

Supplement to  
BULLETIN OF  
**SWT**

**Graduate  
Catalog  
1991-93  
ADDENDUM**

This update of the SWT 1991-93 Graduate Catalog contains changes in pertinent information relating to graduate degree requirements and course offerings at SWT. This update is a general information publication only. It is not intended to nor does it contain all regulations that relate to students. The provisions of the SWT 1991-93 Graduate Catalog do not constitute a contract, expressed or implied, between applicant, student, or University System. SWT reserves the right to withdraw courses at any time, to change fees or tuition, calendar, curriculum, degree requirements, graduation procedures, and any other requirement affecting students. Changes will become effective whenever authorities determine and will apply to both prospective students and those already enrolled. See "Schedule of Classes" for revised Academic Calendars.

**SOUTHWEST TEXAS  
STATE UNIVERSITY  
SAN MARCOS**

**Page 2 — CHANGE Board of Regents to:**

Daniel N. Matheson III, Chairman (1995) ..... Austin, Texas  
Daniel S. Ouellette, Vice Chairman (1995) ..... Beeville, Texas  
William L. Cunningham (1997) ..... San Marcos, Texas  
Norman D. Elder (1993) ..... Del Rio, Texas  
Becky R. Espino (1997) ..... Fort Stockton, Texas  
Thomas R. Kowalski (1995) ..... Austin, Texas  
Jane C. Monday (1997) ..... Huntsville, Texas  
W. C. Perry (1993) ..... Waco, Texas  
Clyde C. Waddell, Jr. (1993) ..... Lubbock, Texas  
Lamar G. Urbanovsky, Chancellor

**CHANGE University Administration to:**

Jerome H. Supple, Ph.D. .... President  
Michael L. Abbott, Ph.D. .... Executive Vice President  
Robert D. Gratz, Ph.D. .... Vice President for Academic Affairs  
and Dean of the University  
Gerald Hill, B.S. .... Vice President for University Advancement  
Theodore J. Marek, C.P.A. .... Vice President for Finance and Management  
James D. Studer, Ph.D. .... Vice President for Student Affairs

**CHANGE Academic Deans to:**

John J. Beck, Ph.D. .... Acting Dean of the School of Education  
T. Richard Cheatham, Ph.D. .... Dean of the School of Fine Arts  
and Communication  
Paul R. Gowens, Ph.D. .... Dean of the School of Business  
G. Jack Graviitt, Ph.D. .... Dean of the School of Liberal Arts  
G. Eugene Martin, Ed.D. .... Dean of the School of Applied Arts  
and Technology  
Victor Michalk, Ph.D. .... Acting Dean of the School of Science  
Diana E. Sellers, Ph.D. .... Dean of the College of General Studies  
Fernando Trevino, Ph.D. .... Dean of the School of Health Professions  
J. Michael Willoughby, Ed.D. .... Dean of the Graduate School

**ADD a section:**

Student Affairs Dean

John H. Garrison, Ph.D. .... Dean of Students

**Page 7 — CHANGE Graduate Council to:**

**Voting Members**

J. Michael Willoughby, Dean of the Graduate School  
Chair Henrietta H. Avent, Department of Health, Physical Education,  
and Recreation (1979-1995)  
Andy Batey, Jr., Department of Technology (1988-1993)  
Eric C. Blankmeyer, Department of Finance and Economics (1992-1996)  
Peter Coulson, Department of Theatre Arts (1981-1993)  
Charles H. Dolezal, Department of Curriculum and Instruction (1975-1993)  
Dalton H. Gross, Department of English (1984-1993)  
Carol T. Hazlewood, Department of Computer Science (1988-1994)  
Joseph L. Humphrey, Department of Accounting (1992-1996)  
James D. Irvin, Department of Chemistry (1984-1995)  
William R. Jackson, Department of Physics (1988-1996)  
Michael Keeffe, Department of Management and Marketing (1992-1996)  
James B. Lingwall, Department of Allied Health Science (1991-1995)  
Ingeborg R. McCoy, Department of Modern Languages (1983-1995)  
Roseanne M. Mandziuk, Department of Speech Communication (1990-1994)

Donald T. Matlock, Department of Sociology (1986-1993)  
Michael Nowicki, Department of Health Administration (1988-1993)  
Robert J. Olney, Department of Computer Information Systems and  
Administrative Sciences, (1985-1996)  
Gregory B. Passty, Department of Mathematics (1987-1995)  
James W. Pohl, Department of History (1975-1995)  
Edward H. Seifert III, Department of Educational Administration and  
Psychological Services (1992-1996)  
Lon R. Shell, Department of Agriculture (1988-1996)  
Barry D. Smith, Department of Criminal Justice (1986-1994)  
Sent Visser, Department of Geography and Planning (1992-1996)  
George M. Weinberger, Department of Political Science (1985-1996)  
David C. Whitenberg, Department of Biology (1987-1995)  
Byron A. Wolverton, Department of Music (1978-1994)

#### **Non-voting Members**

Stephen B. Springer, Interdisciplinary Studies (1991-1996)  
D. Theron Stimmel, Department of Psychology (1984-1995)  
G. Sue Thompson, Department of Home Economics (1988-1996)  
Marshal R. Wortham, Department of Art (1979-1995)

#### **Ex-officio Members**

Jerome H. Supple, President of the University  
Robert D. Gratz, Vice President for Academic Affairs  
M. Louise Johnson, University Registrar

#### **Admission Documents**

**Page 13 — Graduate Record Examination. CHANGE** the sixth sentence of the first paragraph to: Several programs (including but not limited to allied health research, computer science, counseling and guidance, criminal justice, developmental education, health care administration, school psychology, and public administration) also require you to have your GRE score on file prior to admission to the SWT Graduate School.

**Page 15 — Test of Spoken English. CHANGE** the first sentence of the first paragraph to: All international applicants to the Business Administration program and the History programs are required to have the official results of the Test of Spoken English (TSE) sent to the SWT Graduate School before the application for admission will be considered.

#### **REGISTRATION AND COURSE CREDIT**

**Page 24 — Course Level. CHANGE** second sentence of first paragraph to: At the request of your graduate adviser, in exceptional cases, with the prior written approval of the department chair and the Dean of the Graduate School, up to 9 semester hours of upper-division undergraduate level work (3000/4000) may be applied toward your degree requirements, provided that a grade of "B" or better is earned in the course work requested for graduate credit.

#### **DEGREE INFORMATION**

**Page 31 — Time Limit — Catalog. CHANGE** second sentence of second paragraph to: To graduate under the catalog in effect when you began your SWT graduate program, you must make a request to your graduate adviser to submit a written request to the Dean of the Graduate School.

**Thesis Requirements — Thesis Proposal. CHANGE** third sentence of second paragraph to: After obtaining your committee member's signatures and your department chair's signature, you must submit three copies to the Dean of the Graduate School for approval before you proceed with research on your thesis.

**FEES AND EXPENSES**

**Deposits and Registration Fees  
Page 36 — CHANGE to:**

**Registration Fees, 1992-1993**

**Residents of Texas**

**Fall and Spring Semesters of the Long Term  
1992-1993 (per semester)**

Hours	Tuition	Student Service Fee	General Fee	Student Center Fee	Bus Fee	Computer Service Fee	Student Publication Fee	Rec Sports Fee	Total
1	\$100	\$ 12	\$ 10	\$20	\$18	\$ 2	\$5	\$12	\$179
2	100	24	20	20	18	4	5	12	203
3	100	36	30	20	18	6	5	12	227
4	100	48	40	20	18	8	5	12	251
5	120	60	50	20	18	10	5	12	295
6	144	72	60	20	18	12	5	12	343
7	168	84	70	20	18	14	5	12	391
8	192	96	80	20	18	16	5	12	439
9	216	108	90	20	18	18	5	12	487
10	240	108	100	20	18	20	5	12	523
11	264	108	110	20	18	22	5	12	559
12	288	108	120	20	18	24	5	12	595
13	312	108	130	20	18	26	5	12	631
14	336	108	140	20	18	28	5	12	667
15	360	108	150	20	18	30	5	12	703
16	384	108	160	20	18	32	5	12	739
17	408	108	170	20	18	34	5	12	775
18	432	108	180	20	18	36	5	12	881
19	456	108	190	20	18	38	5	12	847
20	480 <sup>1</sup>	108	200 <sup>1</sup>	20	18	40 <sup>1</sup>	5	12	883

<sup>1</sup>Add \$24 for tuition, \$10 for general fee, and \$2 for computer service fee for each hour over 20. All other fees remain the same.

**Residents of Texas**

**Summer Term, 1993 (per session)**

Hours	Tuition	Student Service Fee	General Fee	Student Center Fee	Bus Fee	Computer Service Fee	Student Publication Fee	Rec Sports Fee	Total
1	\$ 60	\$12	\$10	\$10	\$9	\$ 2	\$5	\$6	\$114
2	60	24	20	10	9	4	5	6	138
3	72	36	30	10	9	6	5	6	174
4	96	48	40	10	9	8	5	6	222
5	120	60	50	10	9	10	5	6	270
6	144	60	60	10	9	12	5	6	306
7	168 <sup>1</sup>	60	70 <sup>1</sup>	10	9	14 <sup>1</sup>	5	6	342

<sup>1</sup>Add \$24 for tuition, \$10 for general fee, and \$2 for computer service fee for each hour over 7. All other fees remain the same.

**Non-Residents of Texas**

**Fall and Spring Semesters of the Long Term  
1992-1993 (per semester)**

Hours	Tuition	Student Service Fee	General Fee	Student Center Fee	Bus Fee	Computer Service Fee	Student Publication Fee	Rec Sports Fee	Total
1	\$ 162	\$12	\$10	\$20	\$18	\$ 2	\$5	\$12	\$ 241
2	324	24	20	20	18	4	5	12	427
3	486	36	30	20	18	6	5	12	613
4	648	48	40	20	18	8	5	12	799
5	810	60	50	20	18	10	5	12	985
6	972	72	60	20	18	12	5	12	1171
7	1134	84	70	20	18	14	5	12	1357
8	1296	96	80	20	18	16	5	12	1543
9	1458	108	90	20	18	18	5	12	1729
10	1620	108	100	20	18	20	5	12	1903
11	1782	108	110	20	18	22	5	12	2077
12	1944	108	120	20	18	24	5	12	2251
13	2106	108	130	20	18	26	5	12	2425
14	2268	108	140	20	18	28	5	12	2599
15	2430	108	150	20	18	30	5	12	2773
16	2592	108	160	20	18	32	5	12	2947
17	2754	108	170	20	18	34	5	12	3121
18	2916	108	180	20	18	36	5	12	3295
19	3078	108	190	20	18	38	5	12	3469
20	3240 <sup>1</sup>	108	200 <sup>1</sup>	20	18	40 <sup>1</sup>	5	12	3643

<sup>1</sup>Add \$162 for tuition, \$10 for general fee, and \$2 for computer service fee for each hour over 20. All other fees remain the same.

**Non-Residents of Texas  
Summer Term, 1993 (per session)**

Hours	Tuition	Student Service Fee	General Fee	Student Center Fee	Bus Fee	Computer Service Fee	Student Publication Fee	Rec Sports Fee	Total
1	\$ 162	\$12	\$10	\$10	\$9	\$ 2	\$5	\$6	\$ 216
2	324	24	20	10	9	4	5	6	402
3	486	36	30	10	9	6	5	6	588
4	648	48	40	10	9	8	5	6	774
5	810	60	50	10	9	10	5	6	960
6	972	60	60	10	9	12	5	6	1134
7	1134 <sup>1</sup>	60	70 <sup>1</sup>	10	9	14 <sup>1</sup>	5	6	1308

<sup>1</sup>Add \$162 for tuition, \$10 for general fee, and \$2 for computer service fee for each hour over 7. All other fees remain the same.

**Page 38 — CHANGE Registration Fees, 1992-93 to:**

The required registration fees for the school year 1993-94 will be available at a later date in the official SWT Schedule of Classes and in the 1993-95 Graduate Catalog when published.

**Fees for Special Courses — 1992-93  
(in addition to registration fees)**

Accounting 3313, 3365, 3385, 4313, 4314	\$ 8.00 per semester
Administrative Science 1323, 1325, 3353, 3366	8.00 per semester
Agriculture 1445, 3329	12.00 per semester

Agriculture 2313	5.00 per semester
Agriculture 2345, 2374, 3304, 3310, 3320, 3331, 3353, 3354, 3426, 4302	18.00 per semester
Agriculture 2373	10.00 per semester
Agriculture 2379	14.00 per semester
Agriculture 2390	22.00 per semester
Agriculture 2421	34.00 per semester
Agriculture 3305, 3306	17.00 per semester
Agriculture 3317	2.00 per semester
Agriculture 3345	30.00 per semester
Agriculture 3375, 4325, 4361	15.00 per semester
Agriculture 3427	6.00 per semester
Agriculture 4300	24.00 per semester
Agriculture 4310	20.00 per semester
Agriculture 4315	35.00 per semester
Agriculture 4326, 4330	13.00 per semester
Agriculture Service Development 4681	40.00 per semester
Allied Health Sciences 3302, 3351	20.00 per semester
Allied Health Sciences 5332	15.00 per semester
Anthropology 2414, 2415	8.00 per semester
Anthropology 3305	4.00 per semester
Anthropology 4630	10.00 per semester
Art 1314, 2321, 2359, 2366, 2370, 3311, 3321, 3322, 3323, 3327, 3337, 3359, 3365, 4310, 4311, 4321, 4322, 4323, 4327, 4337, 4363, 4365, 4370	24.00 per semester
Art 1321, 2331	25.00 per semester
Art 1354, 1373, 2313, 2354, 2383, 4373, 4383, 4393	20.00 per semester
Art 2310, 3310	35.00 per semester
Art 3313	10.00 per semester
Art 4317, 4617	15.00 per semester
Biology 1310, 3351, 4301, 5301	6.00 per semester
Biology 1410, 1420, 2340, 2350, 2430, 2440, 2460, 3400, 3406, 3407, 3410, 3421, 3422, 3440, 3442, 3450, 3460, 3461, 3465, 3470, 3480, 3490, 3495, 4299, 4305, 4402, 4403, 4408, 4410, 4411, 4412, 4413, 4415, 4416, 4420, 4421, 4422, 4423, 4425, 4430, 4440, 4441, 4442, 4445, 4450, 4454, 4465, 4470, 4480, 5305, 5318A-Z, 5319A-Z, 5335, 5336, 5345, 5361, 5390, 5399A/B, 5401, 5410, 5411, 5412, 5413, 5415, 5420, 5421, 5422, 5423, 5424, 5425, 5440, 5441, 5442, 5445, 5450, 5454, 5465, 5470, 5480, 5485	18.00 per semester
Biology 4381, 4475, 5381, 5460, 5463	20.00 per semester
Biology 5110A-Z, 5350F, 5362	15.00 per semester
Biology 5295	10.00 per semester
Business Administration 5309, 5316, 5354, 5387	8.00 per semester
Chemistry 1410, 1420, 1430, 2130, 2410, 2420, 2450, 3245, 3410, 4275, 4299, 4336, 4337, 4430, 4440, 4465, 5275, 5336, 5337, 5399A/B	18.00 per semester
Communication 1310	12.00 per semester
Communication 2388	8.00 per semester
Communication Disorders 4321, 4344, 5344	15.00 per semester
Computer Information Systems 1323, 3370, 4346, 4373D	8.00 per semester
Computer Science 1308, 2488	18.00 per semester
Computer Science 1318, 2308, 3348, 3358, 3388, 3398, 4318, 4326, 4346, 4348, 4358, 4364, 4368, 4378, 4388, 4398, 5308, 5318, 5326, 5328, 5346, 5364, 5368, 5388, 5398	6.00 per semester
Computer Science 2318	4.00 per semester
Computer Science 3378	2.00 per semester
Computer Science 3408, 3468	18.00 per semester
Computer Science 3428	15.00 per semester
Computer Science 4328	8.00 per semester
Criminal Justice 2330	20.00 per semester
Criminal Justice 3346	24.00 per semester
Criminal Justice 4301, 4302, 4410, 4420	30.00 per semester
Curriculum and Instruction 3315, 3325	5.00 per semester

Curriculum and Instruction 3322, 4332	12.00 per semester
Curriculum and Instruction 5318	6.00 per semester
Curriculum and Instruction 5320	10.00 per semester
Dance 2208, 2209, 3367	2.00 per semester
Education 4380, 4381, 4382, 4383, 4384, 4387	35.00 per semester
Education 4680, 4681	70.00 per semester
Educational Administration 5389B, 5389H, 5389X, 5389Z, 6389	50.00 per semester
Educational Psychology 5305, 5355, 5376, 5377	24.00 per semester
Educational Psychology 5389A, 5389C, 5389W, 5389Y	75.00 per semester
English 1300, 1310	10.00 per semester
English 2351	15.00 per semester
Finance 3312, 3318, 4317, 4380A, 4380B, 4380D	8.00 per semester
French 1410, 1420, 2310, 2320	10.00 per semester
General Science 3310, 3320	15.00 per semester
Geography 2411, 3411	10.00 per semester
Geography 3415, 5408	15.00 per semester
Geography 3416, 4411, 4412, 4422, 4426, 4430, 5417, 5418	12.00 per semester
Geology 1410, 1420	18.00 per semester
German 1410, 1420, 2310, 2320	10.00 per semester
Health Administration 4440, 4441	11.00 per semester
Health Administration 5440	16.00 per semester
Health Education 2354	6.00 per semester
Health Education 4660	25.00 per semester
Health Research 5111	10.00 per semester
Health Research 5211, 5239, 5263, 5269, 5331, 5341, 5343, 5351, 5365, 5381, 5399A/B	15.00 per semester
Health Research 5333, 5367, 5383, 5469	20.00 per semester
History 1310, 1320, 2310, 2320, 2311, 2312	4.00 per semester
Home Economics 1321, 2333, 3322, 3323, 3333, 3360, 3361, 4323, 4324	10.00 per semester
Home Economics 1360, 2360	12.00 per semester
Home Economics 3351, 4330	8.00 per semester
Home Economics 3393	15.00 per semester
Home Economics 4301	20.00 per semester
Home Economics 4681	50.00 per semester
Japanese 1410, 1420, 2310, 2320	10.00 per semester
Journalism 1301, 3343, 3367, 3379, 3386, 3394	20.00 per semester
Journalism 1313, 2319, 2374, 3308, 3320, 3368, 3373, 4301, 4302, 4305, 4307, 4313	15.00 per semester
Journalism 3309, 3310, 3312, 3390	35.00 per semester
Journalism 3323, 3360, 3372, 3375, 3383, 4311, 4316, 4336, 4356, 4376	12.00 per semester
Journalism 3324	24.00 per semester
Journalism 3350, 4320	18.00 per semester
Journalism 3355, 4111, 4380, 4381	8.00 per semester
Journalism 4211	10.00 per semester
Journalism 4330	30.00 per semester
Management 4330	8.00 per semester
Mathematics 1300, 1311, 2301, 2311	10.00 per semester
Mathematics 3348, 4338	6.00 per semester
Mathematics 3428	15.00 per semester
Mathematics 4330	8.00 per semester
Medical Record Administration 3363, 3464	15.00 per semester
Medical Technology 2414, 4222	8.00 per semester
Medical Technology 3410	16.00 per semester
Medical Technology 3412	12.00 per semester
Medical Technology 4223, 4380, 4418, 4424, 4460, 4470	20.00 per semester
Medical Technology 4650	24.00 per semester
Military Science 1000	15.00 per semester
Music 1210, 1212, 1311, 1312, 2260, 2262	8.00 per semester
Music 3313, 4151	10.00 per semester
Music Ensemble 1111C, 2111C, 3111C, 4111C, 5121C	10.00 per semester
Music Ensemble 1113H, 2113H, 3113H, 4113H, 5121H	10.00 per semester
Music Performance 1103Y, 1104V, 1105X, 1106A-Q, 2105Y, 2106V, 2107X, 2108A-Q, 3107Y, 3108V, 3109X, 3110A-Q,	

4109Y, 4110V, 4111X, 4112A-Q, 5101X, 5105A-Q, 5111V, 5115Y	18.00 per semester
Music Performance 1108W, 1110W, 1112W, 1114W	10.00 per semester
Music Performance 1111R, 1111S, 1111T, 2113R, 2113S, 2113T, 3115R, 3115S, 3115T, 4117R, 4117S, 4117T	15.00 per semester
Music Performance 1203Y, 1204V, 1205X, 1206A-Q, 2205Y, 2206V, 2207X, 2208A-Q, 3207Y, 3208V, 3209X, 3210A-Q, 3307Y, 3308V, 3309X, 3310A-Q, 4209Y, 4210V, 4211X, 4212A-Q, 4309Y, 4310V, 4311X, 4312A-Q, 4409Y, 4410V, 4411X, 4412A-Q, 5201X, 5205A-Q, 5211V, 5215Y, 5301X, 5305A-Q, 5311V, 5315Y	35.00 per semester
Occupational Education 4340	12.00 per semester
Physical Education 1170A, 1176A	3.00 per semester
Physical Education 1171A, 1172A, 1175A, 1177A, 1178A, 1192A, 2356, 3327, 5321, 5348	2.00 per semester
Physical Education 1179A, 1180A, 1180B, 1180C, 1181A, 1181B, 1181C, 1182A, 1190A, 1225	4.00 per semester
Physical Education 2156	30.00 per semester
Physical Education 5303	24.00 per semester
Physical Education 5306	12.00 per semester
Physical Education Service 1100A, 1105A, 1105B, 1136A, 1138A, 1138B, 1143A, 1144A, 1144B, 1147A, 1147B, 1148A, 1148B	3.00 per semester
Physical Education Service 1102, 1102A, 1102B, 1106, 1107A, 1107B, 1108A, 1108B, 1110A, 1110B, 1110C, 1111A, 1111B, 1111C, 1112A, 1114A, 1114B, 1124, 1125, 1126, 1137A, 1137B, 1140A, 1142A, 1142B, 1146A, 1146B, 1149A, 1152A, 1153A, 1154A, 1155A, 1156A	2.00 per semester
Physical Education Service 1103A, 1103B, 1133A, 1133B, 1133C	6.00 per semester
Physical Education Service 1127, 1129, 1120A, 1120B, 1120D, 1220	4.00 per semester
Physical Therapy 3312, 3313, 3315, 3318, 3412, 4120, 4313, 4316, 4317	10.00 per semester
Physical Therapy 3610	35.00 per semester
Physical Therapy 4615	25.00 per semester
Physics 1110, 1140, 1410, 1420, 1430, 2415, 2425, 4265, 4336, 4337, 5336, 5337, 5395, 5399A/B	18.00 per semester
Physics 3316, 3411	20.00 per semester
Psychology 3302	8.00 per semester
Reading 1300, 3320, 4335, 5335	5.00 per semester
Recreational Administration 1330	4.00 per semester
Recreational Administration 3360, 4381, 4382, 4680	24.00 per semester
Respiratory Therapy 1314, 1316, 2331	10.00 per semester
Russian 1410, 1420, 2310, 2320	10.00 per semester
Social Work 3430, 3435, 4425	10.00 per semester
Social Work 4645, 4650	11.00 per semester
Sociology 1310	4.00 per semester
Sociology 3308, 3318, 4690, 5308	8.00 per semester
Spanish 1410, 1420, 2310, 2320	10.00 per semester
Special Education 3336, 3337	5.00 per semester
Special Education 5334	8.00 per semester
Technology 1320, 4360, 4374, 4393	14.00 per semester
Technology 1330, 2350, 4350, 4373	16.00 per semester
Technology 1413, 2320, 2370, 3313, 3320, 3370, 4361, 4371, 4372, 4375, 4387	12.00 per semester
Technology 1450, 2310	17.00 per semester
Technology 2344	10.00 per semester
Technology 2365, 3350, 3365, 4310, 4313, 4330, 4362, 4391, 5391	18.00 per semester
Technology 4344	8.00 per semester
Technology 4385	15.00 per semester
Technology 4390	30.00 per semester
Theatre Arts 1358, 2338, 3313	10.00 per semester
Theatre Arts 3341	15.00 per semester
Theatre Arts 3342	24.00 per semester
Theatre Arts 3344	8.00 per semester



**Page 42 — Laundry Service Fees for Physical Education Uniforms Under “The following courses require uniforms”, DELETE: DAN 3330.**

**Page 43 — Other Special Fees. ADD the following fees:**

International Fee	1.00
Music Practice Fee	2.00
<b>CHANGE</b> to following fee:	
Transcript Fee (official copy)	5.00

**Additional Fees and Information**

**Page 45 — Financial Obligations, Student. CHANGE** the paragraph to:

Students are expected to meet financial obligations to the university within the designated time allowed. Registration fees are payable at the time of registration. Students are not entitled to enter class or laboratory until their fees and deposits have been paid. Failure to pay the amount owed in the allotted time or payments made with checks that are returned to SWT unpaid by the bank may result in any or all of the following: 1) dismissal from the university, 2) withholding of registration privileges, 3) withholding the issuance of future grades or of an official transcript, 4) withholding the conferring of a degree, 5) the invalidation of a meal card (There will not be any refund for meals missed during the time the ID was invalidated.), and 6) bar against re-admission for the student.

**Motor Vehicle Registration Fees. CHANGE to:**

All Motor Vehicles and Motorcycles	12 Months
Restricted and On-Campus	\$30.00
Commuter, Comanche Hill, and Riverside Apartments	20.00
All Motor Vehicles and Motorcycles	9 Months
Spring/Summer Only	\$20.00
Summer Only	20.00

**Payment of Fees — CHANGE** paragraphs to: Installment fees and deposits are payable at the time of registration. A student is not registered until the fees are paid. Payment may be made by check or money order payable to Southwest Texas State University. Visa/Mastercard payments are also acceptable upon presentation of the credit card.

Loose coins in excess of the appropriate denomination required by banks are not acceptable for payment of any fee unless they are wrapped in appropriate denominational coin wrappers and signed by the payer.

Returned Checks: If checks are returned unpaid for any reason other than the admitted error of the bank, the student must pay in cash immediately, and a \$15.00 service fee will be charged for each returned check. Students whose checks have been dishonored may be required to pay in cash thereafter.

**Page 46 — Residency for Tuition Purposes. CHANGE “1.”** to: You or your spouse or parent are a member of the Armed Forces or Public Health Service and are stationed in Texas.

**CHANGE “2.”** to: You or your spouse or your parent are employed at least half-time at SWT in a teaching or research assistant position related to your major, or you or your spouse or parent are employed at least half time by a Texas public institution of higher education as a teacher or professor.

**ADD** to the second paragraph of “3.”: Persons granted permanent resident status while in Texas must wait a minimum of 12 months from date of issue to request resident status for tuition purposes.

**Page 47 — Refund of Registration Fees. CHANGE** first sentence under “Withdrawals” to: Any student who has paid registration fees and officially withdraws by submitting a withdrawal card and registration receipt to the Registrar’s Office in the J. C. Kellam building is entitled to a refund of tuition and fees under the following condition as listed below.

**CHANGE** paragraph under “Payments of Refunds” to: An immediate refund will not be made at the time a student withdraws or reduces hours during a semester. Any refund will be applied to remaining unpaid obligations. If a student has paid in full, a check will be mailed on request within thirty days. A withdrawal refund check will be mailed to the student’s

permanent mailing address. A drop refund check will be mailed to the student's local mailing address. No refunds will be made when the amount is less than \$5.00. Reducing semester credit hours to zero is considered a withdrawal and the withdrawal refund policies apply.

**CHANGE** the phone number under "Refund for Summer Course Offerings Other Than the Traditional Six-Week Sessions" to: (512) 245-2544.

## **FINANCIAL ASSISTANCE**

**Page 49 — Financial Aid. DELETE** the following in the first sentence of the second paragraph: Effective July 1, 1984.

**CHANGE** second sentence in "1." to: When a course is repeated once, the last grade earned (W's excluded) is the only grade used in computing the GPA. If a course is repeated more than once, the second grade and all subsequent grades are used in computing the GPA.

**Page 50 — CHANGE** the following application dates in the fourth paragraph to:

Fall/Spring Semesters	April 1
Summer Semesters	March 15

**CHANGE** the last sentence in the fifth paragraph to: Financial assistance staff may be reached at (512) 245-2315 or on the second floor, J. C. Kellam building, Monday through Friday.

## **SCHOOL OF APPLIED ARTS AND TECHNOLOGY**

### **Department of Agriculture**

**Page 51 — Courses Offered: Agriculture (AG).**

**CHANGE** title and description to:

AG 5321 Diffusion of Innovations. (3-0) Dynamics of cultural change as theoretical framework for planned technological change methods of implementing change, the effects of change, and the prediction of change.

AG 5380 Advancements in Horticulture. (3-0) Survey of the current knowledge and concepts in horticulture including economic considerations and current production problems.

### **Department of Criminal Justice**

**Page 54 — Major programs.**

**CHANGE** the last sentence of the third paragraph to: This paper must be approved by three of the department's graduate faculty and will be written while enrolled in CJ 5360.

### **Admission policy:**

**CHANGE** the Admission policy to: Admission to the Master of Science of Criminal Justice program is selective and designed to identify those applicants who have the ability, interest, fitness and maturity to manage the rigors of the program and career field. Applicants must possess either a baccalaureate degree in criminal justice or a degree in a related field from a regionally accredited university. No student will be considered for admission without a Graduate Record Examination score. All students must submit a writing sample for evaluation with required applications (see procedures for submission of a writing sample described below). No application for regular or conditional admission will be considered after the application deadline established by the Graduate School and set out in General Admission Policies.

### **Regular Admission:**

There are two regular admission procedures available to a student i.e., regular admission through MSCJ graduate director approval and regular admission through MSCJ graduate faculty review.

a. Regular admission through MSCJ graduate director approval: A student with a GPA of 2.75 or above (on a 4.0 scale) in the last 60 semester hours of undergraduate work before the baccalaureate, a GRE score of 900 or better (Verbal and Quantitative portions combined) and a satisfactory evaluation of their writing sample will be eligible for regular admission by approval of the MSCJ graduate program director if space is available. This regular admission procedure will not require MSCJ graduate faculty review prior to admission.

b. Regular admission through MSCJ graduate faculty review:

(1) A student with a GPA between 2.5 and 2.75 (on a 4.0 scale) in the last 60 semester hours of undergraduate work before the baccalaureate, a GRE score of 900 or better (Verbal and Quantitative portions combined) and a satisfactory evaluation of their writing sample will be eligible for admission consideration through MSCJ graduate faculty review.

(2) A student with a GPA of 2.75 or above (on a 4.0 scale) in the last 60 hours of undergraduate work before the baccalaureate, a GRE score of less than 900 (Verbal and Quantitative portions combined) and a satisfactory evaluation of their writing sample will be eligible for admission consideration through MSCJ graduate faculty review.

(3) A student that has an adequate GPA and GRE score to be admitted under any of the regular admission paragraphs above (either MSCJ graduate director approval or admission by MSCJ graduate faculty review), but fails to obtain a satisfactory evaluation of their writing sample, will be eligible for admission consideration through MSCJ graduate faculty review.

Conditional Admission:

A student that has a GPA of less than 2.5 (on a 4.0 scale) in the last 60 hours of undergraduate work before the baccalaureate, a GRE score of less than 900 (Verbal and Quantitative portions combined) and a satisfactory evaluation of their writing sample may apply for conditional admission consideration. Applications for conditional admission are reviewed by the MSCJ graduate faculty. The MSCJ graduate faculty makes recommendations to the Dean of the Graduate School including whether to grant conditional admission status with appropriate academic conditions. The Dean of the Graduate School makes the final conditional admission decision. When the requirements for conditional admission have been met, the student is eligible for regular admission.

Required Writing Sample:

a. Procedure for Submission of Writing Sample: After the MSCJ graduate director receives a copy of the application for admission that the student filed with the Graduate School, the student will be mailed a writing sample form. On the form provided, the applicant should write a narrative response to these questions:

"In your own words and your own handwriting, please indicate why you wish to obtain the MSCJ degree, how the MSCJ degree will benefit you in your career and your future aspirations, and why you chose to apply to the MSCJ program at SWT?"

The writing sample must be in the student's own handwriting. It should be between 250-300 words in length. The student must sign the verification at the bottom of the form which verifies that the writing sample is the student's own work. **The completed writing sample form must be mailed to:** Graduate Director, MSCJ Program, Criminal Justice Department, Hines Academic Center, San Marcos, Texas 78666.

b. Procedure for Evaluation of Writing Sample:

Upon receipt of the writing sample from the student, the MSCJ graduate director will make an initial evaluation of the writing sample based on criteria which include but are not limited to the following factors: literacy skills, ability to express thoughts and graduate level writing skills.

If the MSCJ graduate director evaluates the writing sample as satisfactory, it will not be reviewed by the MSCJ graduate faculty. If the MSCJ graduate director evaluates the writing sample as unsatisfactory, it will be re-evaluated by the MSCJ graduate faculty at the time the student is considered for admission through MSCJ graduate faculty review.

Admission Appeal Process:

If a student is denied admission to the MSCJ program and would like to appeal the decision, the student should contact the Chair of the Department of Criminal Justice to determine the correct procedure.

**Page 55 — Courses Offered: Criminal Justice (CJ).**

**DELETE** the following course: CJ 5332.

**DELETE** the prerequisites of Criminal Justice 5350.

**ADD** the following course:

CJ 5360<sup>1</sup> Independent Studies in Criminal Justice (3-0). Student will work directly with a faculty member and develop in-depth knowledge in a specific topic area of Criminal Justice. Students in the non-thesis degree option will complete their professional paper while enrolled in this course.

**ADD** footnote:

<sup>1</sup>May be repeated once for additional credit.

**Department of Technology**

**Page 58 — ADD** after the second paragraph under "Vocational Counseling and Guidance and Job Placement Coordinators" the following heading: "Professional Improvement."

**Page 62 — Courses Offered — Vocational Education (VOED).**

**ADD** the following course:

VOED 5390 Independent Study in Vocational Education. (3-0) In-depth study of important and timely topics relevant to the vocational educator desiring advanced skills in vocational education.

**SCHOOL OF BUSINESS**

**Page 65 — Courses Offered: Business Administration (B A)**

**Common Body of Knowledge Courses**

**CHANGE** course title and description to:

B A 5303 Fundamental Accounting Concepts. (3-0) A conceptual, nonprocedural presentation of introductory financial and managerial accounting. The emphasis is on understanding basic elements of financial statements, the effect of business events on the statements, and the use of accounting information in decision making.

**DELETE** footnote 2.

**Page 66 — Core Courses.**

**Change** course title and description to:

B A 5361 Financial and Managerial Reporting and Analysis. (3-0) Use of accounting information as an aid in executive decision making and control for domestic and business operations.

Prerequisites: Accounting 2361 and 2362, or Business Administration 5305.

**Page 68 — Elective Courses.**

**ADD** the following course:

B A 5335 Introduction to Forecasting and Simulation. (3-0) An introduction to the concepts and principles of forecasting and simulation techniques as applied to planning and decision making in organizations. Topical coverage includes time series forecasting, causal forecasting, discrete-event simulation, and continuous-event simulation techniques.

Prerequisites: Business Administration 5332 and 5334.

**CHANGE** the description of the following course:

B A 5354 Decision-Support Models in Management. (3-0) Explores the decision-making process, especially how decisions are made when data is imprecise or incomplete and when tasks may not be highly structured. The necessary computer tools are surveyed, including modeling, data management, simulation, decision support systems, and artificial intelligence.

**ADD** the following courses:

B A 5355 Database Management Systems. (3-0) Explores the concepts, principles, issues and techniques for managing corporate data resources using database management systems. The course includes techniques for analysis, design, and development of database systems, creating and using logical data models, database query languages, and procedures for evaluating database management software. Students will use a relational database management system to develop a management information system.

B A 5356 Business Telecommunications. (3-0) Business telecommunications networks is a technology that is revolutionizing the manner in which business and government conduct their operations. New developments in communication media have a great impact on the way people interact with different computing systems. This course will reflect the current state-of-the-art in data communication networking.

**Page 69 — Economics (ECO).**

**ADD** footnote to bottom of the page:

<sup>4</sup>May be repeated for additional credit with the approval of the Center for Economic Education.

**ADD** footnote number 4 to ECO 5377

**SCHOOL OF EDUCATION**

**Department of Curriculum and Instruction**

**Page 73 — Major programs.** **CHANGE** third paragraph, first sentence to: The various majors in teacher education, other than those in special education and reading education, who apply for the Master of Education degree must include a research course: Curriculum and Instruction 5390 or Curriculum and Instruction 5391.

**Majors: Reading Education.**

**ADD** the following sentence to the end of the first paragraph: The program also permits students to minor in reading education.

**DELETE** the second paragraph.

**Page 77 — Courses Offered: Early Childhood Education (ECE).**

**ADD** the following course:

ECE 5380 Independent Study in Early Childhood. (3-0) In-depth study of selected topics of current needs of interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department.

**Page 78 — Courses Offered: Reading (RDG).**

**ADD** the following course:

RDG 5380<sup>2</sup> Independent Study in Reading Research. (3-0) In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester.

Prerequisites: 3.5 GPA and instructor's permission.

**ADD** footnote to bottom of the page:

<sup>2</sup>May be repeated with different topics for additional credit.

**Department of Educational Administration and Psychological Services**

**Page 82 — Major programs: Counseling and Guidance. CHANGE** second paragraph, first sentence to: The Master of Education degree in counseling and guidance consists of a minimum of 36 semester hours of guidance courses with 12 of the 36 semester hours being adviser-approved electives primarily from the disciplines of educational psychology, psychology, and sociology.

**DELETE** second sentence.

**Page 83 — Major programs: Educational Administration. CHANGE** first paragraph, fourth sentence to: The first three courses in the program are Educational Administration 6340, Educational Psychology 5370, and Educational Administration 5349.

**Page 84 — Courses Offered: Educational Administration (EDA).**

**DELETE** the following course: EDA 5178.

**DELETE** the footnote number 2 at the bottom of the page.

**Page 86 — Courses Offered: Educational Psychology (EDP).**

**DELETE** the following courses: EDP 5178 and 5278.

**DELETE** the footnote number 2 at the bottom of the page.

**Page 87 — Courses Offered: Educational Psychology (EDP).**

**DELETE** the following courses: EDP 5352, 5353, and 5357.

**Department of Health, Physical Education, and Recreation**

**Page 92 — Courses Offered: Physical Education (PE).**

**ADD** the following courses:

PE 5306 Advanced Physiology of Exercise. (3-0) An intense study of the physiological adjustments to exercise. Laboratory experiences are provided.

PE 5309 Biomechanics for Exercise and Sport Sciences. (3-0) Qualitative and quantitative techniques and concepts for analysis and understanding of human motion in exercise and sport sciences.

**Page 93 — Courses Offered: Physical Education (PE).**

**ADD** the following course:

PE 5344 Analysis of Teaching in Physical Education. (3-0) This course is designed for graduate students interested in preservice and/or inservice education. Students will become familiar with the research literature in teacher effectiveness and will attain advanced skills in observation/analysis of teaching.

**Page 94 — Courses Offered: Recreation (REC).**

**ADD** the following courses:

REC 5318<sup>a</sup> Selected Topics in Recreation and Leisure Services. (3-0) Topics: 5318A Military Recreation, 5318B Campus Recreation, 5318C Commercial and Entrepreneurial Recreation.

REC 5319 Marketing of Recreation and Leisure Services. (3-0) A study of marketing functions and principles as they relate to the leisure services delivery system. Analysis of marketing concepts such as feasibility studies, promotion and marketing.

REC 5320<sup>4</sup> Selected Topics in Therapeutic Recreation. (3-0) Topics: 5320A Leisure enhancement in later life, 5320B Public policy in therapeutic recreation, 5320C Play, leisurability and life satisfaction.

REC 5321 Issues and Trends in Recreation and Leisure Services. (3-0) A seminar style course where students investigate current events on the provision of services. This course will address that need.

REC 5350 Legal and Ethical Issues in Recreation and Leisure Services. (3-0) A seminar style course that focuses on legal and ethical issues related to recreation and leisure services. Tort law, participant rights, accessibility, and credentialing and others are topics to be addressed in this course.

REC 5399A Thesis. (3-0) This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in REC 5399B.

REC 5399B Thesis. (3-0) This course represents a student's continued thesis enrollment. No thesis credit is awarded until the thesis is submitted for binding.

REC 5698 Internship in Recreation and Leisure Services. (0-6) Designed as an in-depth supervised work experience that requires application of classroom theory and research in an organizational setting.

**ADD** footnote:

<sup>4</sup>May be repeated with different topics for additional credit.

## **SCHOOL OF FINE ARTS AND COMMUNICATION**

### **Department of Music**

**Page 98 — Courses Offered: Applied Music/Music Performance (MUSP).**

**ADD** the following courses:

MUSP 5116A Composition. (0-1) Intensive work in free composition, including supervised private instruction and performance of student compositions.

MUSP 5116B Electronic/Computer Composition. (0-1) Introduction to recording and tape manipulation techniques of music concrete, electroacoustical music techniques involving digital and analog synthesizers and the MIDI environment. Application through the creation of electronic tape compositions and live electronic music.

MUSP 5116C MIDI. (0-1) Introduction to sequencing and scoring using MIDI devices and computer software.

Prerequisites: Computer Science 1308 and approval of the instructor.

MUSP 5216A Composition. (0-2) Intensive work in free composition, including supervised private instruction and performance of student compositions.

MUSP 5216B Electronic/Computer Composition. (0-2) Introduction to recording and tape manipulation techniques of music concrete, electroacoustical music techniques involving digital and analog synthesizers and the MIDI environment. Application through the creation of electronic tape compositions and live electronic music.

MUSP 5216C MIDI. (0-2) Introduction to sequencing and scoring using MIDI devices and computer software.

Prerequisites: Computer Science 1308 and approval of the instructor.

MUSP 5316A Composition. (0-3) Intensive work in free composition, including supervised private instruction and performance of student compositions.

MUSP 5316B Electronic/Computer Composition. (0-3) Introduction to recording and tape manipulation techniques of music concrete, electroacoustical music techniques involving digital and analog synthesizers and the MIDI environment. Application through the creation of electronic tape compositions and live electronic music.

## **SCHOOL OF HEALTH PROFESSIONS**

### **Department of Allied Health Sciences**

**Page 107 — Major programs: Background. DELETE** heading and paragraph.

**ADD** Admission Policy: Admission to the SWT graduate program in Communication Disorders is selective and competitive. The graduate sequence begins in the fall semester of each year. The typical program is two academic years and one summer session in length.

To be considered for Regular Admission, applicants must have an undergraduate degree in communication disorders from a program whose master's degree is accredited by the Educational Standards Board of ASHA, at least two letters of recommendation from professors in their previous major, meet the requirements for Graduate School regular admission, a minimum 3.0 GPA (on a 4.0 scale) for undergraduate academic courses in communication disorders, and a combined verbal/quantitative score of 900 or higher on the

Graduate Record Examination. **All application material must be received by the SWT Graduate School by April 15 of each year.** Meeting admission requirements for the Graduate School and the Communication Disorders Program does not guarantee admission to the graduate sequence in communication disorders.

Individuals who have undergraduate degrees in majors other than communication disorders can apply and obtain non-degree seeking "Special Student" status from the Communication Disorders Program and the Graduate School to complete the required background work. The number of hours of background work required is determined in consultation with the CDIS graduate adviser and is dependent on the courses taken at the undergraduate level. Upon completion of the required background work, applicants may then apply for admission to the regular graduate sequence for a fall semester. Completion of the background requirements in the Communication Disorders Program at SWT does not guarantee admission to the graduate program in Communication Disorders.

#### **Department of Health Administration**

**Page 110 — Health Professions—Health Care Administration: Majors. CHANGE** first paragraph, first sentence to: The 38-56 semester hour MSHP degree with a major in health professions—health care administration usually includes 30-33 hours of core courses and either a field experience of 4-8 hours or 6 hours of thesis, depending on the student's previous health administration experience.

**DELETE** last sentence of second paragraph.

**Prerequisites. ADD** the following to the course prerequisites: medical terminology (Medical Record Administration 2360) and computer applications (Allied Health Sciences 3351).

**Page 115 — Courses Offered: Allied Health Research (HR).**

**DELETE** the following courses: HR 5161 and 5263.

**CHANGE** prerequisite of HR 5239 to: Health Research 5333, or consent of instructor.

**Page 116 — Courses Offered: Allied Health Research (HR).**

**DELETE** the following courses: HR 5337 and 5381.

**DELETE** prerequisite of HR 5365.

#### **SCHOOL OF LIBERAL ARTS**

##### **Department of English**

**Page 118 — Major programs. DELETE** the first sentence of the fourth paragraph.

**Page 119 — Courses Offered: English (ENG).**

**ADD** the following course:

ENG 5182 Practicum in Composition. (1-0) Approaches to the teaching of college composition. Required as a condition of employment for graduate teaching assistants in the Department of English. Requirement may be waived only by the Department Chair on the basis of candidate's previous teaching experience. Credit does not apply toward a graduate degree in English.

**Page 120 — Courses Offered: English (ENG).**

**ADD** the following topic to 5321 Contemporary Fiction:

5321G James Joyce.

**ADD** the following topics to 5331 Studies in American Poetry:

5331B Studies in American Poetry, 5331C Southern Poetry, 5331D Whitman/Dickinson.

**ADD** the following topic to 5332 Studies in American Prose:

5332C Wright and Hurston.

**ADD** the following topic to 5354 Studies in English Renaissance:

5354G Renaissance Pastoral and Romance.

**ADD** the following topics to 5368 Studies in Victorian Prose:

5368B Jane Austen and George Eliot, 5368C Non-Fiction Victorian Prose.

##### **Department of History**

**Page 128 — Admission policy. ADD:** International students: All international students must score at least 550 on the TOEFL test and 220 on the TSE test. Both tests are required for admission to this department's graduate program.

**Courses Offered: History (HIST).**

**ADD** the following courses:

HIST 5308 Pre-Modern European History. (3-0) A seminar based on selected topics from the ancient and medieval civilizations of Europe and the Mediterranean region.

HIST 5309 Early Modern European History 1450-1815. (3-0) A seminar based on selected topics in Early Modern European history.

**CHANGE** course title and description to:

HIST 5318 British History. (3-0) A seminar based on selected topics in British history.

**Page 129 — Courses Offered: History (HIST).**

**ADD** the following course:

HIST 5345 American History. (3-0) A study of selected topics in American history.

**CHANGE** the following course titles and descriptions to:

HIST 5349 Diplomatic History of the United States. (3-0) A seminar based on selected topics in American diplomatic history.

HIST 5362 Military History. (3-0) A seminar based on selected topics in military history.

**DELETE** the following courses: History 5348 and History 5365.

#### **Department of Modern Languages**

**Page 131 — Major programs: Master of Arts in Teaching. CHANGE** first sentence of second paragraph to: The 36-semester hour Master of Arts in Teaching degree entails 15 semester hours concentration in the language subject area, 9 hours of linguistics, 6 hours in a minor or supporting area, 6 hours of internship and foreign study, and a minimum reading knowledge of a second foreign language.

**Major programs: Master of Arts. CHANGE** second sentence of first paragraph to: This degree entails 24 hours in Spanish, including the thesis, and 6 to 12 hours in a supporting area.

#### **Department of Political Science**

**Page 135 — Public Administration. CHANGE** the paragraph to: The 30-hour MPA core includes the following courses: Political Science 5304 (twice); Political Science 5311; Political Science 5314; Political Science 5315; Political Science 5318; one course selected from Political Science 5321, Political Science 5322, or Political Science 5323; Political Science 5330; one course selected from Political Science 5340, Political Science 5341, or Political Science 5343; and Political Science 5397.

**Applied Research Project. ADD** the following to the end of paragraph one: Prerequisite: A grade of B or better in Political Science 5304B.

#### **Admission Policy:**

**Page 136 — Public Administration Program: Conditional admission. CHANGE** the second paragraph to: The CAR Committee will recommend the stipulations and requirements for conditional admission. Students who are admitted conditionally must make a grade of "B" or better in each course for their first 12 hours of course work including background courses. When the conditions have been met, the CAR committee will recommend regular admission status to the Dean of the Graduate School.

**Page 137-139 — Courses offered: Political Science (POSI).**

**DELETE** the following course: POSI 5309.

**DELETE** the following course: POSI 5310.

**ADD** the following courses:

POSI 5314 Organization Theory. (3-0) Analysis of the theoretical perspectives of organizations, with particular reference to public organizations and public administration.

POSI 5318 Public Management and Ethics. (3-0) Analysis of Public Management principles and functions in the context of ethics and accountability, including bureaucratic discretion, constitutional values, and professionalism.

**CHANGE** course title and description to:

POSI 5380 Problems in the International Political Economy. (3-0) Deals with selected topics in international political economy.

**CHANGE** course title to:

POSI 5382 Seminar in International Relations Theory. (3-0)

**ADD** the following to the end of POSI 5397: Prerequisite a grade of "B" or better in Political Science 5304B.

#### **Department of Sociology**

**Page 146 — Background. CHANGE** paragraph to: If you do not have undergraduate sociology education in principles (introduction), theory, statistics, and research, you must complete undergraduate courses in each of these areas. Dependent on the extent of your



undergraduate education in sociology or related fields, you may be permitted to take up to 7 hours of selected graduate courses before completing these undergraduate requirements.

## **SCHOOL OF SCIENCE**

### **Department of Biology**

**Page 150 — Courses Offered: Biology (BIO).**

**CHANGE** Biology 5301 to:

Biology 5301 Evolution. (3-0) Basic genetic principles applied to natural selection, adaptation, populations, speciation, and man's future. Consideration is given to the origin of life, nature of chromosomal variation, evolution of genetic systems, and certain other selected topics. (S,SS)

Prerequisite: Biology 3450, or its equivalent.

**Page 151 — Courses Offered: Biology (BIO).**

**DELETE** the following course: Biology 5319P.

### **Department of Chemistry**

**Page 158 — Courses Offered: Chemistry (CHEM).**

**DELETE** the "(F)" at the end of the description of CHEM 5352 Chemical Engineering.

**DELETE** the "(F)" at the end of the description of CHEM 5412 Analysis and Synthesis of Organic Compounds.

**DELETE** the "(SSII)" at the end of the description of CHEM 5385 Metabolism.

### **Department of Computer Science**

**Page 160 — Major programs.** **ADD** the following sentence to the first paragraph: The core courses in computer science consist of graduate level computer science courses designated by the graduate adviser.

**Master of Science.** **CHANGE** "1." to: Completion of at least 18 semester hours of course work in the computer science major, including the core.

**Master of Arts.** **CHANGE** "1." to: Completion of at least 18 semester hours of course work in the computer science major, including the core.

**Master of Education.** **CHANGE** "1." to: Completion of at least 27 semester hours of course work in the computer science major, including the core.

**Page 161 — Background requirements.** **ADD** the following to the first paragraph: Background work must be completed before enrolling in graduate courses. Admission policy.

**CHANGE** first paragraph to: Applicants to the computer science program are generally required to have a GPA of no less than 2.75 on a 4.0 scale, have a Graduate Record Examination (GRE) score of 1000 (Verbal and Quantitative portions combined), including at least 300 on the Verbal portion and 600 on the Quantitative portion, as well as meet the basic requirements for admission to the Graduate School. Additionally, applicants must meet the "completed application" deadline dates as identified in this catalog under Admission Policies.

**Page 162 — Courses Offered: Computer Science (CS).**

**DELETE** the last sentence of Computer Science 5314.

**ADD** the following course:

CS 5395 Independent Study in Advanced Computer Science. (3-0) Open to graduate students on an independent basis by arrangement with the faculty member concerned.

### **Department of Mathematics**

**Page 164 — Courses Offered: Mathematics (MATH).** **ADD** the following footnote: 'May be repeated with different emphasis for additional credit.

**ADD** footnote number 1 to MATH 5111.

**Page 165 — Courses Offered: Mathematics (MATH).** **CHANGE** the footnote on MATH 5301 to a number 2.

**DELETE** footnote number 1.

### **Department of Physics**

**Page 168 — Courses Offered: Physics (PHYS).**

**ADD** the following course:

PHYS 5110 Seminar in Physics. (1-0) A graduate student majoring in Physics will be required to take a minimum of three semester hours in this course in addition to the standard requirements for the advanced degree.







SWT