



THE NELSON RUSCHE COLLEGE OF BUSINESS

VIOLET C. ROGERS

Dean

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Mission Statement

The Nelson Rusche College of Business provides a student-focused learning environment where quality students and respected faculty interact to develop knowledge and skills relevant for success in a changing business climate.

Our Philosophy

We will provide a student-focused learning environment indicates that the faculty and administrators of the Nelson Rusche College of Business (the College) consider our students to be our primary focus as we create an optimal learning environment. While there are many other important endeavors that the College continues to pursue, they are secondary to this primary concern.

Where quality students and respected faculty interact indicates that the College considers the learning process a joint venture between our students and our faculty.

To develop knowledge and skills indicates that the College will teach more than the abstract theory and formal concepts of business administration. The College actively promotes student learning of communication proficiency, leadership qualities and people skills that will accompany the many technical and analytical tools necessary for practicing the craft of effective business management. The College seeks to give our students a robust understanding of the complex and changing world of business.

Relevant for success in a changing business climate indicates that the College will focus on preparing our students for a lifetime of continuous learning and effective appreciation of a diverse and ever-changing business environment. This requires our students to learn how to make ethical decisions and effectively integrate concepts from the many different business disciplines.

Accreditation

Undergraduate and graduate business programs are accredited by AACSB International - The Association to Advance Collegiate Schools of Business. Accreditation means that the college meets exacting standards in areas such as faculty resources and qualifications, intellectual climate, admissions policy, degree requirements, library and computer facilities, physical plant and financial resources. The Bachelor of Science degree with a major in computer science is accredited by the Computing Accreditation Commission of ABET Inc.

Advising and Student Services

All students in the College of Business must be advised each semester until they have earned at least 61 semester credit hours. Advising takes place in the Pre-business Advising Center and the Departments of Accounting, Computer Science, Economics and Finance, General Business, and Management, Marketing, and International Business. Students who are on academic probation are allowed to register during the early registration period and must be advised in their academic department before registering.

Scholarships and Fellowships

Scholarships for College of Business majors are administered through the Alumni Foundation. A limited number of scholarships are awarded through the academic departments. Applications for scholarships are due early each spring semester.

Student Organizations

Students interested in clubs and organizations for business majors or minors should visit with an adviser in their major department. Student organizations include Accounting Club, Alpha Omega, American Marketing Association, Computer Science Club, Finance Club, Phi Beta Lambda, and Society for Advancement of Management.

Honoraries include Beta Alpha Psi, Beta Gamma Sigma, Epsilon Chi Omicron, Mu Kappa Tau, Omicron Delta Epsilon, Sigma Iota Epsilon and Upsilon Pi Epsilon.

National Honorary Society

Beta Gamma Sigma is the honor society for students enrolled in business and management programs accredited by AACSB International - The Association to Advance Collegiate Schools of Business. Election to lifetime membership in Beta Gamma Sigma is the highest honor a business student in the world can receive in an undergraduate or master's program at a school accredited by AACSB International. Students, based on high academic achievement, and tenured business school faculty members are the only ones eligible for membership in the society. Membership is limited to outstanding men and women students who give promise of success in the field of business and who rank in the upper seven percent of the junior class or the upper 10 percent of the senior class. With more than 500,000 members worldwide, the society's membership comprises the brightest and best of the world's business leaders.

Beta Gamma Sigma membership provides recognition for a lifetime. With alumni chapters in the major metropolitan areas across the United States, the BGS Career Central job board, and the BetaLink online membership community, those recognized for their academic achievements at SFA can continue an active relationship with

Beta Gamma Sigma long after graduation. This lifelong commitment to its members' academic and professional success is defined in the society's mission: To encourage and honor academic achievement in the study of business and personal and professional excellence in the practice of business.

Program Information

1. See the following Degree Requirements for complete listings of course requirements. See individual departments on the following pages for suggested course sequences.
2. Students are eligible to file a degree plan when they have selected a major and have completed a minimum of 45 credit hours. Students may not apply for a degree plan if they are currently enrolled in remedial courses.
3. Enrollment in business courses numbered 300 or higher is limited to students who will have completed at least 60 hours of course work by the end of the semester for which the student is enrolling. Specified prerequisites for the course(s) in question must be completed before enrollment in the respective course unless indicated otherwise in the course description. If a student has fewer than 60 hours of course work at the time of registration, he/she may register for business courses numbered 300 or higher only with permission of the chair of the department(s) offering the course(s).
4. No more than three hours of Special Problems (475) and no more than three hours of Internship (ACC 485, CSC 385, ECO 485, FIN 485, GBU 485, MGT 476, MKT 486) may count toward a bachelor's degree in the College of Business. Internship courses may count only as electives and may not count toward completion of major or minor requirements in accounting, business economics, computer science, computer information systems, economics or finance.
5. Management 463 - Business Policy and Strategy, the capstone course required of all B.B.A. students, must be completed in residence at Stephen F. Austin State University.
6. A student on academic suspension as defined earlier in this bulletin may be allowed to continue in the College of Business by one of the following procedures:
 - (1) Attend summer school at SFA and
 - (a) Raise his/her SFA grade point average to 2.0, or
 - (b) Pass with a C average or better at least nine semester credit hours as specified by the dean's office. This will take two summer sessions.
 - (2) Be reinstated on continued suspension automatically after meeting the required semester(s) absence from the university.
7. No non-business major may have more than 25 percent of his or her undergraduate program in business courses.

Degree Requirements

Bachelor of Arts Degree [B.A.]

Economics

1. Core Curriculum Requirements

- A. Communication Skills (12-14 hours)
 - (1) Six semester hours from ENG 131, 132, 133H, 235
 - (2) Six to eight semester hours from BCM 247; COM 111, 170; ENG 273; FRE 131, 132; SPA 131, 132; ILA 111, 112; SPH 172, 272
- B. Mathematics (three hours)
MTH 220
- C. Natural Sciences (six to eight hours)
Six to eight semester hours from AST 105*; BIO 121*, 123*, 131, 133, 225, 238; CHE 111*, 112*, 133*, 134*, 231*; ENV 110, GOL 131*, 132*; PHY 101*, 102*, 110*, 118*, 131*, 132*, 241*, 242*. (Where indicated by an asterisk, the appropriate laboratory course must be taken in conjunction with the lecture course.)
- D. Humanities & Visual and Performing Arts (six hours)
 - (1) Three semester hours from ART 280, 281, 282; MUS 140; MHL 245; THR 161, 370; DAN 140, 341
 - (2) Three semester hours from ENG 200, 211, 212, 221, 222, 229, 230, 233H, 235, 300; PHI 153, 223; HIS 151, 152
- E. Social and Behavioral Sciences (15 hours)
 - (1) Six hours from HIS 133, 134
 - (2) PSC 141, 142
 - (3) ECO 231

2. Major requirements

- A. CSC 121, ECO 231 and MTH 220 (if not already completed in Item 1 above)
- B. Proficiency in a modern foreign language through the equivalent of SFA's 232 courses or four semesters of the same language
- C. ECO 232, 331, 339, 351, 353
- D. Twelve hours of advanced ECO electives (courses numbered 300-499)

3. Additional Requirements

- A. A. An academic minor of at least 18 semester hours, but not more than 23 semester hours, with at least nine hours advanced and at least six hours advanced at SFA; or
B. A second major of at least 24 semester hours with at least 12 advanced hours at SFA.
- B. Hours requirements: At least 42 semester hours of advanced work, with at least 36 advanced at SFA; at least 42 semester hours of work in residence at SFA; and at least 120 semester hours total. No more than 32 hours of course work from the following areas: ACC, FIN, GBU, OSY, MKT, MGT, BLW, BCM.
- C. Grade requirements: A grade of at least C in each freshman English course; at least a 2.0 GPA overall at SFA; at least a 2.0 GPA in major courses taken at SFA and in transfer courses; and at least a 2.0 GPA in all minor or second major courses overall and in transfer courses.

- D. No more than three hours of Special Problems from the College of Business (ACC 475, CSC 475, ECO 475, FIN 475, GBU 475, MGT 475, MKT 475) and no more than three hours of Internships from the College of Business (ACC 485, CSC 385, ECO 485, FIN 485, GBU 485, MGT 476, MKT 486) may count toward a B.A. in Economics. In addition, the internship courses may count only as electives and may not count toward completion of major or minor course requirements for the B.A. in Economics.
- E. All students must satisfy provisions of the Texas Success Initiative program. See TSI information elsewhere in this bulletin.

Bachelor of Arts Degree [B.A.]

Information Technology

1. Core Curriculum Requirements

- A. Communication (12 to 14 hours)
 - (1) Six semester hours from: ENG 131, 132, 133H, 235
 - (2) Six to eight semester hours from: BCM 247; COM 111, 170; ENG 273; FRE 131, 132; ILA 111, 112; SPA 131, 132; SPH 172, 272
- B. Mathematics (3-5 hours)
Three semester hours from MTH 133, 138, 139, 143, 144, 233, 234
- C. Natural Sciences (six to eight hours)
Six to eight semester hours from AST 105; BIO 121, 123, 131, 133, 225, 238; CHE 111, 112, 133, 134, 231; ENV 110; GOL 131, 132; PHY 101, 102, 110, 118, 131, 132, 241, 242 (PHY 110 is recommended as one course.) Note: Most science courses require co-enrollment in an appropriate laboratory course.
- D. Humanities and Visual and Performing Arts (six hours)
 - (1) Three semester hours from: ART 280, 281, 282; MHL 245; MUS 140; THR 161, 370; DAN 140, 341
 - (2) Three semester hours from: ENG 200, 211, 212, 221, 222, 229, 230, 233H, 300
- E. Social and Behavioral Sciences (15 hours):
 - (1) HIS 133, 134
 - (2) PSC 141, 142
 - (3) Three semester hours from: ANT 231; ECO 231, 232; GEO 131, 230; PSY 133, 153; SOC 137, 139 (ECO 231 or 232 is recommended.)

2. College Requirements (12 hours)

- A. MTH 220
- B. BLW 335 or GBU 325
- C. Two additional courses (at least six semester hours) must be taken from the College of Liberal and Applied Arts and/or the College of Fine Arts.

3. Major Requirements (34 hours)

- A. CSC 101 or 121, 102, 202, 211
- B. 12 semester hours from: CSC 340, 350, 351, 353, 355
- C. Three semester hours from: CSC 452, 455
- D. CSC 411 (one hour)
- E. Six semester hours from: advanced computer science courses (a maximum of

three hours may be used from CSC 385 and 412)

A student must have a grade of C or better in all courses which are prerequisite to a computer science course before enrolling in that course. At least 12 advanced hours of computer science must be completed at SFA. Must maintain a C average in advanced computer science courses at SFA.

4. Minor (18-23 hours) or Second Major (at least 24 hours)
 - (1) An academic minor of at least 18 semester hours, but not more than 23 semester hours, with at least nine advanced hours and at least six advanced hours at SFA.
 - (2) A second major of at least 24 semester hours with at least 12 advanced hours at SFA.

5. Hours Requirements:

At least 42 hours in residence at SFA; at least 42 advanced hours; at least 36 advanced hours in residence at SFA; and at least 12 advanced hours in computer science at SFA. For item 4 above, at least six advanced hours in the minor at SFA or at least 12 advanced hours in the second major at SFA. At least 120 semester hours total (excluding remedial type courses and any activity courses in excess of four semester credit hours).

6. Grade requirements:

*Maintain at least a 2.0 grade point average in courses completed at SFA and a grade of at least C in each freshman English course. Maintain at least a 2.0 grade point average in major course work at SFA, in minor/second major course work at SFA, in advanced computer science courses at SFA, and in transfer courses.

*Note: Required averages are based on those courses in each category which are included in the student's official degree plan.

7. Other Requirements:

If the approximate equivalent of a required upper division course is taken at another accredited institution at the freshman-sophomore level and transferred to SFA, the transferred course will be accepted for elective credit only and an appropriate junior-senior level course in the same field will be substituted for the required course.

8. All students must satisfy provisions of the Texas Success Initiative program. See TSI information elsewhere in this bulletin.

Bachelor of Business Administration Degree [B.B.A.]

1. Core Curriculum Requirements

- A. Communication Skills (12 hours)
 - (1) Six semester hours from: ENG 131, 132, 133H, 235.
 - (2) BCM 247, COM 111
- B. Quantitative Skills and Sciences (three hours)
 - (1) MTH 220
- C. Natural Sciences (six to eight hours)
 - (1) Six to eight semester hours from: AST 105*; BIO 121*, 123*, 131, 133, 225, 238; CHE 111*, 112*, 133*, 134*, 231*; ENV 110, GOL 131*, 132*; PHY 101*, 102*, 110*, 118*, 131*, 132*, 241*, 242*.

*An asterisk following a course number indicates that the appropriate laboratory course must be taken in conjunction with the lecture course.

- D. Humanities and Visual and Performing Arts (six hours)
 - (1) Three semester hours from: ART 280, 281, 282; MHL 245; MUS 140; THR 161, 370; DAN 140, 341
 - (2) Three semester hours from: ENG 200, 211, 212, 221, 222, 229, 230, 233H, 235, 300; PHI 153, 223; HIS 151, 152
- E. Social Sciences and Behavioral Sciences (15 hours)
 - (1) HIS 133, 134
 - (2) PSC 141, 142
 - (3) ECO 231

2. Business Field of Study (Some of these requirements may be taken to satisfy part of the Core Curriculum Requirements listed in Item 1.)

- A. MTH 143, 144, 220
- B. COM 111, BCM 247
- C. ECO 231, 232
- D. CSC 121
- E. ACC 231, ACC 232

3. Foundation Requirements:

ACC 231, 232; BCM 247; CSC 121; GBU 325, BLW 335; ECO 231, 232, 339; FIN 333; MGT 370, 371, 463 (MGT 463 must be completed at SFA); and MKT 351.

4. Major Requirements:

Accounting Major: ACC 331, 332, 333, 343, 437, 442, 453, 465, CSC 340, ENG 273 (30 hours); Five-Year Accounting Program (B.B.A./M.P.A.); Degree requirements are listed in accounting section;

Business Economics Major: ECO 331, 351, 353, plus 12 hours from advanced level courses in Economics (21 hours);

Computer Information Systems Major: CSC 102, 202, 211, 214, 241, 321, 323, 411 (one hour), 426, plus nine advanced hours of computer science excluding CSC 340, 350, 351, 353, 355, 385, 412, 452, and 455 (34 hours). A student must have a grade of C or better in all courses which are prerequisite to a computer science course before enrolling in that course. At least 12 advanced hours of computer science must be completed at SFA. Must maintain a C average in advanced computer science courses at SFA. A Computer Information Systems major is not required to take CSC 121 in the BBA foundation requirements.

Finance Major: FIN 357, 370, 373 and 18 hours from the following: three to six hours from FIN 401, ACC 331, 332, 333, 343; and 12-15 hours of advanced electives from ECO 331, FIN 358, 367, 401 (if not taken above), 410, 415, 433, 458, 471, 474, 475 and 490 (27 hours);

General Business Major: (a) six hours selected from ECO 331, FIN 357, 361, GBU 321 and MGT 373; (b) six hours, representing two of the following areas - law: BLW 366, 437, 456, 468 and 478; communication: BCM 347, 447 and 450; technology: GBU 310, 440, 461 and CSC 340; (c) nine advanced hours within the College of Business. (21 hours);

International Business Major: See Department of Management, Marketing, and International Business section for major requirements.

Management Major: MGT 422, 472, three to seven hours from MGT 380, PSY 330, SOC 378, STA 320, or ACC 333, and nine to 12 additional advanced semester hours in management. (See Department of Management, Marketing, and International Business for more detailed information.) (21-22 hours);

Marketing Major: MKT 355, 425, 452, 455, 457, plus nine hours from advanced Marketing courses (24 hours) (See Department of Management, Marketing, and International Business for more detailed information.);

5. No more than three hours of Special Problems (475) and no more than three hours of Internship (ACC 485, CSC 385, ECO 485, FIN 485, GBU 485, MGT 476, MKT 486) may count toward a bachelor's degree in the College of Business. Internship courses may count only as electives and may not count toward completion of major course requirements in accounting, business economics, computer information systems, or finance.

6. Hours Requirements:

At least 42 hours in residence at SFA; at least 42 hours advanced; at least 36 hours advanced in residence at SFA; at least 50 percent of business requirements including at least 12 hours of advanced work in major in residence at SFA; at least 60 hours of non-business courses (up to nine hours of economics, six hours of statistics, and all CSC courses may be counted as non-business for this purpose); and at least 120 semester hours total (excluding remedial type courses or activity courses in excess of four semester credit hours).

7. Grade Requirements:

*Maintain at least a 2.0 GPA average in courses completed at SFA and a grade of at least C in each freshman English course. Maintain at least a 2.0 GPA average in major course work, minor course work, B.B.A. foundation requirements, and overall in College of Business courses at SFA and in transfer courses.

**Note: Required averages are based on those courses in each category which are included in the student's official degree plan.*

8. Additional Requirements:

- A. If the approximate equivalent of a required upper division course is taken at another accredited institution at the freshman-sophomore level and transferred to SFA, the transferred course will be accepted for elective credit only and an appropriate junior-senior level course in the same field will be substituted for the required course.
- B. All students must satisfy provisions of the Texas Success Initiative program. See TSI information elsewhere in this bulletin.

Bachelor of Science Degree [B.S.]

Computer Science

1. Core Curriculum Requirements

- A. Communication Skills (12 hours)
 - (1) Six semester hours from: ENG 131, 132, 133H, 235
 - (2) COM 111 and ENG 273
- B. Mathematics (three hours) MTH 220

C. Natural Sciences (six to eight hours)

Two semesters of one natural laboratory sciences from: AST 105*; BIO 131, 133, 225, 238; CHE 133*, 134*, 231*; GOL 131*, 132*; PHY 110*, 131*, 132*, 241*, 242*. AST 105 counts as a non sequence physics course. (PHY 110 is recommended as one course)

One science must contain a two-semester course sequence.

**An asterisk following a course number indicates that the appropriate laboratory course must be taken in conjunction with the lecture course.*

D. Humanities and Visual and Performing Arts (six hours)

(1) Three semester hours from: ART 280, 281, 282; DAN 140, 341; MHL 245; MUS 140; THR 161, 370

(2) Three semester hours from: ENG 200, 211, 212, 221, 222, 229, 230, 233H, 300

E. Social and Behavioral Sciences (15 hours)

(1) HIS 133, 134.

(2) PSC 141, 142

(3) Three semester hours from: ANT 231; ECO 231, 232; GEO 131, 230; PSY 133, 153; SOC 137, 139.

2. College selected requirements (Some of these may be taken to satisfy part of the Core Curriculum requirements listed in Item 1):

A. COM 111, ENG 273

B. MTH 139 or 140, 233, 234, 220

C. Two semesters each of two natural laboratory sciences from: AST 105*; BIO 131, 133, 225, 238; CHE 133*, 134*, 231*; GOL 131*, 132*; PHY 110*, 131*, 132*, 241*, 242*. One science must contain a two-semester course sequence. AST 105 counts as a non-sequence physics course. (PHY 110 is recommended as one course)

**An asterisk following a course number indicates that the appropriate laboratory course must be taken in conjunction with the lecture course.*

D. Three hours from ENG 200, 211, 212, 221, 222, 229, 230, 233H, 235, 300.

3. Major Requirements:

CSC 102, 202, 211, 214, 241, 321 or 331, 323, 333, 342, 343, 411 (one hour); nine hours from (CSC 425, 435, 441, 442, 445), plus three advanced hours of computer science excluding CSC 340, 350, 351, 353, 355, 385, 412, 452, and 455 (43 hours). A student must have a grade of C or better in all courses which are prerequisite to a computer science course before enrolling in that course. At least 15 advanced hours of computer science must be completed at SFA. Must maintain a C average in advanced computer science courses at SFA.

4. Minor Thread Requirements (12 hours):

Twelve hours from an academic minor with at least six advanced hours at SFA. (Courses satisfying this requirement may not be used to satisfy any other degree requirement.)

5. Hours Requirements:

At least 42 hours in residence at SFA; at least 42 hours advanced; at least 36 advanced hours in residence at SFA; at least 15 hours of advanced work in computer science at SFA; at least six hours of advanced work in the minor thread at SFA; and

at least 120 semester hours total (excluding remedial type courses or any activity courses in excess of four semester credit hours.)

6. Grade requirements:

*Maintain at least a 2.0 grade point average in courses completed at SFA and a grade of at least C in each freshman English course. Maintain at least a 2.0 grade point average in major and minor course work and in advanced computer science courses at SFA, and in transfer courses.

**Note: Required averages are based on those courses in each category which are included in the student's official degree plan.*

7 Other Requirements:

If the approximate equivalent of a required upper division course is taken at another accredited institution at the freshman-sophomore level and transferred to SFA, the transferred course will be accepted for elective credit only and an appropriate junior-senior level course in the same field will be substituted for the required course.

All students must satisfy provisions of the Texas Success Initiative program. See TSI information elsewhere in this bulletin.

GERALD W. SCHLIEF SCHOOL OF ACCOUNTANCY

Treba A. Marsh, Director

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Areas of Study & Degrees

B.B.A.

- Emphasis Area: Accounting
 - Professional Accountancy
- Minor:
- Accounting

Faculty

Professors

Jack R. Ethridge, Treba A. Marsh,
Violet C. Rogers

Associate Professor

W. Rhea Clark

Assistant Professors

Sharron M. Graves, George Hunt,
Bruce W. Runyan

Lecturer

Esther S. Bunn

Objectives

The overall objective of the school is to provide academic programs which enable students to prepare for entry into the profession of accountancy. The curriculum is under continuous review to ensure that it is responsive to the changing requirements of the accounting profession. In addition, the school provides support courses for non-accounting majors.

Definition of Majors

The school offers three outstanding and comprehensive programs. The accounting degree programs cover concepts of financial accounting, managerial accounting, and information systems for accounting and management. These subjects make up the core of the accounting curriculum. Students also gain critical knowledge in the areas of auditing and taxation. Depending upon the degree program, other course options include not-for-profit/governmental, oil and gas, international, or managerial accounting. The three degree programs offered are:

B.B.A./M.P.A.: SFA's five-year program leads to a Master of Professional Accountancy degree for those who are primarily interested in pursuing a career in public accounting. The program contains 156 hours of course credit and was designed to meet the changing needs of the profession. It complies with all the edu-

educational requirements for those who wish to take the CPA exam. A bachelor's degree is awarded simultaneously with the M.P.A.

M.P.A.: SFA's Stand Alone M.P.A. has a 36 semester hour core. The program is designed for those students holding a baccalaureate degree who wish to obtain a master's degree in accounting and meet the educational requirements to take the CPA exam. (See Graduate Bulletin for course requirements.)

B.B.A.: SFA's four-year B.B.A. accounting program is available for those who are primarily interested in careers in non-public accounting. This program alone does not provide all of the educational requirements for those interested in sitting for the CPA exam.

Four-Year Program

Accounting majors should meet the requirements for a Bachelor of Business Administration degree as outlined in this bulletin. A major in accounting consists of ACC 231, 232, 331, 332, 333, 343, 437, 442, 453, 465, 457; CSC 340 and ENG 273.

Four-Year Degree Program :

Bachelor of Business Administration

Suggested course outline

Freshman Year

Freshman ENG	3	Freshman ENG	3
ART/MUS/THR/DAN	3	CSC 121	3
HIS or PSC	3	HIS or PSC	3
MTH 143	3	MTH 144	3
Science	4	Science	4
	<u>16</u>		<u>16</u>

Sophomore Year

ACC 231	3	ACC 232	3
ECO 231	3	ECO 232	3
MTH 220	3	BCM 247	3
LIT/PHI/HIS	3	HIS or PSC	3
HIS or PSC	3	COM 111	3
		Elective	3
	<u>15</u>		<u>18</u>

 Junior Year

CSC 340	3	MGT 370	3
FIN 333	3	ACC 332	3
ACC 331	3	ACC 343	3
ACC 333	3	ECO 339	3
GBU 325	3	BLW 335	3
Elective	1		
	<u>16</u>		<u>15</u>

 Senior Year

MGT 371	3	MGT 463	3
ACC 442	3	ACC 437	3
MGT 351	3	ACC 465	3
ACC 453	3	ACC 457	3
	<u>12</u>		<u>12</u>

Students should consult with an adviser before registering.

Five-Year Degree Program*:
Bachelor of Business Administration Master of Professional Accountancy Program
Suggested course outline

 Freshman Year

Freshman ENG	3	Freshman ENG	3
MTH 143	3	MTH 144	3
Science	4	Science	4
HIS or PSC	3	HIS or PSC	3
ART/MUS/THR/DAN	3	CSC 121	3
	<u>16</u>		<u>16</u>

 Sophomore Year

ACC 231	3	ACC 232	3
ECO 231	3	ECO 232	3
MTH 220	3	BCM 247	3
LIT/PHI/HIS	3	HIS or PSC	3
HIS or PSC	3	COM 111	3
		Elective	3
	<u>15</u>		<u>18</u>

Junior Year

ACC 331	3	ACC 332	3
ACC 333	3	ACC 343	3
CSC 340	3	ECO 339	3
FIN 333	3	BLW 335	3
GBU 325	3	MGT 370	3
Elective	1		
	16		<u>15</u>

Senior Year

ACC 453	3	**ACC 512	3
MGT 371	3	Elective (Grad Credit)	3
ACC 442	3	MGT 463	3
ACC 457	3	ACC 465	3
MKT 351	3	ACC 437	3
	<u>15</u>		<u>15</u>

Graduate Year

ACC Elective (Grad credit)	3	ACC 532	3
FIN 514 or 554	3	ACC Elective (Grad credit)	3
ACC Elective (Grad Credit)	3	ACC Elective (Grad credit)	3
ACC 547	3	Elective (Grad credit)	3
Elective (Grad credit)	3	BLW 547 or FIN 510	3
	<u>15</u>		<u>15</u>

*M.P.A./B.B.A. degree consists of 120 hours undergraduate and 36 hours graduate.

**A student must apply for admission and be admitted to the M.P.A. program and graduate school no later than the semester prior to the first semester of enrolling in any 500-level course. The two-step admission process is:

1. Receive clear admission to the M.P.A. program. Requirements for admission are:
 - a. completion of at least 75 hours (including all 100/200 level courses plus a minimum of 15 hours of Accounting.)
 - b. cumulative GPA of 2.5
 - c. 2.5 Accounting G.P.A. or better in all accounting courses completed at the time of admission and maintain a C or better in all accounting courses
2. Receive clear admission to graduate school. Requirements include (see Graduate Bulletin for complete details):
 - a. present satisfactory score on Graduate Management Admission Test (GMAT)
 - b. file formal application for admission to graduate school

See the General and Graduate Bulletins for specific requirements.
Students should consult with an adviser before registering.

Definition of Minor

A minor in accounting consists of ACC 231, 232, 331, 332, plus six hours of advanced accounting excluding ACC 465. At least nine hours (six of which must be advanced) must be completed at SFA. Total 18 hours with at least a 2.0 GPA.

Courses in Accounting (ACC)

See information at the beginning of the College of Business section regarding eligibility for upper-level business courses.

- 101. **Small Business Accounting** - Practical application of accounting procedures for small businesses. Emphasis on accounting cycle, inventories, internal control, and taxes. May not be taken by business majors.
- 231. **Principles of Financial Accounting (ACCT 2301)** - Introduction to concepts, principles, processes and uses of accounting information for financial reporting. Prerequisite: Three hours of college-level math (may be taken concurrently).
- 232. **Principles of Management Accounting (ACCT 2302)** - Introduction to concepts, principles, and processes applicable to the collection and reporting of data useful for planning, controlling and decision-making. Prerequisite: ACC 231.
- 331. **Intermediate Accounting** - Study and application of generally accepted accounting principles in the accounting process and statement preparation. Prerequisite: ACC 232.
- 332. **Intermediate Accounting** - Continuation of ACC 331. Prerequisite: ACC 331 with grade of C or better.
- 333. **Cost Accounting** - Job order, process, standard, and direct cost systems with emphasis on management use of cost data. Prerequisite: ACC 232.
- 343. **Federal Income Tax** - Introduction to federal income tax legislation as applied to individuals and business. Prerequisite: ACC 232.
- 437. **Auditing Principles** - Financial and operational audit theory for public and non-public companies. Prerequisites: ACC 332, ECO 339, and three hours of computer science.
- 442. **Advanced Financial Accounting I** - Advanced financial accounting topics. Prerequisite: ACC 332.
- 453. **Accounting and Information Systems** - Overall data flow systems emphasizing financial information and computerized systems for accounting. Prerequisites: ACC 332 and three hours of computer science.
- 457. **Controls and Internal Auditing** - Introduction to internal auditing and risk assesment techniques with an emphasis on internal control evaluation and reporting. Prerequisites: ACC 332 and three hours of Computer Science.
- 465. **Ethics and Professional Issues in Accounting** – Introduction of ethical reasoning, integrity, objectivity, independence, core values and professional issues in accounting. Application of concepts and theories to cases. Senior Standing. Prerequisites: ACC 333, 343, and 442.
- 470. **Topics in Accounting** - One to three semester hours. In-depth study of selected topics in accounting. Titles and topics will vary. May be repeated with a change of topic up to a maximum of three hours total credit.

- 475. Special Problems** - Individual instruction in accounting. Prerequisites: Junior standing and approval of department chair.
- 485. Internship in Accounting** - One to three semester hours. Internship in an accounting position with faculty supervision. May not be used to satisfy advanced level accounting course hours for a major or minor in accounting. Prerequisites: ACC 332 and an Accounting GPA of 2.75. Approval of department chair and supervising instructor.

For listing of graduate courses for five-year program, consult the current Graduate Bulletin.

DEPARTMENT OF COMPUTER SCIENCE

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Areas of Study & Degrees

- B.S. Computer Science
 - B.B.A. Computer Information Systems
 - B.A. Information Technology
- Minors:
- Computer Science
 - Computer Information Systems
 - Information Technology

Faculty

Professors

Michael M. Pickard, Robert G. Strader, Craig A. Wood

Associate Professor

Deborah L. Dunn

Assistant Professor

Minho Park

Instructors

Stephen R. Bradley, Greg T. Harber, William W. Long

Lecturers

Elizabeth Hutchinson, Gail J. Leslie, Jason W. Powell

Objectives

The digital computer is one of the most useful devices developed by mankind. Computer science is the discipline concerned with the study of this device and how it can be used to process information and help solve complex problems.

The computer science curriculum is designed to allow the future computer specialist to obtain a broad education coupled with detailed knowledge in computer science sufficient to lay a foundation for professional competence in the computing field. Non-specialists may also take computer science courses that will acquaint them with computing capabilities applicable to their main field of endeavor.

The department utilizes the computing facilities of the McGee Computing Laboratory and the University Computer Center.

Computer Science Program Accreditations

The Bachelor of Science degree with a major in computer science has been accredited by the Computing Accreditation Commission (CAC) of ABET Inc., the recognized accreditor of college and university programs in applied science, computing, engineering and technology. ABET accreditation demonstrates a program's commitment to providing its students with a quality education. The Bachelor of Business

Administration degree with a major in computer information systems is accredited by AACSB International - The Association to Advance Collegiate Schools of Business.

Student Organizations

The Computer Science Club is sponsored by the Department of Computer Science and is open to all students. This organization should be of particular interest to students who desire to become acquainted with the computing profession, computing professionals and students with similar interests.

Membership in Upsilon Pi Epsilon, the Computer Science Honor Society, is for selected juniors, seniors and graduate students who maintain specified scholastic standards. Students who want to be considered for this honor should consult the Delta Chapter faculty adviser or a student officer.

Definition of Majors

Bachelor of Science Degree (B.S.):

Computer Science Major

General Requirements

Students must satisfy the requirements for the Bachelor of Science degree with a major in computer science as listed in the College of Business section of this bulletin.

Computer Science Major Requirements

- 1. CSC 102, 202, 211, 214, 241 15 hrs
- 2. CSC 321 or 331, 323, 333, 342, 343 15
- 3. CSC 411 1
- 4. Nine hours from CSC 425, 435, 441, 442, 445 9
- 5. Three advanced hours of computer science 3
(excluding CSC 340, 350, 351, 353, 355, 385, 412, 452, and 455)

At least 15 advanced hours of computer science must be completed at SFA. Must maintain a C average in advanced computer science courses at SFA.

TOTAL 43 hrs

Suggested courses by area of interest:

- 1. Information Systems Applications Programming
CSC 102, 202, 211, 214, 241, 321, 323, 333, 342, 343, 411, 425, 426, 435, 442
- 2. Scientific Applications Programming
CSC 102, 202, 211, 214, 241, 323, 331, 333, 342, 343, 411, 425, 435, 441, 445
- 3. Applied Systems Programming
CSC 102, 202, 211, 214, 241, 323, 331, 333, 342, 343, 411, 425, 435, 441, 442

Bachelor of Business Administration Degree (B.B.A.)

Computer Information Systems Major

General Requirements:

Students must satisfy requirements for the Bachelor of Business Administration degree as listed in the College of Business section of this bulletin.

Computer Information Systems Major Requirements

1. CSC 102, 202, 211, 214, 241 15 hrs
2. CSC 321, 323 6
3. CSC 411, 426 4
4. Nine advanced hours of computer science 9

(excluding CSC 340, 350, 351, 353, 355, 385, 412, 452, and 455)

At least 12 advanced hours of computer science must be completed at SFA.

Must maintain a C average in advanced computer science courses at SFA.

TOTAL 34 hrs

Bachelor of Arts Degree (B.A.)

Information Technology Major

General Requirements

Students must satisfy the requirements for the Bachelor of Arts degree with a major in information technology as listed in the College of Business section of this bulletin.

Information Technology Major Requirements

1. CSC 101 or 121, 102, 202, 211 12 hrs
2. 12 semester hours from: CSC 340, 350, 351, 353, 355 12
3. Three semester hours from: CSC 452, 455 3
4. CSC 411 (one hour) 1
5. Six semester hours from: advanced computer science courses 6

(a maximum of three hours may be used from CSC 385 and 412)

At least 12 advanced hours of computer science must be completed at SFA.

Must maintain a C average in advanced computer science courses at SFA.

TOTAL 34 hrs

Definition of Minors

Computer Science Minor Requirements

- A. CSC 102, 202, 211, 214, 241 15 hrs
- B. Six advanced hours of computer science 6

(excluding CSC 340, 350, 351, 353, 355, 385, 411, 412, 452, and 455)
At least 12 hours of computer science (six of which must be advanced) must be completed at SFA. Must maintain a 2.0 grade point average in minor courses completed at SFA, in advanced computer science courses at SFA, and in computer science transfer courses.

TOTAL 21 hrs

Computer Information Systems Minor Requirements

- A. CSC 102, 202, 211 9 hrs

- B. Twelve semester hours from the following with at least six hours being advanced: CSC 214, 241, and all three-hour advanced computer science courses (excluding CSC 351, 353, 355, 385, 411, 412, 452, and 455)..... 12 hrs
 At least 12 hours of computer science (six of which must be advanced) must be completed at SFA. Must maintain a 2.0 grade point average in minor courses completed at SFA, in advanced computer science courses at SFA, and in computer science transfer courses.

TOTAL 21 hrs

Information Technology Minor Requirements

- A. CSC 101 or 121, 102 6 hrs
 B. Nine semester hours from CSC 202, 211, 340, 350 9 hrs
 C. Six semester hours from an approved list of interdepartmental courses. (Contact the Department of Computer Science for an approved list of courses.).... 6 hrs
 At least 12 hours of computer science (six of which must be advanced) must be completed at SFA. Must maintain a 2.0 GPA in minor courses, in computer science courses completed at SFA, in advanced computer science courses at SFA and in computer science transfer courses.

TOTAL 21 hrs

Computer Science Teacher Certification (8-12)

- A. Students interested in computer science teacher certification, grades 8-12, should contact the Department of Computer Science and the Educator Certification Office in the College of Education.

Other Computer Users

- A. CSC 101 - A general study of computer types, capabilities, uses, and limitations; use of operating systems and application software on a microcomputer in a network environment.
 B. CSC 121 - A general study of computer types, capabilities, uses, and limitations from a business-oriented perspective; use of operating systems and application software on a microcomputer in a network environment.
 C. CSC 340 - Application software for microcomputers
 D. CSC 350 -Internet Technologies

Bachelor of Science with a Major in Computer Science

Suggested Course Sequence

Freshman Year

Freshman English	3	Freshman English	3
BIO, CHE, GOL, or PHY	4	BIO, CHE, GOL, or PHY	4
MTH 133 or 139	3	MTH 139 or 233	3
CSC 102	3	CSC 202	3
Core elective	<u>3</u>	Core elective	<u>3</u>
	16		16 <u>32</u>

Sophomore Year

English Literature	3	ENG 273	3	
BIO, CHE, GOL, or PHY	4	BIO, CHE, GOL, or PHY	4	
MTH 233 or 234	3	MTH 234 or 220	3	
CSC 211	3	CSC 241	3	
CSC 214	<u>3</u>	Minor or core elective	<u>3</u>	
	16		16	<u>32</u>

Junior Year

CSC 323	3			
CSC 321 or 331	3	CSC 342	3	
CSC 343	3	CSC 333	3	
MTH 220 or COM 111	3	Minor or core elective	<u>9</u>	
Minor or core elective	<u>3</u>		15	
	15			<u>30</u>

Core and Remaining Requirements

Three semester hours from:

ART 280, 281, 282; DAN 140, 341; MUS 140; MHL 245; THR 161, 370.....3

Three semester hours from:

ANT 231; ECO 231, 232; GEO 131, 230; PSY 133, 153; SOC 137, 139.....	3
HIS 133, 134.....	6
PSC 141, 142.....	6
CSC 411 and nine semester hours from: CSC 425, 435, 441, 442, 445.....	10
Three advanced hours of computer science (restricted).....	3
Minor thread or elective hours as required.....	<u> </u>
Minimum hours to complete degree program	26

See information at the beginning of the College of Business section regarding eligibility for upper-level business courses. In addition, a computer science major should complete the following 32 hours before enrolling in any upper-level computer science course.

Freshman English	6	MTH 233	3	
English 273	3	CSC 102, 202, 211;		
Science	8	214 or 241	<u>12</u>	
			<u>32</u>	

**Bachelor of Business Administration (BBA)
with a Major In Computer Information Systems**

Suggested Course Sequence

Freshman Year

Freshman English	3	Freshman English	3	
MTH 143	3	MTH 144	3	
Science	4	Science	4	
CSC 102	3	CSC 202	3	
Core elective	3	Core elective	3	
	<u>16</u>		<u>16</u>	<u>32</u>

Sophomore Year

ACC 231	3	ACC 232	3	
ECO 231	3	ECO 232	3	
BCM 247	3	MTH 220	3	
CSC 211	3	CSC 241	3	
CSC 214	3	ENG Literature	3	
	<u>15</u>		<u>15</u>	<u>30</u>

Junior Year

CSC 323	3	CSC 321	3	
COM 111	3	CSC advanced elective	3	
ECO 339	3	BLW 335	3	
GBU 325	3	FIN 333	3	
MGT 370	3	MGT 371	3	
	<u>15</u>		<u>15</u>	<u>30</u>

Core and Remaining Requirements

Three semester hours from:

ART 280, 281, 282; DAN 140, 341; MUS 140; MHL 245; THR 161, 370.....	3
HIS 133, 134.....	6
PSC 141, 142.....	6
MKT 351.....	3
MGT 463.....	3
CSC 411, 426.....	4
Six advanced hours of computer science (restricted).....	6
Elective hours as required	

Minimum hours to complete degree program..... 28

See information at the beginning of the College of Business section regarding eligibility for upper-level business courses. In addition, a computer information systems major should complete CSC 102, 202, 211, and 214 or 241 before enrolling in any upper-level computer science course.

Bachelor of Arts (BA) with a Major in Information Technology

Suggested Course Sequence

Freshman Year

Freshman English	3	Freshman English	3	
BIO, CHE, GOL, or PHY	4	BIO, CHE, GOL, or PHY	4	
MTH	3	CSC 102	3	
CSC 101 or 121	3	Core elective	6	
Core elective	3			
	16		16	32

Sophomore Year

English Literature	3	CSC 211	3	
MTH 220	3	CSC 340 or 350	3	
CSC 202	3	Minor requirement	3	
Core elective	6	Core elective	6	
	15		15	30

Junior Year

Major requirement	6	Major requirement	3	
Minor requirement	3	Minor requirement	6	
Liberal/Applied/Fine Arts	3	Liberal/Applied/Fine Arts	3	
Core elective	3	Core elective	3	
	15		15	30

Core and Remaining Requirements

Six to eight semester hours from:

BCM 247; COM 111, 170; FRE 131, 132; ILA 111, 112; SPA 131, 132;
 ENG 273; SPH 172, 272..... 6-8

Three semester hours from:

ART 280, 281, 282; DAN 140, 341; MUS 140; THR 161, 370..... 3

Three semester hours from:

ANT 231; ECO 231, 232; GEO 131, 230; PSY 133, 153; SOC 137, 1393
 (ECO 231 or 232 recommended)

HIS 133, 134 6

PSC 141, 142 6

BLW 335 or GBU 325 3

Twelve semester hours from: CSC 340, 350, 351, 353, 355..... 12

CSC 411 (one hour) and three semester hours from: CSC 452, 455..... 4

Six semester hours from: advanced computer science courses (restricted)..... 6

Minor or elective hours as required

Minimum hours to complete degree program..... 28

See information at the beginning of the College of Business section regarding eligibility for upper-level business courses. In addition, an information technology major should

complete CSC 101 or 121, 102, and 202 before enrolling in any upper-level computer science course.

Courses in Computer Science (CSC)

A student must have a grade of C or better in all courses that are prerequisite to a computer science course before enrolling in that course. Unless otherwise indicated, each course carries three semester hours credit and meets three hours per week. Enrollment in courses numbered 300 or above requires junior standing.

- 101. **Introduction to Computing** - General study of computer types, capabilities, uses, and limitations. Use of operating systems and application software on a microcomputer. Use of network environments to access online resources. Introduction to problem solving using a computer. Prerequisite: Two years of high school algebra or equivalent. Credit not available for students who have taken CSC 121. May not be taken by business majors.
- 102. **Computer Science Principles** - Fundamental concepts of computer systems, systems software, and an overview of computer science issues. Problem solving and program development using a high-level programming language. Prerequisite: Two years of high school algebra or equivalent.
- 121. **Introduction to Information Processing Systems (BCIS 1305)** - General study of computer types, capabilities, uses, and limitations from a business-oriented perspective. Use of operating systems and application software on a microcomputer. Use of network environments to access online resources. Introduction to problem solving using a computer. Prerequisite: Two years of high school algebra or equivalent. Credit not available for students who have taken CSC 101.
- 201. **Introduction to Computer Programming (COSC 1317)** - Basic techniques for solving problems by use of a digital computer. Emphasis on application of the computer as a quantitative tool, and on the use of the FORTRAN language. Prerequisite: Two years of high school algebra or equivalent.
- 202. **Computer Programming Principles** - Problem solving and algorithm design, program structures, data types, software development methods, and programming style. Prerequisite: CSC 102.
- 211. **Event-Driven Programming** - Emphasis on problem analysis, solution design, and programming methods. Implementation of commercial applications. Prerequisite: CSC 102.
- 214. **Computer Organization** - Binary representation of data and instructions, arithmetic and logical data operations, hardware structures, memory organization and addressing of data and data structures. Machine language and assembly language instructions and programming, hardware/software interface, and selected programming techniques. Prerequisite: CSC 202.
- 241. **Data Structures** - Advanced programming techniques including indirection and recursion. Conceptual development and implementation of data structures including arrays, records, linear lists, stacks, queues, trees, tables, and graphs. Applications involving strings, sorting, searching, and file operations. Prerequisites: CSC 202; CSC 211 recommended.

- 301. A Contemporary Programming Language** - One to three semester hours. Language constructs and applications area. Control structures, input/output, data structures. Use of language in problem solution implementation. May be repeated once for a different language. Prerequisite: Six hours of computer science or the equivalent. Additional prerequisites may vary with different languages.
- 321. Programming Methods and File Structures** - Programming efficiency techniques, debugging techniques, and file processing for applications in business. Comprehensive programming assignments. Prerequisites: CSC 202, 211.
- 323. Software Engineering** - Current software engineering theory and practice. Methodologies, techniques, and tools of software engineering. Prerequisite: CSC 241.
- 331. Object-Oriented Programming Methods** - Use of a modern object-oriented programming language for industrial applications emphasizing contemporary development practices. Comprehensive program assignments. Prerequisites: CSC 202, 211.
- 333. Discrete Structures for Computer Science** - Mathematical structures for describing data, algorithms and computing machines. Theory and applications of sets, relations, functions, combinatorics, matrices, graphs, and algebraic structures which are pertinent to computer science. Prerequisites: CSC 202; MTH 233 or 144.
- 340. Application Software for Microcomputers** - Advanced utilization of spreadsheet software. Utilization of database software. Operating systems and disk management skills. May not be used to satisfy advanced computer science requirements for a computer science/ computer information systems major or a computer science minor. Prerequisite: CSC 101, 102, or 121.
- 342. Algorithm Analysis** - Study of algorithm design, analysis tools, and techniques for selected problems including sorting, searching, graphs, branch and bound strategies, dynamic programming, algebraic methods, string matching, and sets. An introduction to order notation, timing routines, and complexity classes. Prerequisites: CSC 214, 241.
- 343. Computer Architecture** - Architectural structure and organization of computers. Analysis of the processor components, memory structure, I/O section, and bus. Study of system component interrelationships and interactions with the operating system. Prerequisites: CSC 214; CSC 241 recommended.
- 350. Internet Technologies** - Technology, structure, limitations, and uses of the Internet. E-commerce and digital transactions. Web page design. May not be used to satisfy advanced computer science requirements for a computer science/ computer information systems major or a computer science minor. Prerequisites: CSC 101, 102, or 121.
- 351. Internet Programming Concepts** - Introduction to Internet application programming using scripting languages and user-interface design in a server delivered, browser-based environment. Prerequisites: CSC 202, 350; or CSC 241.
- 353. System Administration** - The configuration, installation, and maintenance of a computer using a current operating system in a networked environment. Emphasis will be placed on resource management, performance and security. Prerequisites: CSC 202 or 211.

- 355. Network Administration** - Network administration principles, tools, and techniques including network installation, configuration, operation, and maintenance. Exploration of current issues, topics, and trends in network development. Prerequisite: CSC 202.
- 385. Internship in Computer Science** - One to three semester hours. Supervised on-the-job training in one or more facets of the field of computer science. Prerequisites: Advanced standing as a major or minor in computer science, three advanced hours of computer science, overall grade point average of 2.5 or better, computer science grade point average of 2.5 or better, and consent of the CSC 385 course supervisor. May not be used to satisfy advanced computer science requirements for a major or minor. May be repeated to a total of three hours credit. Pass or fail.
- 401. Contemporary Topics in Computer Science** - One to three semester hours. Study of recent developments and topics of current interest in computer science. A student may repeat this course once with department chair approval. May be used only once to partially satisfy the 400-level course requirement in computer science. Prerequisites: Six advanced hours of computer science or department chair approval. Particular prerequisites may vary with different topics.
- 411. Ethics in Computer Science** - One semester hour. Study of ethical concepts to guide computing professionals. Implications and effects of computers on society. Responsibilities of computing professionals in directing emerging technology. May not be used to satisfy requirements toward a minor in computer science, computer information systems, or information technology. Prerequisites: 18 hours of computer science with at least six hours advanced.
- 412. Computer Science Practicum** - Operation and supervision of computer facilities in a production and student environment. May not be used to satisfy requirements toward a minor in computer science or computer information systems. Prerequisites: 18 hours of computer science with at least six hours advanced, and chair approval. Majors only.
- 421. Applied Operations Research** - Quantitative techniques for resource management, decision making, and system analysis, with emphasis on development and use of computer implementations of mathematical models. Prerequisites: CSC 241; MTH 144 or 233; MTH 220
- 425. Database Management Systems** - Study of database management systems. Design and implementation of applications using database management systems. Prerequisites: CSC 241; CSC 321 or 331; three additional advanced hours of computer science excluding CSC 340, 350, and 385.
- 426. Requirements Engineering and System Modeling** - Study of the methodology for building a complete application system. Emphasis on critical analysis of existing systems and design of computer-based systems. Prerequisite: CSC 323.
- 431. System Simulation and Model Building** - Simulation methodology, generation of random variates, design of experiments with deterministic and stochastic models. Prerequisites: CSC 241; MTH 144 or 233; MTH 220.
- 435. Teleprocessing and Data Communications** - Functional

evolution and role of data communications. Considerations in data communications. Applications in general. The design issues. System components and their interrelationships. Networks. Prerequisites: CSC 241, 343.

- 441. Principles of Systems Programming** - Operating systems principles, systems utilities, language processors, and user interfaces. Prerequisites: CSC 214, 241; CSC 323 or 342 or 343.
- 442. Organization of Programming Languages** - Language definition, structure, data types, control structures, parameter passage, subprogram interface, and block structured language. Information binding, data storage and mapping, execution environments, input/output, recursion, multiprocessing. Prerequisites: CSC 241; CSC 323 or 342 or 343.
- 445. Computer Graphics** - Overview of the hardware, software, and techniques used in computer graphics. Graphics primitives, two-dimensional transformations, painting, windowing, and clipping. Three-dimensional graphics including hidden lines and surfaces, lighting, texturing, and shading. Prerequisites: CSC 241; CSC 323 or 342 or 343; MTH 133.
- 452. Database Application Development** - Applied study of the logical and physical organization of database systems and their role in information technology. Design and implementation of applications using database management systems. Prerequisites: CSC 211, 340.
- 455. Enterprise Security** - Practical approaches to ensuring the security of information systems. Prerequisites: CSC 353, 355.
- 475. Special Problems** - One to three semester hours. Individual instruction in a computer science. May be repeated once for a different topic with department chair approval. Prerequisites: Junior standing and approval of department chair.

DEPARTMENT OF ECONOMICS & FINANCE

Clifton T. Jones, Chair

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Areas of Study & Degrees

- B.B.A. Business Economics
- B.B.A. Finance
- B.A. Economics

Minors:

- Economics
- Finance

Faculty

Professors

Clifton T. Jones, John H. Lewis, J. Bert Stine, Michael D. Stroup

Associate Professors

T. Parker Ballinger, S. Kyle Jones, G.D. Simmons

Assistant Professors

Todd A. Brown, Stephen M. Kosovich, Mikail Kouliavstev, Ryan T. Phelps, Mark A. Scanlan,

Objectives

The Department of Economics and Finance provides modern training in economic and financial theory and practice to prepare students for a successful career in business, industry or government.

Graduates with a degree in business economics or finance are prepared for a wide variety of challenging and rewarding positions in such fields as banking, investments, corporate financial management, insurance, real estate, financial planning, economic research and market analysis. A degree in economics also provides a very solid foundation for further graduate study, especially in law or public affairs.

Definition of Majors and Minors

Bachelor of Business Administration (B.B.A.): Business Economics Major

A first or second major in business economics for a B.B.A. candidate consists of all the degree requirements for the B.B.A. listed earlier in this bulletin (which includes ECO 231, 232 and 339), plus ECO 331, 351, 353 and 12 hours of advanced economics electives. Total 21 hours with at least a 2.0 grade point average in all economic courses. At least 12 advanced hours must be completed at SFA.

Bachelor of Arts (B.A.): Economics Major

A first major in economics for a B.A. candidate consists of all the degree requirements for the B.A. in economics listed earlier in this bulletin (which includes ECO 231), plus ECO 232, 331, 339, 351, 353 and 12 hours of advanced economics electives. Total 27 hours with at least a 2.0 grade point average in all economics courses at SFA and overall. At least 12 advanced hours must be completed at SFA.

A second major in economics for a non-B.B.A. candidate consists of ECO 231, 232, 331, 351, 353 and nine hours of advanced economics electives. Total 24 hours with at least a 2.0 grade point average at SFA and overall. At least 12 advanced hours must be completed at SFA.

Economics Minor

A minor in economics for a B.B.A. candidate consists of ECO 231, 232 and 339 (all of which are already included in the B.B.A. degree requirements), 351 or 353, and 6 hours of advanced economics electives. Total 18 hours (only nine additional hours) with at least a 2.0 grade point average. At least nine hours (six of which must be advanced) must be completed at SFA.

A minor in economics for a non-B.B.A. candidate consists of ECO 231, 232, 351 or 353, and nine hours of advanced economics electives. Total 18 hours with at least a 2.0 grade point average. At least nine hours (six of which must be advanced) must be completed at SFA.

Bachelor of Business Administration (B.B.A.): Finance Major

A first or second major in finance for a B.B.A. candidate consists of all the degree requirements for the B.B.A. listed earlier in this bulletin (which includes FIN 333), plus FIN 357, 370, 373; and 18 hours from the following: three to six hours from FIN 401, ACC 331, 332, 333, 343; and 12 to 15 hours from ECO 331, FIN 358, 367, 401 (if not taken above), 410, 415, 433, 458, 471, 474, 475 and 490. Total 27 hours; must have at least a 2.0 grade point average across all 27 hours plus FIN 333. At least 12 advanced hours must be completed at SFA.

Finance Minor

A minor in finance for a B.B.A. candidate consists of FIN 333 (already included in the B.B.A. degree requirements), 357, 370, 373, and six hours from FIN 358, 367, 401, 410, 415, 433, 458, 471, 474, 475 and 490. Total 18 hours (only 15 additional hours) with at least a 2.0 grade point average. At least nine hours (six of which must be advanced) must be completed at SFA.

A minor in finance for a non-B.B.A. candidate consists of ACC 231, FIN 333, 357, 370 and six hours from FIN 358, 367, 373, 401, 410, 415, 433, 458, 471, 474, 475 and 490. Total 18 hours with at least a 2.0 grade point average. At least nine hours (six of which must be advanced) must be completed at SFA.

Bachelor of Business Administration Suggested Program for Business Economics and Finance Majors

Freshman Year

ENG 131	3	ENG 132	3
MTH 143	3	MTH 144	3
Science w/lab	4	Science w/lab	4
HIS or PSC	3	HIS or PSC	3
CSC 121	<u>3</u>	ART, MUS, THR, or DAN	<u>3</u>
	16		16

Sophomore Year

ACC 231	3	ACC 232	3
ECO 231 or 232	3	ECO 231 or 232	3
ENG Lit/PHI/HIS	3	COM 111	3
HIS or PSC	3	HIS or PSC	3
BCM 247	<u>3</u>	MTH 220	<u>3</u>
	15		15

Junior Year

FIN 333	3	MGT 371	3
ECO 339	3	GBU 325	3
BLW 335	3	Major Requirement	3
MKT 351	3	Major Requirement	<u>3</u>
MGT 370	3	Major Requirement	
or Elective	<u>3</u>		
	15		15

Senior Year

Major Requirements		Major Requirements	
or Electives	<u>14</u>	or Electives	11
	14	MGT463	<u>3</u>
			14

Note: See the Degree Requirements in the College of Business for a complete listing of B.B.A. degree requirements and also see the Notes at the end of the introductory section for the College of Business.

**Bachelor of Arts
Suggested Program for Economics Majors**

Freshman Year

ENG 131	3	ENG 132	3
Language	4	Language	4
Science w/lab	4	Science w/lab	4
HIS or PSC	3	HIS or PSC	3
CSC 121	<u>3</u>	ART/MUS/THR/DAN	<u>3</u>
	17		17

Sophomore Year

Language	3	Language	3
ECO 231	3	ECO 232	3
ENG/PHI/HIS	3	HIS or PSC	3
HIS or PSC	3	MTH 220	3
Elective	<u>3</u>	Elective	<u>3</u>
	15		15

Junior Year

ECO 351	3	ECO 353	3
ECO 339	3	ECO elective	6
ECO 331	3	Major/Minor Requirements	<u>6</u>
Major/Minor Requirements or Electives	<u>6</u>		15
	15		

Senior Year

Major/Minor Requirements or Electives	<u>13</u>	Major/Minor Requirements or Electives	<u>13</u>
	13		13

NOTE: See the Degree Requirements for a complete listing of the B.A. in Economics degree requirements.

Course Credit

Unless otherwise indicated, courses are three semester hours credit.

Courses in Economics (ECO)

- 231. Principles of Macroeconomics (ECON 2301)** - Introduction to the behavioral science of economics which focuses on the aggregate behavior of households, firms and the government. Topics covered include gross domestic product, national income, economic growth, unemployment, inflation, the business cycle, fiscal policy and monetary policy, and international trade.
- 232. Principles of Microeconomics (ECON 2302)** - Introduction to the behavioral science of economics which focuses on the behavior of individual consumers, firms, government agencies and resource owners. Topics covered include basic price theory, market allocation of resources, consumer behavior, theory of the firm, governmental regulation of business, and comparative economic systems.
- 311. Managerial Economics** - Application of economic theory to business decisions. Prerequisite: ECO 232.
- 331. Money and Banking** – Study of the monetary system, commercial banking and central banking in the United States. Prerequisite: ECO 231.
- 337. Public Finance** - Study of the government's role in resource allocation in the economy, including identification of revenue sources and program expenditures, analysis of the effects of taxation and regulation, and understanding political markets and intergovernmental fiscal relations. Prerequisite: ECO 231 or 232.
- 339. Applied Statistical Analysis** - Application of statistical and quantitative methods. Prerequisite: MTH 220.
- 345. Industry Structure, Market Power and Anti-Trust Legislation** - Study of how industry structure determines the market power of individual firms. Examination of the impacts of market power and dominance on consumers and society in general, with an emphasis on the role played by government through anti-trust legislation. Prerequisite: ECO 232.
- 351. Income and Employment** - Overall performance of the economy with emphasis upon the determination of national income, employment, and price levels. Prerequisite: ECO 231.
- 353. Price Theory** - Internal workings of a market economy, including price determination and resource allocation in competitive and monopolistic situations. Prerequisite: ECO 232.
- 359. Sports Economics** - A survey of the economic theory and literature relevant to the various economic issues in professional and amateur sports. Topics include public funding of sports arenas, labor relations and compensation and antitrust issues in sports markets. Prerequisite: ECO 231 or 232.
- 361. Environmental Economics** - Economic treatment of environmental issues, including pollution abatement, air and water quality standards, ozone depletion, recycling and toxic waste, with an emphasis on environmental policy. Prerequisite: ECO 231 or 232.

- 439. Labor Economics** - Theory of labor markets, dealing with labor supply, demand, wage rate behavior, income distribution, wage differentials and unemployment. Prerequisite: ECO 231 or 232.
- 475. Special Problems in Economics** - One to three semester hours. Individual instruction in special topics in economics. Prerequisites: Senior standing and approval of department chair.
- 480. International Economics** - International trade theory, tariff and non-tariff barriers to trade, and international transactions statement analysis; foreign exchange analysis, direct investment, and current issues and events. Prerequisites: ECO 231, 232.
- 485. Internship in Economics** - Supervised on-the-job training in one or more facets of the field of economics. Cannot be used to satisfy any of the advanced economics courses required of economics majors or business economics majors or economics minors. Prerequisites: Junior standing as a major in economics or business economics or a minor in economics; overall GPA of 2.5 or better; economics GPA of 2.8 or better; and consent of department chair. Pass/fail.

Courses in Finance (FIN)

- 265. Real Estate Principles (REAL 1301)** - Basic principles of real estate transfers with emphasis on contracts of sale, deeds, abstracts, leases, options, liens, taxes, financing, and market conditions.
- 268. Real Estate Appraisal** - Functions, purposes, and techniques of appraising land and improvements. Prerequisite: FIN 265 or consent of instructor.
- 269. Personal Finance (BUSI 1307)** - Introduction to personal financial decision making. Prepares individuals to deal with decisions about goals, spending, home buying, managing risk and insurance, investing and retirement.
- 333. Introduction to Financial Management** - Role of finance in the modern business organization with emphasis on the decision process. Prerequisite: ACC 231.
- 357. Introduction to Investments** - Examination of the operation and functions of the organized security markets with emphasis on the individual investor. Prerequisite: FIN 333 or consent of instructor.
- 358. International Financial Markets** - Study of the operations in important debt, equity, derivative, and swap markets around the world. Focus on issues of valuation and market efficiency, with special attention on measuring and hedging foreign exchange rate risk and interest rate risk. Prerequisite: FIN 333.
- 361. Risk Management and Insurance** - Introductory course in the principles of risk management and insurance: the place of risk management and insurance in the economy, the theory and principles of risk management and insurance, and comprehensive coverage of all lines of insurance.
- 366. Real Estate Law** - See BLW 366.
- 367. Real Estate Financing** - Financing of commercial and residential real estate with emphasis on the principles of mortgage and equity financing. Prerequisites: FIN 333 and 265 or consent of instructor.

- 370. Financial Institutions** - Thorough study of financial institutions in terms of their characteristics, roles, functions, operations and importance. Prerequisite: FIN 333.
- 373. Intermediate Financial Management** - Study of the conceptual and analytical framework guiding the investment, financing, and dividend decisions of the firm. Prerequisite: FIN 333.
- 401. Financial Statement Analysis** - Current topics in financial analysis. Analytical approach to financial statements with integration of finance and accounting concepts and principles. Prerequisite: FIN 333.
- 410. Speculative Markets** - Study of evolution of financial futures and options with emphasis on strategies and applications. Prerequisite: FIN 333.
- 415. Personal Financial Planning** - Prepares students to assist others in their financial planning and strategies of investment and insurance. Emphasis on retirement planning and needs, risk analysis, trusts, and tax planning and shelters. Utilization of case studies. Prerequisite: FIN 269 or FIN 333 or consent of instructor.
- 433. International Financial Management** - Basic money management for a corporation which operates in the world economy—exchange rate fluctuations, arbitrage, global strategic planning from the corporate viewpoint. Prerequisite: FIN 333.
- 458. Security Analysis and Portfolio Management** - Emphasizes recent theoretical and analytical developments in security selection and portfolio management. Includes a consideration of relevant asset valuation models. Prerequisite: FIN 357.
- 471. Commercial Bank Management** - Designed to provide the student with an understanding of commercial bank operations and management. Prerequisite: FIN 370.
- 474. Financial Analysis and Policy** - Comprehensive case study of problems of financial management. Prerequisite: FIN 373.
- 475. Special Problems in Finance** - One to three semester credit hours. Individual instruction in special topics in finance. Prerequisites: Senior standing and approval of department chair.
- 485. Internship in Finance** - Supervised on-the-job training in one or more facets of the field of finance. This course cannot be used to satisfy any of the advanced finance courses required of finance majors or minors. Prerequisites: Junior standing as a major or minor in finance; overall GPA of 2.5 or better; finance GPA of 2.8 or better; and consent of department chair. Pass/fail.
- 490. Student Investment Roundtable** - Supervised application of security analysis and portfolio management skills, including research techniques, asset allocation, security selection, proxy voting, performance reporting and analysis of current topics in the field. Prerequisites: Finance major or minor, FIN 357 and consent of director of Student Roundtable and department chair.

DEPARTMENT OF GENERAL BUSINESS

Debbie D. DuFrene, Chair

McGee 229

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www.sfasu.edu/go/gen-business

Areas of Study & Degrees

- B.B.A. General Business
- Emphasis area: Cooperate Communication, Legal Studies

Minors:

- Administrative Law
- Business Communication
- General Business
- General Business Technology Applications

Faculty

Professors

Marsha L. Bayless, Timothy W. Clipson,
Debbie D. DuFrene, Betty S. Johnson

Associate Professors

J. Keaton Grubbs, Florence E. Elliott-Howard, Susan E. Jennings

Assistant Professor

S. Ann Wilson

Instructor

C. Henry Dunn

Lecturers

Judith L. Biss, Elizabeth R. Brice, Carol S. Wright

Objectives

The General Business major is ideally suited for those students who know exactly what career paths they are going to pursue after graduation and who wish to select courses that directly apply to that specific career. This major also allows students to obtain a broad-based B.B.A. degree without emphasizing any one of the functional areas of business.

Definition of Major

In addition to the foundation courses that are required for the Bachelor of Business Administration degree, the major in general business consists of:

- (a) six hours selected from ECO 331, FIN 357, 361, GBU 321, and MGT 373
- (b) six hours representing two of the following areas -
law: BLW 366, 437, 456, 468, and 478
communication: BCM 347, 447, and 450
technology: GBU 310, 440, 461, and CSC 340
- (c) nine advanced hours within the College of Business.

Areas of Emphasis

Students interested in a corporate communication emphasis should choose the

following courses in their general business major: BCM 347, 447, and 450; GBU 321; MGT 373; 3 hours from GBU 310, 440, 461, or CSC 340; and 3 hours from BLW 456, or GBU 345 or 485.

Students interested in a legal studies emphasis should choose the following courses in their general business major: 9 hours from BLW 366, 437, 468, 478, or GBU 400; 6 hours from FIN 357 or 361, GBU 321, or MGT 373; 3 hours from ACC 343, ECO 345, GBU 485, MGT 379, or MKT 425 or 357; and 3 hours from BCM 450 or GBU 440.

Definition of Minors

To further meet the specialized needs of students, the department offers minors in administrative law, business communication, general business and general business technology applications. At least nine hours of any minor (six of which must be advanced) must be completed at SFA.

A minor in administrative law consists of BLW 335, 437 and PSC 344, plus six semester hours selected from BLW 456, 468 and 478, and three semester hours selected from the following courses: PSC 301, 302, 402, 447, 448 or CJS 305. Total 18 hours with at least a 2.0 grade point average.

A minor in business communication consists of BCM 247, 347, 447, and 450, plus six semester hours selected from the following courses: COM 170, 380, MKT 352, 353, ENG 273, and 473. Total 18 hours with at least a 2.0 grade point average.

A minor in general business consists of ACC 101 or 231; GBU 147 or FIN 269; BCM 247 or BLW 330; ECO 231; and nine advanced hours from the College of Business with no more than six advanced hours from any one of the following areas: accounting, business communication, business law, computer science, economics, finance, general business, management, and marketing. No more than three hours from BLW 330 and BLW 335 will apply to the general business minor. Total 21 hours with at least a 2.0 grade point average. Students earning the B.B.A. degree are not eligible to earn the general business minor.

A minor in general business technology applications consists of BCM 347, GBU 310, 321, 440, and 461 plus six hours from CSC 102, 202, 211, 340 and 350. Total 21 hours with at least a 2.0 grade point average.

Teacher Education Programs

Students who obtain a Bachelor of Business Administration degree and also complete the courses that are necessary to teach business education in the secondary schools of Texas have a certain amount of flexibility in job choice. The business teaching certification requires the B.B.A. foundation courses and a general business major incorporating the following courses: GBU 310, 321, 440, BCM 447, BLW 437.

The Technology Applications certification requirements can also be met through the general business major. The requirement for this certification include the B.B.A. foundation courses plus the following hours: BCM 347; CSC 340.; GBU 310, 321, 440, 461, and ART 261 is also required.

These programs also require that students complete the Professional Development courses that are specified by the College of Education for teaching certification (see the *College of Education* section).

Bachelor of Business Administration - Suggested Program for General Business Majors¹

Freshman Year²

ENG 131	3	ENG 132	3
MTH 143	3	MTH 144	3
Science	4	Science	4
HIS or PSC	3	HIS or PSC	3
CSC 121	3	COM 111	3
Total Hours	<u>16</u>	Total Hours	<u>16</u>

Sophomore Year

ACC 231	3	ACC 232	3
ECO 231 or 232	3	ECO 231 or 232	3
HIS or PSC	3	HIS or PSC	3
ENG/HIS/PHI	3	MTH 220	3
BCM 247	3	ART, MUS, THR, or DAN	3
Total Hours	<u>15</u>	Total Hours	<u>15</u>

Junior Year³

GBU 325	3	FIN 333	3
BLW 335	3	MGT 371	3
MGT 370	3	Major Requirement	3
MKT 351	3	Major Requirement	3
ECO 339	3	Major Requirement/Elective	3
Total Hours	<u>15</u>	Total Hours	<u>15</u>

Senior Year

Major /Minor Requirements and Electives	14	Major/Minor Requirements and Electives	11
		MGT 463	3
Total hours	<u>14</u>	Total hours	<u>14</u>

1 A minimum of 120 hours is required for graduation.

2 For undecided business majors, GBU 147 is recommended as an elective.

3 See information at the beginning of the College of Business section regarding eligibility for upper-level business course.

Course Credit

Unless otherwise indicated, courses are three semester hours credit. Enrollment in courses numbered 300 or above requires junior standing.

Courses in Business Communication (BCM)

- 247. Business Communication (BUSI 2304)** - Application of business communication principles through creation of effective business documents and oral presentations. Includes study and application of team communication and use of technology to facilitate the communication process. Prerequisites: six hours from English 131, 132, 133, or 235 and basic keyboarding skills.
- 347. Administrative Communication** - Study of administrative communication skills with focus on written and visual communication. Incorporation of electronic presentation tools in document development. Prerequisites: BCM 247, or ENG 273; Recommended prerequisites: CSC 101 or 121.
- 447. Organizational Communication** - Study of the total organizational communication process within business organizations, including issues of organizational culture, diversity, power, leadership, conflict resolution, ethical issues, and international communication.
- 450. Executive Communication** - Study and practice in communication skills useful for today's business executive. Specific areas covered as they apply to business include interviewing, listening, meeting planning, presentations, crisis communication, and other communication topics.

Courses in Business Law (BLW)

- 330. Personal Law** - Examination of the law that defines general legal rights and responsibilities of individuals, including the law of contracts, torts, real property, employer-employee relations, consumer transactions, constitutional protections, estate planning, family relationships, and criminal liability. Course may not be used to satisfy requirements of the B.B.A. degree.
- 335. Business Law** - Examination of various legal relationships, which are significant in business including contracts, agency, torts, intellectual property, personal property, bailments, and related subjects. Prerequisite: Junior standing.
- 366. Real Estate Law** - Examination of real estate concepts including estate in land contracts, voluntary and involuntary conveyances, real estate description, liens, methods of title assurance, recording procedures, landlord-tenant law, agency law, and licensure requirements for real estate professionals. Emphasis on Texas real estate law concepts. (Same as FIN 366).
- 437. Regulation of Business by National Governments** - Legal principles involved in the regulation of international business activity by the governments of the world. Prerequisite: BLW 335.
- 456. Employment and Agency Law** - Study of the legal principles which define the relationship between employers and employees including obligations imposed by federal and Texas statutes. Prerequisite: BLW 335 or consent of department chair.
- 468. Oil and Gas Law** - Examination of the legal principles involved in oil, gas, and mineral ownership, title research, curative work, and leases. Prerequisite: BLW 335 or consent of department chair.
- 478. Environmental Regulatory Law** - Study of environmental regulation, including that directed at business activities and that intended to define the use and protection of natural resources.

Examination of both statutes and case law, providing an overview of the history and current requirements of selected environmental regulation. Prerequisite: BLW 335 or consent of department chair.

Courses in General Business (GBU)

- 147. Introduction to Business (BUSI 1301)** - Overview of basic business functions, including accounting, business law, communication, computer technology, economics, finance, marketing, and management. Not open to students with junior or senior standing in the College of Business.
- 310. Word Processing** - Comprehensive study of word processing equipment, systems, and procedures. Emphasis on word processing applications, work measurement, and comparative product evaluation. Prerequisites: CSC 121 or equivalent; keyboarding skills of at least 30 wpm.
- 321. Information Technology** - Introduction to the technology and processes used within the information processing cycle and its impact on organizational and personal productivity.
- 325. Business, Ethics, & Society** - Comprehensive study of the dynamic social, political, legal and regulatory environments within which domestic and international business must operate. Course topics are examined with emphasis on ethical business decision making and consideration of social responsibility of business.
- 345. Training and Development** - Application of theories of learning and instructional development to the education and training of employees in the organizational environment.
- 400. Negotiation and Alternate Dispute Resolution** - Study of negotiation theories and skills applicable to internal and external business transactions. Conflict analysis in domestic, international and cross-cultural settings will be addressed. Dispute resolution methods, resolution systems, social and ethical issues, and trends will be examined.
- 440. Records Management** - In-depth study of records management programs for organizations. Hands-on application with an appropriate database management software program. Prerequisite: CSC 121 or equivalent.
- 461. Information Management** - Theories, issues, and strategies related to the management of information as a corporate asset. Emphasis on strategic information planning, information access, computer-human interaction, data security, and electronic privacy.
- 470. Special Topics** - In-depth study of current interest within the disciplines offered in the Department of General Business. One to three semester hours. Can be repeated for a maximum of three credit hours. Prerequisite: junior standing.
- 475. Special Problems** - Instruction in special topics in general business. Prerequisite: Approval of department chair.
- 485. Internship in General Business** - Individually supervised internship in general business. Pass/Fail. Advanced standing as a major in general business. Consent of department chair.

DEPARTMENT OF MANAGEMENT, MARKETING, AND INTERNATIONAL BUSINESS

Joseph G. Ormsby, Chair

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Areas of Study & Degrees

- B.B.A. Management
Emphasis Areas: Human Resource Management, Operations Management, Small Business Management/Entrepreneurship
 - B.B.A. Marketing
Emphasis Areas: Marketing Promotion, Sports Marketing, Business-to-Business Marketing, Sales
 - B.B.A. International Business
- Minors:
- Management
 - Marketing
 - International Business
 - Electronic Business
 - Entrepreneurship
 - Sports Marketing

Faculty

Regents Professor

Dillard B. Tinsley

Professors

Robert A. Culpepper, Warren W. Fisher,

David E. Gundersen, Joseph G. Ormsby,

Elton L. Scifres

Associate Professors

Charlotte A. Allen, Joe K. Ballenger,

Robert Mitchell Crocker, Joyce M. Hoff-

man, Marlene C. Kahla, Larry R. O'Neal,

Philip E. Stetz

Assistant Professors

Larry H. Chasteen

Lecturers

Cathy R. Henderson, Lone B. Wittliff

Objectives

Management Curriculum

The management major is designed for students interested in developing an understanding of the nature and capabilities of human and physical resources. The study and understanding of management principles and practices will aid those who intend to enter the field professionally as administrators, executives, operations managers, human resource managers, management consultants, proprietor managers, purchasing managers, or in other management positions.

Students graduating with a management major are employed by a variety of organizations in industries such as manufacturing, public utilities, oil and transportation, merchandising, and banking, as well as government and non-profit entities. A sound background in accepted management principles can accelerate progress to positions of greater responsibility.

Marketing Curriculum

The marketing major enables students to understand the activities that are essential to promoting products and services, as well as developing and distributing them to the ultimate consumers. Marketing courses stress problem solving and decision

making, as well as the development and implementation of marketing policies and strategies.

Students completing the program find exciting, action-oriented careers in fields such as personal selling, retailing, advertising, product development, manufacturing, distribution, and market research.

International Business Curriculum

The international business major provides students with a broad-based business management education with an international perspective, focusing on a general understanding of the economic, political, historical, geographical, and cultural factors that affect international business opportunities, strategies, policies, and practices. The interdisciplinary curriculum is designed to cover the international business environment so that its effects on business opportunities and problems are clearly understood.

The international business major prepares students for a variety of entry-level positions with business and government. Students find career opportunities with business firms involved with international trade or with controlling interests in foreign production and marketing facilities. Various governmental agencies—state, national, and international—also offer numerous career opportunities for the major.

Electronic Business Curriculum

“Electronic business” (e-business) is the term commonly used to describe the use of the Internet and other digital technology for conducting business, including advertising, organizational communication, control/coordination, training, management, etc. E-business activities involving buying and selling goods or services are often referred to as “electronic commerce” (e-commerce). The electronic business minor provides preparation for the student who desires to be actively engaged in the e-business operations of a firm, including being knowledgeable about e-business technology and how it relates to management strategies and issues.

Students completing the electronic business minor can find positions in all types of public and private organizations, including “virtual” companies that conduct essentially all of their business by electronic means.

Entrepreneurship Curriculum

Entrepreneurship may be defined as the “pursuit of opportunity” and is often manifested in either a new business startup or a value-creating expansion within an ongoing enterprise. This entrepreneurial spirit is universal and is impervious to age, gender or social/economic background. It has been the engine of job creation, innovation and the creation of new industries within the U.S. for decades. To fully understand the risks and rewards of an entrepreneurial endeavor, students in this discipline learn how to evaluate the degree to which an idea is an opportunity. The dynamics, paradoxes, myths, and critical aspects surrounding this process also are studied.

The minor in entrepreneurship provides students with a basis of knowledge that will improve their understanding of entrepreneurial processes. The major in management with an emphasis in small business management/entrepreneurship provides similar preparation but with a stronger emphasis on building general management skills and critical thinking processes.

Most degree programs prepare students for success in given disciplines. In contrast, students completing the entrepreneurship minor or the management major with small business management/entrepreneurship emphasis are prepared to evaluate an idea, structure a top management team, and marshal resources in the pursuit of opportunity.

Sports Marketing Curriculum

The minor in sports marketing and the emphasis in sports marketing within the marketing major provide students with an overview of marketing concepts, theories and practices in relation to the sports industry. Specific coverage of sports marketing topics is included along with general marketing concepts that are of use to sports marketers. The program also covers business and marketing strategies in the context of sports, the growing emphasis on the globalization of sports marketing, current research in sports marketing and ethical issues in sports marketing.

Students completing the sports marketing minor or the emphasis in sports marketing within the marketing major can find sports-related jobs in marketing, entrepreneurship, administration, representation and media.

Definitions of Majors and Minors

Management Major

Students seeking a major in management must qualify for a Bachelor of Business Administration degree. In addition to the core curriculum, business field of study, and business foundation requirements for the Bachelor of Business Administration degree, the student must complete MGT 422 and 472; three to seven hours from MGT 380, PSY 330, SOC 378, STA 320, or ACC 333; and nine to 12 additional advanced semester hours in management (neither MGT 395 nor 477 may count toward this requirement). Total 21-22 hours with a minimum 2.0 grade point average in all courses in the major including MGT 370, 371, and 463. At least 12 hours of advanced course work in the major must be completed at SFA.*

Students interested in **human resource management** should complete MGT 373, 379, 422, 472, 484, three to four hours from MGT 380, PSY 330, SOC 378, STA 320, or ACC 333, and three additional advanced semester hours in management (neither MGT 395 nor 477 may count toward this requirement).

Students interested in **operations management** should complete MGT 380, 422, 472, ACC 333, and nine hours from MGT 372, 379, 383, or 471.

Students interested in **small business management/entrepreneurship** should complete MGT 422, 472; three to four hours from PSY 330 or SOC 378; six to nine hours from MGT 390, 464, or 485; and three to six hours of additional advanced semester hours in management (neither MGT 395 nor 477 may count toward this requirement). Students are encouraged to complete a Management Internship (MGT 476) or a Special Problems in Management course (MGT 475) in entrepreneurship/small business as part of the elective portion of this emphasis.

Management Minor

For a student pursuing a Bachelor of Business Administration degree, a minor in management consists of MGT 370, 371, 463, and nine additional advanced semester hours in management. Students outside the College of Business who desire a minor in management should take MGT 370 and 15 additional advanced

semester hours in management. MGT 395 and 477 may not count toward a minor in management. Total 18 hours with a minimum 2.0 grade point average. At least nine hours must be completed at SFA.

Marketing

Students seeking a major in marketing must qualify for a Bachelor of Business Administration degree. In addition to the core curriculum, business field of study, and business foundation, a major in marketing consists of MKT 355, 425, 452, 455, 457, and nine additional advanced semester hours in marketing. (MGT 383 may be used for three of the nine elective hours.) Total 24 hours with a minimum 2.0 grade point average in marketing courses including MKT 351 and a grade of C or better in MKT 351.

At least 12 hours of advanced course work in the major must be completed at SFA.*

Students interested in marketing promotion should complete MKT 352, 353, 355, 425, 452, 455, 457, and 360.

Students interested in sports marketing should complete MKT 355, 358, 425, 452, 455, and 457; three hours from MKT 352 or 360; and three hours in a sports marketing special problems course (MKT 475) or in a sports marketing internship (MKT 486).

Students interested in business-to-business marketing should complete MKT 355, 425, 452, 454, 455, 457; and six hours from MKT 353, 475, 486, or MKT 383.

Students interested in sales should complete MKT 353, 355, 425, 452, 455, 456, 457; and three hours from MKT 354, 454, 475, or 486.

Marketing Minor

A minor in marketing consists of MKT 351 and 15 hours of other marketing courses numbered 300 and above (MGT 383 may not count toward the marketing minor). Total 18 hours with a minimum 2.0 grade point average and a grade of C or better in MKT 351. At least nine hours must be completed at SFA.

International Business Major

Students seeking a major in international business must qualify for a Bachelor of Business Administration degree. In addition to the Core Curriculum, Business Field of Study, and Business Foundation requirements, the student must complete the following four sets of requirements:

Part A - Foundation Courses for the Major: GEO 230, MGT 422, MKT 452, PSC 332 and three hours from ECO 480, FIN 358, or FIN 433.

Part B - Specialized Region/Country Courses: a total of six hours selected from GEO 310, 365, 450, HIS 312, 313, 320, 332, 333, 342, 352, 412, 413, 416, 461, LAS 300, 450, or PSC 304.

Part C - Cultural and General International Topics: three hours from ANT 231, BLW 437, HIS 303, 321, HMS 230, 403, PSC 338, 441 or SPA 320.

Part D - Language Requirement: three hours of college credit in a foreign language (a spoken and written language other than English) at a level equivalent to SPA 232 or SPA 235 or higher.

A Special Problems course (ACC 475, ECO 475, FIN 475, GBU 475, MGT 475, MKT 475, etc.) or internship course (ACC 485, ECO 485, FIN 485, GBU

485, MGT 476, MKT 486, etc.) may be counted toward part C of the international business major if the course is "international" in nature (conducted at least partly overseas or at least partly dealing with international business) and is approved by the chair, Department of Management, Marketing, and International Business.

Texas students who have completed the B.B.A. field of study at another Texas institution are not required to complete GEO 230 but are encouraged to do so. Total 27 hours with a minimum 2.0 grade point average. At least 12 hours of advanced course work in the major must be completed at SFA.

International Business Minor

Students seeking a minor in international business must complete MGT 422; MKT 452; three hours from ECO 480, FIN 358, or FIN 433; three hours from PSC 304, 338, 332, or 441; and six to eight hours of college credit in the same foreign language (must be a spoken and written language other than English). Students with a major in management or marketing will substitute an approved elective for MGT 422 or MKT 452 as applicable. Total 18-20 hours with a minimum 2.0 grade point average. At least nine hours (six of which must be advanced) must be completed at SFA.

Electronic Business Minor

The electronic business (e-business) minor is available to any student who meets the course prerequisites. The minor consists of MGT 370 and 472; MKT 351 and 425; CSC 340 and 350; and GBU 461. Total 21 hours with a minimum 2.0 grade point average. At least nine hours must be completed at SFA.

Entrepreneurship Minor

For students pursuing a Bachelor of Business Administration (B.B.A.) degree, a minor in entrepreneurship consists of: MGT 370, MGT 371, MGT 463, MKT 351, and nine additional advanced semester hours in management including at least six hours from MGT 390, MGT 464, or MGT 485. Total 21 hours with a minimum 2.0 grade point average. At least nine hours must be completed at SFA.

For non-B.B.A. students, a minor in entrepreneurship consists of: MGT 370; MKT 351; ACC 231 or ACC 101; and nine additional advanced semester hours in management including at least six hours from MGT 390, MGT 464, or MGT 485. Total 18 hours with a minimum 2.0 grade point average. At least nine hours (six of which must be advanced) must be completed at SFA.

Sports Marketing Minor

Students seeking a minor in sports marketing must complete MKT 351, 352, 358 and 360; three hours in a sports marketing special problems course (MKT 475) or in a sports marketing internship (MKT 486); and ECO 359. Total 18 hours with a minimum 2.0 GPA average and a grade of C or better in MKT 351. At least nine hours must be completed at SFA.

**See degree requirements near the beginning of the College of Business section for core curriculum, business field of study, business foundation and other requirements.*

Bachelor Of Business Administration (B.B.A.)

Course Sequence for Management/Marketing Major

Freshman Year

ENG 131	3	ENG 132	3
MTH 143	3	MTH 144	3
Science	4	Science	4
HIS or PSC	3	HIS or PSC	3
COM 111	3	CSC 121	3
	<u>16</u>		<u>16</u>

Sophomore Year

ACC 231	3	ACC 232	3
ECO 231	3	ECO 232	3
BCM 247	3	ART, MUS, THR, DAN	3
HIS or PSC	3	HIS or PSC	3
MTH 220	3	ENG LIT, PHI, HIS	3
	<u>15</u>		<u>15</u>

Junior Year

BLW 335	3	FIN 333	3
MGT 370	3	ECO 339	3
MKT 351	3	Major Requirement	3
MGT 371	3	Major Requirement	3
GBU 325	3	Elective	3
	<u>15</u>		<u>15</u>

Senior Year

Major Requirement	3	Major Requirement	3
Major Requirement	3	Major Requirement	3
Major Requirement	3	MGT 463	3
Elective/Major Requirement**	3	Elective	2
Electives	2	Elective	3
	<u>14</u>		<u>14</u>

Minimum total hours: 120

***The Marketing major requires 24 hours, whereas the Management major only requires 21 hours; therefore, Management majors can take 13 hours of electives and Marketing majors can take only 10 hours of electives.*

Bachelor Of Business Administration (B.B.A.)

Course Sequence for International Business Major

Freshman Year

ENG 131	3	ENG 132	3
MTH 143	3	MTH 144	3
Science	4	Science	4
HIS or PSC	3	HIS or PSC	3
COM 111	3	CSC 121	3
	<u>16</u>		<u>16</u>

Sophomore Year

ACC 231	3	ACC 232	3
ECO 231	3	ECO 232	3
BCM 247	3	ART, MUS, THR, DAN	3
HIS or PSC	3	HIS or PSC	3
MTH 220	3	ENG LIT, PHI, HIS	3
FRE 232/SPA 232	3		
	<u>18</u>		<u>15</u>

Junior Year

ECO 339	3	FIN 333	3
MGT 370	3	BLW 335	3
MKT 351	3	GBU 325	3
MGT 371	3	Major Requirement	3
Major Requirement	3	Major Requirement	3
	<u>15</u>		<u>15</u>

Senior Year

Major Requirement	3	Major Requirement	3
Major Requirement	3	Major Requirement	3
Major Requirement	3	Elective	3
Elective	3	MGT 463	3
Elective	1		
	<u>13</u>		<u>12</u>

Minimum total hours: 120

**This course sequence assumes the student has taken sufficient language courses in high school to test out of FRE 131, 132, 231 or SPA 131, 132, 231. If a student must take the 131, 132, 231 courses, then elective hours will be adjusted accordingly.*

Course Credit

Unless otherwise indicated, courses are three semester hours credit.

Courses in Management (MGT)

See information at the beginning of the College of Business section regarding eligibility for upper-level courses.

- 370. Management Principles** - Management philosophy; functions of management; behavioral approaches to management, including the impact of demographic diversity on organizations. Presentation of management as a discipline and as a process. Prerequisite: Junior standing.
- 371. Operations Management** - Concepts and techniques in management of productive activity in service systems and in manufacturing systems. Prerequisites: MTH 220 or equivalent and junior standing.
- 372. Supply Chain Management** - Overview of supply chain management, a total systems approach to managing the entire flow of information, materials and services from raw materials through suppliers, operations, factories, warehouses, and distribution to the end customers. Prerequisites: MGT 370 and 371 (371 may be taken concurrently).
- 373. Human Resource Management** - Introduction to human resource management; employment, placement, and human resource planning; training and development; compensation and benefits; employee and labor relations; health, safety, and security; human resource research. Prerequisite: Junior standing.
- 377. Organizational Behavior** - Study of human behavior in organizational settings; the interface between human behavior and the organization; structure and process of the organization itself. Prerequisite: MGT 370.
- 379. Employee and Labor Relations** - Employee-employer relationships in non-unionized and unionized settings; problems and theories of union organizing, collective bargaining, and contract administration. Prerequisite: MGT 370.
- 380. Quantitative Management Methods** - Introduction to quantitative techniques for decision making, including linear programming, goal programming, integer programming, non-linear programming, transportation, assignment method programming, and network flow models. Prerequisite: MGT 371.
- 383. Purchasing and Materials Management** - Purchasing function and its integration as a subsystem into material planning, procurement, movement, and storage activities within an organization. Includes purchasing management, purchasing policy and procedures, and material and logistic system components. Prerequisite: Junior standing.
- 390. Principles of Entrepreneurship** - Study of special circumstances surrounding starting and managing a small business. Special emphasis on service and retailing as well as small-scale manufacturing operations.
- 395. Career Planning** - One semester hour. Preparation for job search; interviewing techniques; development of resumes and letters of application; career planning. Pass/fail. (May not be used to fulfill major or minor requirements in management.)

- 422. International Management** - Management processes and practices in international business operations. Examination of managerial functions, such as planning, organizing, communicating, staffing, motivating and controlling, in terms of the international business environment. Prerequisites: MGT 370 and senior standing.
- 461. Supervisory Management** - Techniques involved in supervision; cases in handling morale, discipline, communication, grievances, and other phases of employee and labor relations. Prerequisites: MGT 370 and senior standing.
- 463. Business Policy and Strategy** - Formulation and implementation of strategy in the organization, emphasizing the integration of decisions in functional areas. Prerequisites: Completion of all junior level business foundation courses.
- 464. Entrepreneurial Field Studies** - Student teams, drawing from basic concepts developed in class and lectures, act as consultants to entrepreneurial firms facing problems associated with growth or the pursuit of opportunity. Prerequisites: ACC 231, and CSC 121; MGT 370, MKT 351.
- 470. Topics in Management** - In-depth study of selected topics in management. Titles and topics will vary. Prerequisite: MGT 370 or consent of instructor. May be repeated with a change of topic up to a maximum of three hours total credit.
- 471. Services Management** - Concepts and issues in the management of services. Prerequisites: MGT 371 and senior standing.
- 472. Management Information Systems** - Overview of organizational and technological issues involved in information systems from a management perspective. Prerequisites: MGT 371, CSC 121, and senior standing. MGT 371 may be taken concurrently.
- 475. Special Problems in Management** - One to three semester hours. Individual instruction in management. Prerequisites: Senior standing, 1.5 hours of management, and approval of supervising instructor and department chair.
- 476. Internship in Management** - One to three semester hours. Supervised on-the-job application of management skills. Prerequisites: Junior standing as a major or minor in management or international business; GPA 2.5 overall and 2.5 in management; sufficient course work to address internship requirements as determined by supervising instructor; and consent of department chair and supervising instructor.
- 477. Current Business Topics** - One semester hour. Specialized course designed to provide students with the opportunity to meet and discuss business topics with executives from various industries and companies. Executives will address key business management issues from their unique positional and organizational perspectives. Prerequisite: Senior standing. Pass/fail. (May not be used to fulfill major or minor requirements in management.)
- 484. Compensation and Benefits** - Wage and salary administration in private and public organizations; total compensation systems; interrelationships among employee performance, intrinsic and extrinsic rewards, perceived equitable payments, and employee satisfaction; employee benefits; employee incentive programs. Prerequisites: MGT 373 and senior standing.

485. **Entrepreneurship: Opportunity Assessment** - An extension and application of the skills and knowledge developed in MGT 390, including preparation of a feasibility study for a new or substantially changed business. Prerequisite: MGT 390 or consent of instructor.

Courses in Marketing (MKT)

See information at the beginning of the College of Business section regarding eligibility for upper-level business courses.

351. **Principles of Marketing** - Basic marketing processes and concepts; functions; institutions; environment; techniques and factors in marketing management. Prerequisite: Junior standing.
352. **Advertising and Promotion** - Introduction to theory and practice of advertising and promotion. Prerequisite: Junior standing.
353. **Personal Selling** - Sales theory, techniques, strategy, and salesperson characteristics. Prerequisite: Junior standing.
354. **Retailing** - Retail marketing institutions and their operations. Prerequisite: MKT 351.
355. **Consumer Behavior** - Behavior of consumer and influences on buyer behavior; consumption patterns; implications for marketing research and decisions. Prerequisite: MKT 351.
357. **Distribution Channels** - Comprehensive study of marketing distribution channels, including historical development, economic justification, design, selection, and management. Prerequisite: MKT 351.
358. **Sports Marketing** - Marketing concepts, theories and practices in the sports industry. Topics include the unique qualities of the sports industry in relation to business and marketing strategy including product, promotion, pricing and distribution practices of sports marketing. Prerequisite: MKT 351.
360. **Marketing of Services** - Examination of the unique aspects of service organizations within the field of marketing. Prerequisite: MKT 351.
425. **Systems and Internet Marketing** - An integrative overview of marketing information systems and internet marketing with an emphasis on major strategic opportunities, issues and problems. Covers the use of information systems and technology to interact, collaborate, and transact business with the company's customers, employees, suppliers, partners, and society. Prerequisites: CSC 121, MGT 370, and MKT 351.
452. **International Marketing** - International marketing decisions, based on cultural, social, political, legal, and economic factors. Prerequisite: MKT 351.
454. **Business-to-Business Marketing** - Comprehensive study of the nature and scope of industrial or business-to-business markets: product management, pricing, promotion, and distribution. Also covers assessing industrial marketing opportunities and industrial competitive strategies. Prerequisite: MKT 351.
455. **Marketing Research** - Current research techniques to obtain marketing information for effective business decisions. Prerequisites: MKT 351 with a grade of C or better, CSC 121, and MTH 220.
456. **Sales Management** - Management of field sales personnel, including motivation, sales territories, and administrative functions. Prerequisite: MKT 351.

- 457. Strategic Marketing** - Strategy, concepts, and techniques in the total business organization with emphasis on marketing planning and decision-making. Prerequisites: MKT 351, 355, and 452.
- 470. Topics in Marketing** - In-depth study of selected topics in marketing. Titles and topics will vary. Prerequisite: MKT 351 or consent of instructor. May be repeated with a change of topic up to a maximum of three hours total credit.
- 475. Special Problems in Marketing** - One to three semester hours. Individual instruction in marketing. Prerequisites: Senior standing, 15 hours of marketing, and approval of supervising instructor and department chair.
- 486. Internship in Marketing** - One to three semester hours. Supervised on-the-job application of marketing skills. Prerequisites: Junior standing as a major or minor in marketing or international business; GPA 2.5 overall and 2.5 in marketing; sufficient course work to address internship requirements as determined by supervising instructor; and consent of supervising instructor and department chair.

