American ethnic-minority students continue to be a relatively small percentage of USU's matriculated graduate students (3.0%, $N = 68$) in Fall 1999 (Table 14) and graduate degree recipients (2.6%, $N = 20$ of master's degrees and 9.0%, $N = 7$ of doctoral degrees) in 1998-99 (see Tables 11 and 12).

More women are receiving graduate degrees since 1988-89 (Tables 11 and 12). The number of women receiving master's degrees has increased from 210 (35.5% of master's degrees in 1988-89) to 343 (43.9% of master's degrees in 1998-99). For doctoral degrees, the increase was from 17 (22.7% of doctorates awarded in 1988-89) to 26 (33.3% of doctorates awarded in 1998-99). The number of total graduate degrees awarded to women increased from 227 (34.1%) to 369 (42.9%), a 62.5% increase.

Graduate Mentor Award

The University Outstanding Graduate Mentor Award, established in 1996, is given to a faculty member who exemplifies excellence in the mentoring of graduate students. Dr. Brent C Miller, Professor and Head of the Family and Human Development Department, is the 2000 recipient of this award.

TABLE 1

Scholarship In-State Tuition Waivers
1999-2000

<u>College</u>	<u>Resident Semesters</u>	<u>Nonresident Semesters</u>
Agriculture	6	1
Business	8	1
Education	10	4
Engineering	6	4
Family Life	6	2
HASS	10	4
Natural Resources	4	4
Science	<u>10</u>	<u>10</u>
	60	30

TABLE 2

Graduate Applications for Admission
to Graduate Study
1988-89 to 1999-00

<u>Requested Year of Study</u>	<u>Number</u>
1988-89	2,243
1989-90	(NA, computer failure)
1990-91	2,469
1991-92	2,667
1992-93	3,162
1993-94	2,933
1994-95	3,203
1995-96	2,997
1996-97	3,085
1997-98	2,586
1998-99	2,360
1999-2000	2,825

TABLE 3

APPLICATIONS BY COLLEGE BY QUARTER/SEMESTER,
1995-96 through 1999-2000

College	1995-96	1996-97	1997-98	1998-99	1999-2000
Agriculture					
Summer	7	1	5	4	1
Fall	51	58	44	55	42
Winter	12	8	13	*	*
Spring	8	4	7	14	8
TOTAL	78	71	69	73	51
Business					
Summer	54	47	54	39	70
Fall	385	455	413	325	398
Winter	50	69	59	*	*
Spring	51	37	43	50	110
TOTAL	540	608	569	414	578
Education					
Summer	74	72	59	51	49
Fall	523	666	428	417	539
Winter	55	44	36	*	*
Spring	61	27	39	53	67
TOTAL	713	809	562	521	655
Engineering					
Summer	17	25	40	24	22
Fall	509	505	411	446	523
Winter	41	43	47	*	*
Spring	44	16	29	45	83
TOTAL	611	589	527	515	628
Family Life					
Summer	23	10	6	4	6
Fall	96	120	102	126	114

TABLE 3, continued

Winter	9	4	4	*	*
Spring	<u>11</u>	<u>4</u>	<u>6</u>	<u>15</u>	<u>23</u>
TOTAL	139	143	118	145	143
Humanities, Arts, and Social Sciences					
Summer	12	6	13	7	18
Fall	187	193	185	167	179
Winter	18	14	5	*	*
Spring	<u>5</u>	<u>5</u>	<u>15</u>	<u>31</u>	<u>17</u>
TOTAL	222	218	218	205	214
Natural Resources					
Summer	4	8	11	4	11
Fall	189	210	171	137	129
Winter	25	12	11	*	*
Spring	19	<u>6</u>	<u>15</u>	<u>21</u>	<u>15</u>
TOTAL	237	236	208	162	155
Science					
Summer	10	7	11	10	23
Fall	411	376	268	257	321
Winter	15	20	21	*	*
Spring	<u>21</u>	<u>8</u>	<u>15</u>	<u>58</u>	<u>57</u>
TOTAL	457	411	315	325	401
Quarter Totals					
Summer	201	176	199	143	200
Fall	2351	2583	2022	1930	2245
Winter	225	219	196	*	*
Spring	<u>220</u>	<u>107</u>	<u>169</u>	<u>287</u>	<u>380</u>
GRAND TOTAL	2997	3085	2586	2360	2825

*No longer a Winter Quarter because quarter system changed to semesters.

Source: School of Graduate Studies records

TABLE 4

USU FALL QUARTER/SEMESTER ENROLLMENTS,^a 1993-1999

Year	Total			Undergraduates			Graduate Students ^b			Matriculated Graduate Students			
	N	Change	%	N	Total	%	N	Total	%	N	Total	%	Change
1993	18,399			14,914	81.1		3,485	18.9		2,194	11.9		
1994	20,371	10.7		16,032	78.7	7.5	4,339	21.3	24.5	2,261	11.1	3.1	
1995	19,861	-2.5		16,197	81.6	1.0	3,664	18.4	-15.6	2,289	11.5	1.2	
1996	20,808	4.8		16,703	80.3	3.1	4,105	19.7	12.0	2,321	11.2	1.4	
1997	21,234	2.0		17,472	82.3	4.6	3,762	17.7	-8.5	2,517	11.9	8.4	
1998	19,322	-9.0		16,507	85.4	-5.5	2,815	14.6	-25.2	2,085	10.8	-17.2	
1999	20,865	8.0		17,228	82.6	4.4	3,637	17.4	29.2	2,282	10.9	9.4	
1993-1999	(2,466) ^c	13.4		(2,314) ^c		15.5	(152) ^c		4.4	(88) ^c		4.0	

^aTotal students, budget-related and self-supported.

^bMatriculated and postbaccalaureate, nonmatriculated students.

^cChange, 1993-1999.

Source: Office of Planning and Analysis, *USU Fact Books*.

TABLE 5

USU FALL QUARTER/SEMESTER MATRICULATED
GRADUATE STUDENT ENROLLMENT, BY LEVEL, 1993-99

Year	Master's			Doctorate			Total	
	N	N	%	N	N	%	N	%
1993	1,717			477			2,194	
1994	1,771	54	3.1	490	13	2.7	2,261	3.1
1995	1,791	20	1.1	498	8	1.6	2,289	1.2
1996	1,862	71	4.0	459	-39	-7.8	2,321	1.4
1997	2,120	258	13.9	397	-62	-13.5	2,517	8.4
1998	1,716	-404	-19.1	369	-28	-7.1	2,085	-17.2
1999	1,914	198	11.5	368	-1	-0.3	2,282	9.4
Change 1993- 1999		197	11.5		-109	-22.8	88	4.0

Source: Office of Planning and Analysis; USU Fact Books

TABLE 6

GRADUATE DEGREES AWARDED, 1995-2000

Degree	1995- 1996	1996- 1997	1997- 1998	1998- 1999	1999- 2000
MAcc	33	52	45	14	35
MA	29	22	27	25	25
MAI			1		
MBA	71	81	60	140	124
MCED		0	0	0	3
MEd	99	98	118	163	90
ME	25	17	10	7	17
MES*	0	0	0	0	
MFA	8	10	6	17	10
MF*	0	0	0	0	
MLA	5	8	4	9	9
MMath	0	0	1	1	2
MNR					2
MS	376	415	411	371	389
MSLT					2
MSS	38	29	22	35	18
TOTALS	684	732	705	781	726
CE	0	0	0	1	0
EE	0	0	0	0	0
EdS	4	5	0	0	4
TOTALS	4	5	0	1	4
EdD	0	1	1	2	0
PhD	77	73	89	76	71
TOTALS	77	74	90	78	71
GRAND TOTALS	765	812	797	858	801

*Discontinued

Source: School of Graduate Studies records

TABLE 7										
MASTER'S DEGREES AWARDED AT UTAH STATE UNIVERSITY										
COLLEGE/Department	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
INTERDEPARTMENTAL DEGREES										
Master of Business Administration	81	62	66	53	65	71	81	60	140	124
Master of Natural Resources								0	0	2
Master of Social Sciences	23	45	33	25	19	38	29	22	35	18
Toxicology (MS)	1	2	0	2	3	3	1	0	0	0
Watershed Science (MS)	1	1	2	1	2	2	3	5	6	3
SCHOOL OF ACCOUNTANCY										
Accounting (MAcc)	17	22	18	35	33	33	52	45	14	35
AG SYSTEMS TECHNOLOGY & EDUC.										
Ag. Systems Tech. (MA)	0	0	0	0	0	0	0	0	0	0
Ag. Systems Tech. (MS)	6	5	11	5	3	4	1	4	5	4
ANIMAL, DAIRY & VET. SCIENCES										
Animal Science (MA)	0	0	0	0	0	0	0	1	0	0
Animal Science (MS)	3	5	2	1	1	6	2	0	1	2
Biovet. Science (MA)	0	0	0	0	0	0	0	0	0	0
Biovet. Science (MS)	0	3	2	3	0	2	0	0	0	0
Dairy Science (MA)	0	0	0	0	0	0	0	0	0	0
Dairy Science (MS)	1	1	2	0	0	1	0	1	0	1
ART										
Art (MA)	1	1	1	0	0	1	0	0	0	0
Art (MFA)	4	5	5	7	5	8	6	5	14	8
BIOLOGICAL & IRRIGATION ENG.										
Biol. & Ag. Eng. (MS)	18	13	8	6	4	2	5	1	3	2
Irrigation Eng. (MS)						0	0	6	2	4
Irrigation Sci. (MS)	2	6	0	3	0	0	0	0	0	0
BIOLOGY										
Biology (MS)	3	3	5	6	7	9	6	9	8	6
Biology Ecology (MS)	1	0	1	1	1	0	4	0	1	2
BUSINESS INFORMATION SYSTEMS & EDUC.										
BISE (MS)	25	33	24	28	29	23	28	47	39	25
CHEMISTRY & BIOCHEMISTRY										
Chemistry (MS)	1	2	3	3	0	2	3	4	2	3
Biochemistry (MS)	1	2	2	2	2	3	3	3	1	2
CIVIL & ENVIRONMENTAL ENG.										
CEE (MS)	19	33	24	42	38	30	30	23	36	24
CEE (ME)	0	0	0	2	0	2	1	0	0	6
COMMUNICATION										
Communication (MA)	3	0	1	2	0	0	1	0	1	1
Communication (MS)	3	3	1	0	2	0	3	3	0	2
COMMUNICATIVE DISORDERS										
Communicative Disorders (MA)	0	1	1	1	1	0	0	1	0	0
Communicative Disorders (MED)	8	4	14	7	20	4	24	22	7	29
Communicative Disorders (MS)	14	14	20	23	11	23	21	22	17	23
COMPUTER SCIENCE										
Computer Science (MS)	19	18	23	24	25	24	25	25	12	24

MASTER'S DEGREES AWARDED AT UTAH STATE UNIVERSITY										
COLLEGE/Department	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
ECONOMICS										
Ag. Economics (MA)			0	0	0	0	0	0	0	0
Ag. Economics (MS)	1	1	2	1	4	0	0	0	1	0
Ag. Industries (MAI)	0	0	1	0	0	0	0	1	0	0
Comm. Econ. Dev. (MCED)							0	0	0	3
Economics (MA)	0	0	1	2	2	1	0	1	0	0
Economics (MS)	4	4	8	9	0	4	4	6	3	4
ELECTICAL & COMPUTER ENG										
Electrical Eng. (ME)	15	13	16	17	17	23	16	10	6	8
Electrical Eng. (MES)	0	0	0	0	0	0	0	0	0	0
Electrical Eng. (MS)	6	18	14	8	15	7	10	20	12	14
ELEMENTARY EDUCATION										
Elementary Education(MA)	0	1	0	0	1	0	0	0	0	0
Elementary Education (MED)	37	43	30	41	43	32	47	41	44	30
Elementary Education (MS)	0	6	23	21	22	21	2	0	0	0
ENGLISH										
American Studies (MA)	1	5	6	6	7	8	4	6	3	3
American Studies (MS)	5	5	8	3	0	7	5	4	6	9
English (MA)	9	7	9	7	15	6	9	9	11	8
English (MS)	4	8	13	10	12	6	10	8	13	12
FAMILY & HUMAN DEVELOPMENT										
FHD (MS)	7	12	8	6	7	11	7	13	13	16
FISHERIES & WILDLIFE										
Aquatic Ecology (MS)	0	1	2	0	1	4	3	1	1	0
Fisheries & Wildlife (MS)	5	8	3	3	7	8	3	13	7	5
Fisheries & Wildlife Ecology (MS)	2	3	4	1	6	4	1	4	3	2
FOREST RESOURCES										
Forest Ecology (MS)	1	2	0	0	0	1	1	1	2	1
Forest Management (MF)	0	0	0	0	0	0	0	0	0	0
Forestry (MS)	4	0	0	5	3	6	3	5	4	6
Forestry (MF)	0	1	0	0	0	0	0	0	0	0
Rec Resource Mgt. (MS)	3	0	0	2	0	4	1	1	1	3
GEOGRAPHY										
Geography (MA)					0	0	0	0	0	0
Geography (MS)					1	1	1	5	3	1
GEOLOGY										
Geology (MS)	1	0	6	3	3	3	7	3	6	4
Geology Ecology (MS)	0	0	0	0	0	0	0	0	0	0
HPER										
HPER (MED)	6	6	50	11	5	18	1	20	12	2
HPER (MS)	7	8	12	8	16	14	11	21	10	15
HISTORY										
History (MA)	3	7	3	11	8	11	5	4	4	10
History (MS)	2	7	1	2	2	4	2	1	2	3
HUMAN ENVIRONMENTS										
Human Environments (MS)	0	2	0	6	5	8	11	10	10	13

MASTER'S DEGREES AWARDED AT UTAH STATE UNIVERSITY										
COLLEGE/Department	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
INDUSTRIAL TECHNOLOGY & EDUCATION										
ITE (MS)	10	2	6	3	2	10	2	5	5	6
MIE	0	0	0	0	0	0	0	0	0	0
INSTRUCTIONAL TECHNOLOGY										
Instructional Tech. (MED)	14	9	2	3	1	1	0	2	54	7
Instructional Tech. (MS)	17	28	30	23	33	37	41	39	53	34
LANDSCAPE ARCH & ENVIORN PLAN										
Landscape Archietecture (MLA)	2	3	3	6	6	5	8	4	9	9
Town & Reg Plan (MS)	1	0	2	0	0	1	1	0	0	0
LANGUAGES & PHILOSOPHY										
Second Language Teaching										2
MATHEMATICS & STATISTICS										
Mathematics (Mmath)	0	0	1	0	0	0	0	1	1	2
Mathematics (MS)	6	2	4	3	5	4	2	2	2	5
Statistics (MS)	6	5	5	5	5	3	6	5	5	1
MECHANICAL & AEROSPACE ENG										
Mechanical Eng. (ME)	0	0	0	0	0	0	0	0	1	3
Mechanical Eng. (MS)	3	10	7	12	10	9	7	13	7	16
NUTRITION & FOOD SCIENCES										
NFS (MA)	0	0	0	0	0	0	0	0	0	0
NFS (MS)	1	5	9	6	10	4	6	5	10	8
PHYSICS										
Physics (MS)	8	7	4	9	4	8	7	1	3	3
PLANTS, SOILS, & BIOMETEOROLOGY										
Biometeorology (MA)	0	0	0	0	0	0	0	0	0	0
Biometeorology (MS)	0	0	1	1	0	0	0	0	1	0
Physical Ecology (MS)	0	0	0	0	0	0	0	0	0	0
Plant Ecology (MS)	0	0	0	0	0	0	0	0	0	0
Plant Science (MA)	0	0	0	0	0	0	0	0	0	0
Plant Science (MS)	9	3	4	5	6	4	3	2	2	3
Soil Science (MA)				0	0	0	0	0	0	0
Soil Science (MS)	1	4	0	0	3	2	3	1	1	3
POLITICAL SCIENCE										
Political Science (MA)	5	4	5	2	2	1	1	4	3	2
Political Science (MS)	3	0	2	2	2	3	2	1	1	2
PSYCHOLOGY										
Psychology (MA)	0	0	0	0	0	0	0	1	0	0
Psychology (MS)	11	9	13	50	62	24	91	33	18	38
RANGELAND RESOURCES										
Range Ecology (MS)	1	0	0	2	1	0	0	1	1	0
Range Science (MS)	4	1	4	4	1	2	7	4	1	1
SECONDARY EDUCATION										
Secondary Education (MA)	0	0	0	1	0	0	0	0	0	0
Secondary Education (MED)	26	37	19	16	40	29	13	24	18	20
Secondary Education (MS)	1	0	0	1	0	0	0	2	1	0
SOCIOLOGY										
Sociology (MA)	0	0	1	0	1	1	1	0	1	1
Sociology (MS)	1	2	1	6	5	0	4	1	2	7

MASTER'S DEGREES AWARDED AT UTAH STATE UNIVERSITY										
COLLEGE/Department	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
SPECIAL EDUCATION & REHABILITATION										
Special Education (MED)	16	11	23	10	10	15	13	9	28	2
Special Education (MS)	5	15	17	15	16	18	16	27	27	27
THEATRE ARTS										
Theatre Arts (MA)	1	1	0	1	0	0	1	0	2	0
Theatre Arts (MFA)	0	0	0	2	2	0	4	1	3	2
TOTALS	530	610	652	653	700	684	732	705	781	726
INTERMEDIATE DEGREES										
Communicative Disorders (EdS)	1	1	3	0	2	1	2	0	0	0
Instructional Technology (EdS)	0	1	0	1	1	3	3	0	0	4
Special Education (EdS)	0	0	0	1	0	0	0	0	0	0
Electrical Engineer (EE)	0	1	0	0	1	0	0	0	0	0
Civil Engineer (CE)	1	0	2	0	0	0	0	0	1	0
TOTALS	2	3	5	2	4	4	5	0	1	4

TABLE 8

DOCTORAL DEGREES AWARDED AT UTAH STATE UNIVERSITY

COLLEGE/Department	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
INTERDEPARTMENTAL										
Education-PhD	4	4	9	6	4	6	11	5	7	3
Education-EdD	1	1	3	0	0	0	1	1	2	0
Family Life	0	1	2	4	2	6	3	1	5	7
Toxicology	0	1	0	3	1	1	3	2	2	2
Watershed Science	0	1	0	1	0	1	1	0	1	0
ANIMAL, DAIRY & VET. SCIENCES										
Animal Science	1	1	3	0	3	2	2	0	1	3
BIOLOGICAL & IRRIGATION ENG.										
Biological & Agricultural Engineering	2	7	6	4	6	7	4	2	1	1
Irrigation Engineering	0	0	0	0	0	0	0	6	1	1
BIOLOGY										
Biology	1	3	7	5	0	2	5	5	3	6
Biology Ecology	2	2	0	1	1	0	0	0	0	0
CHEMISTRY & BIOCHEMISTRY										
Chemistry	0	2	3	2	5	2	4	2	3	3
Biochemistry	1	1	2	1	1	3	2	3	6	5
CIVIL & ENVIRONMENTAL ENG.										
CEE	5	8	11	8	7	6	9	5	4	4
ECONOMICS										
Economics	3	3	1	3	1	1	5	6	3	0
ELECTRICAL & COMPUTER ENG.										
Electrical Engineering	0	1	1	0	6	3	0	3	2	2
FISHERIES & WILDLIFE										
Acquatic Ecology	0	0	0	0	0	0	2	1	1	1
Fisheries & Wildlife	0	0	1	0	1	0	1	0	3	1
Fisheries & Wildlife Ecology	1	1	0	1	1	1	0	2	0	4
FOREST RESOURCES										
Forest Ecology	2	0	0	0	0	0	0	0	0	1
Forestry	0	0	1	1	0	0	0	1	0	1
Recreation Resource Management	0	0	0	1	0	0	0	0	0	0
INSTRUCTIONAL TECHNOLOGY										
Instructional Technology									2	5

DOCTORAL DEGREES AWARDED AT UTAH STATE UNIVERSITY										
COLLEGE/Department	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
MATHEMATICS & STATISTICS										
Mathematical Sciences	0	2	2	1	1	4	1	2	0	1
MECHANICAL & AEROSPACE ENG.										
Mechanical Engineering	0	0	2	0	1	0	0	0	0	0
NUTRITION & FOOD SCIENCES										
Nutrition & Food Sciences	2	5	4	3	3	2	1	5	3	3
PHYSICS										
Physics	1	6	2	2	4	1	1	4	3	2
PLANTS, SOILS, & BIOMETEOROLOGY										
Biometeorology	0	0	1	0	1	0	0	0	0	0
Physical Ecology	0	0	0	0	0	0	0	0	0	0
Plant Ecology	0	0	0	0	0	0	0	0	0	0
Plant Science	3	0	0	0	2	1	1	1	4	0
Soil Science	8	2	1	0	1	1	0	1	1	0
PSYCHOLOGY										
Psychology	9	7	16	8	7	8	11	10	8	6
RANGELAND RESOURCES										
Range Ecology	1	1	2	0	1	3	0	0	0	2
Range Science	6	4	3	4	3	5	4	2	7	2
SOCIOLOGY										
Sociology	2	1	0	1	0	3	1	5	1	3
SPECIAL EDUCATION										
Special Education	5	2	2	1	3	4	1	2	4	2
TOTALS	60	67	91	61	64	77	74	90	78	71

TABLE 9

INTERNATIONAL APPLICATIONS TO GRADUATE SCHOOL

<u>Country</u>	<u>1996-97</u>	<u>1997-98</u>	<u>1998-99</u>	<u>1999-00</u>
Afghanistan	0	1	1	0
Albania	0	0	0	1
Angola	0	0	0	1
Argentina	4	2	4	1
Armenia	0	0	2	0
Austria	0	0	0	1
Australia	1	0	0	1
Bahrain	0	0	0	0
Bangladesh	8	3	6	8
Belgium	0	2	0	1
Belize	0	0	1	0
Benin	0	0	1	0
Bolivia	3	0	0	3
Botswana	4	0	0	1
Brazil	1	3	2	2
Bulgaria	1	0	0	1
Cameroon	0	0	1	0
Canada	6	13	7	13
Chad	0	0	1	1
Chile	0	1	2	0
China (People's Republic)	297	274	402	399
Colombia	1	2	3	5
Croatia	1	0	1	1
Cyprus	1	1	0	0
Czech Republic	0	0	0	1
Denmark	0	0	1	0
Dominican Republic	0	0	1	0
Ecuador	0	0	2	1
Egypt	3	7	4	3
Ethiopia	0	3	2	2
Finland	0	0	0	1
France	0	1	2	3
Germany	3	3	1	5
Georgia	1	0	1	0
Ghana	0	2	1	2
Greece	1	1	1	1
Guatemala	1	1	0	0
Guyana	0	0	1	0
Haiti	1	0	0	0
Honduras	1	0	1	0
Hong Kong	6	0	2	1
Hungary	0	0	0	1
Iceland	0	0	1	0

TABLE 9, Continued

India	237	227	313	540
Indonesia	7	9	4	8
Iran	6	0	2	2
Iraq	0	0	1	0
Ireland	0	1	0	0
Israel	2	0	1	3
Italy	1	1	0	2
Ivory Coast	1	0	0	0
Jamaica	0	1	0	0
Japan	11	8	11	19
Jordan	3	2	6	15
Kazakhstan	0	0	1	1
Kenya	1	5	2	2
Kampuchea	0	0	1	0
Korea (Republic)	72	53	47	68
Kuwait	1	4	2	5
Lebanon	3	1	0	7
Lesotho	0	0	1	0
Lithuania	0	1	1	1
Macau	1	0	0	1
Madagascar	0	1	0	0
Malawi	0	0	0	1
Malaysia	7	8	7	11
Mauritius	0	0	1	0
Mali	1	0	1	0
Mexico	4	5	3	3
Mongolia	0	1	0	1
Morocco	2	1	0	1
Nepal	1	1	4	11
Netherlands Antilles	1	0	0	0
Netherlands	1	0	1	0
New Zealand	0	1	0	0
Nigeria	2	3	2	3
Northern Mariana	0	0	1	0
Norway	0	1	0	1
Oman	4	0	4	4
Pakistan	2	3	6	7
Palestine	0	0	0	3
Panama	0	0	0	0
Peru	0	1	0	1
Philippines	0	1	1	1
Poland	0	3	4	4
Portugal	1	0	1	0
Romania	1	3	2	1
Russia	2	2	1	3
Rwanda	0	0	0	1
Saudi Arabia	9	12	5	4
Senegal	0	0	1	0

TABLE 9, Continued

Singapore	2	0	1	6
Somalia	0	0	0	2
South Africa	0	1	1	0
Spain	0	0	1	0
Sri Lanka	1	0	2	2
St. Vincent & the Grenadines	0	0	1	0
Sudan	2	1	0	0
Swaziland	0	0	0	1
Sweden	0	2	0	0
Syria	2	0	0	0
Taiwan	161	71	52	76
Tanzania	0	1	0	1
Thailand	20	57	37	43
Togo	0	0	1	0
Trinidad	0	1	0	0
Tunisia	0	1	0	0
Turkey	9	6	5	9
Uganda	4	3	1	1
Ukraine	0	0	1	0
United Arab Emirates	0	0	1	2
United Kingdom	3	3	2	1
Uruguay	0	0	1	0
Venezuela	0	0	2	2
Vietnam	1	0	0	0
Yemen Arab Republic	0	1	1	0
Yugoslavia	1	1	1	1
Zimbabwe	<u>0</u>	<u>0</u>	<u>1</u>	<u>2</u>
TOTAL	935	829	1,005	1,345

Source: School of Graduate Studies records.

TABLE 10

USU FALL QUARTER/SEMESTER INTERNATIONAL/NONRESIDENT*
MATRICULATED GRADUATE STUDENT ENROLLMENTS, BY LEVEL, 1993-99

Year	Master's								
	<u>Total</u>	<u>International</u>		<u>Change</u>		<u>Nonresident*</u>		<u>Change-</u>	
	<u>N</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>
1993	1,717	359	20.9			482	28.1		
1994	1,771	323	18.2	-36	-10.0	475	26.8	-7	-1.5
1995	1,791	289	16.1	-34	-10.5	491	27.4	16	3.4
1996	1,862	261	14.0	-28	-9.7	428	23.0	-63	-12.8
1997	2,120	277	13.1	16	6.1	399	18.8	-29	-6.8
1998	1,716	249	14.5	-28	-10.1	377	22.0	-22	-5.5
1999	1,914	307	16.0	58	23.3	441	23.0	64	17.0
1993- 1999	197			-52	-14.5			-41	-8.5

Year	Doctoral								
	<u>Total</u>	<u>International</u>		<u>Change</u>		<u>Nonresident*</u>		<u>Change-</u>	
	<u>N</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>
1993	477	173	36.3			251	52.6		
1994	490	188	38.4	15	8.7	258	52.7	7	2.8
1995	498	178	35.7	-10	-5.3	259	52.0	1	.4
1996	459	144	31.4	-34	-19.1	223	48.6	-36	-13.9
1997	397	120	30.2	-24	-16.7	193	48.6	-30	-13.5
1998	369	109	29.5	-11	-9.2	172	46.6	-21	-10.9
1999	368	116	31.5	7	6.4	178	48.4	6	3.5
1993- 1998	-109			-57	-32.9			-73	-29.1

TABLE 10, Continued

<u>Year</u>	<u>Total</u>		<u>Change</u>		<u>Nonresident*</u>		<u>Change</u>		
	<u>N</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>
1993	2,194	532	24.2			733	33.4		
1994	2,261	511	22.6	-21	-3.9	733	32.4	0	0
1995	2,289	467	20.4	-44	-8.6	750	32.8	17	2.3
1996	2,321	405	17.4	-62	-13.3	651	28.0	-99	-13.2
1997	2,517	397	15.8	-8	2.0	592	23.5	-59	-9.1
1998	2,085	358	17.2	-39	-7.3	549	26.3	-43	-7.3
1999	2,282	423	18.5	65	18.1	619	27.1	70	12.7
1993- 1999	88			-109	-20.5			-114	-15.5

*Includes international students.

TABLE 11

Master's Degrees,* 1989-1999, by
Gender, Ethnicity, Residence

Year	Male		Female		Minority		Resident		Nonresident		International		Total
	N	%	N	%	N	%	N	%	N	%	N	%	
1988-89	381	64.5	210	35.5	15	2.5	389	65.8	202	34.2	149	25.2	591
1989-90	369	64.2	206	35.8	20	3.5	372	64.7	203	35.3	150	26.1	575
1990-91	338	63.7	193	36.3	20	3.8	364	68.5	167	31.5	124	23.4	531
1991-92	372	60.8	240	39.2	17	2.8	432	70.6	180	29.4	139	22.7	612
1992-93	392	59.9	262	40.0	16	2.4	483	73.9	171	26.1	124	19.0	654
1993-94	382	58.3	273	41.7	26	4.0	485	74.0	170	26.0	146	22.3	655
1994-95	396	56.3	308	43.7	32	4.5	569	80.8	135	19.2	100	14.2	704
1995-96	393	57.1	295	43.5	22	3.2	554	80.5	134	19.5	87	12.6	688
1996-97	415	56.2	323	43.8	18	2.4	577	78.2	161	21.8	98	13.3	738
1997-98	373	52.9	332	47.1	23	3.3	524	74.3	181	25.7	111	15.7	705
1998-99	438	56.1	343	43.9	20	2.6	657	84.1	124	15.9	104	13.3	781

*Educational Specialist (EdS)[†], Civil Engineer (CE), and Electrical Engineer (EE) degrees are included with master's degrees.

TABLE 12

Doctoral Degrees, 1989-1999, by
Gender, Ethnicity, Residence

Year	Male		Female		Minority		Resident		Nonresident		International		Total
	N	%	N	%	N	%	N	%	N	%	N	%	
1988-89	58	77.3	17	22.7	2	2.7	39	52.0	36	48.0	28	37.3	75
1989-90	53	73.6	19	26.4	4	5.6	31	43.1	41	56.9	24	33.3	72
1990-91	48	80.0	12	20.0	-	0.0	26	43.3	34	56.7	18	30.0	60
1991-92	55	82.1	12	17.9	3	4.5	30	44.8	37	55.2	24	35.8	67
1992-93	69	75.8	22	24.2	2	2.2	29	31.9	62	68.1	49	53.8	91
1993-94	45	73.8	16	26.2	2	3.3	30	49.2	31	50.8	26	42.6	61
1994-95	53	82.8	11	17.2	7	10.9	32	50.0	32	50.0	26	40.6	64
1995-96	52	67.5	25	32.5	4	5.2	40	51.9	37	48.1	31	40.3	77
1996-97	50	67.6	24	32.4	4	5.4	37	50.0	37	50.0	30	40.5	74
1997-98	63	70.0	27	30.0	5	5.6	46	51.1	44	48.9	32	35.6	90
1998-99	52	66.7	26	33.3	7	9.0	49	62.8	29	37.2	22	28.2	78

Source: 1988-89 to 1992-93, Budget Office reports; 1993-94 and following, Office of Planning and Analysis, *Fact Books*.

TABLE 13

GRADUATE DEGREE RECIPIENTS BY COUNTRY - 2000

Australia	1
Bangladesh	2
Bolivia	2
Brazil	1
Canada	6
Chile	2
China	37
Costa Rica	1
Estonia	1
France	1
Germany	3
Ghana	1
Hungary	1
India	25
Indonesia	2
Iran	2
Japan	1
Jordan	1
Kenya	1
Korea	9
Malaysia	3
Mexico	1
Nepal	1
Oman	1
Pakistan	1
Poland	1
Russia	1
Saudia Arabia	1
Singapore	1
Taiwan	14
Thailand	4
Turkey	1
United States of America	670
TOTAL	801

Source: School of Graduate Studies records

TABLE 14
 Matriculated Ethnic Minority Graduate Student Enrollments
 by Degree Level, Fall Quarter 1993-1999^a

Year	Master's				Doctorate				Total									
	Am Ind	Asian	Black	Hisp	Am Ind	Asian	Black	Hisp	Total	% ^a	Am Ind	Asian	Black	Hisp	Total	% ^a		
1993	3	30	4	18	55	3.2	5	13	2	11	31	6.5	8	43	6	29	86	3.9
1994	4	26	7	19	56	3.2	7	9	1	11	28	5.7	11	35	8	30	84	3.7
1995	7	25	5	13	50	2.8	5	12	3	8	28	5.6	12	37	8	21	78	3.4
1996	9	27	6	17	59	3.2	5	9	3	8	25	5.4	14	36	9	25	84	3.6
1997	14	24	7	28	73	3.4	7	7	3	8	25	6.3	21	31	10	36	98	3.9
1998	7	19	7	16	49	2.9	6	5	1	6	18	4.9	13	24	8	22	67	3.2
1999	5	21	6	13	45	2.3	7	3	4	9	23	6.2	12	24	10	22	68	3.0

^aPercent of all master's, doctoral, matriculated graduate students.

Source: Office of Planning and Analysis, *USU Fact Books*.