

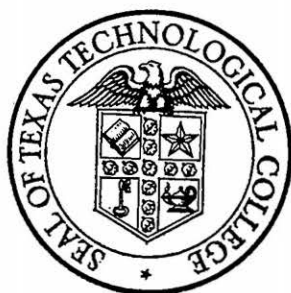
BULLETIN
of
TEXAS TECHNOLOGICAL COLLEGE

VOL. XXXVII

APRIL, 1961

NO. 4

THIRTY-SIXTH
ANNUAL BULLETIN
GENERAL INFORMATION



Issued in January, February, March, April, May, June, August, October and December of each year by the College. Second-class postage paid at Lubbock, Texas.

CALENDAR

1961

JANUARY							FEBRUARY							MARCH							APRIL						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
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1962

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DECEMBER

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THIS IS TEXAS TECH

"In the American concept, a college must have students. Our student body is growing not only in size but in maturity. Although we expect them to be but boys and girls in some ways, it is encouraging to note that our students are assuming greater responsibility in their own government, in their publications, and in student life in general. Though some of this may be due to the more serious nature of the times, I believe it is also due to the realization on their part that they have a definite contribution to make in the advancement of a college. I further believe that if this realization is properly encouraged, no group will respond more readily to the challenge facing us."

This statement was made by Dr. Robert Cabaniss Goodwin on the occasion of his inauguration as seventh president* of Texas Technological College (Dec. 9, 1960).

"Young as this College is," he said, "its graduates have contributed much to the agricultural, the business, and the professional development of Texas and the United States. Over 22,000 of our graduates are scattered all over the world, each of them doing his share in promoting a better and fuller life in his community — a reflection, we hope, of his training here. Much of the future of this College lies with these alumni and ex-students. They are just now reaching an age and number where their influence can, and I am sure will, be felt in the achievement of our objectives."

* * *

"And we do have a job to do. We must more definitely determine the place this College should occupy in the system of higher education in Texas and then, with the aid of the

many friends of the College, we must achieve that position — and certainly this position cannot be a mediocre one. The sons and daughters who come to Tech, as well as their parents, have every right to expect educational opportunities of high quality. That must be our goal."

These statements blueprint the future for Texas Tech in particular. Add to them the definition of a university given by the inauguration speaker, Dr. Herman E. Spivey, vice president of the University of Tennessee, and you have a pattern of expectation for the year at Texas Tech:

"A good university is an environment for the development of intellects and character, a community of very active minds in which ideas are forever emerging and being interrelated, a context successfully influencing the acquisition of certain habits and attitudes conducive to the lifelong desire and capacity of most of the students for continuing their intellectual growth. A university which has attained this condition, one in which these are the things most emphasized by students and faculty and the supporting public, is probably equal to the needs of tomorrow."

"To attain this ideal in the United States is a big order, for education in America involves more people over more years than education in any other country in the world. No other nation has ever attempted to educate all her people to the limit of their capability. The United States is attempting to do this at a time when the extent of things and skills to be learned is infinitely more complex than used to be the condition, and things are growing more complicated at an accelerating rate. Education on all levels has responsibilities equal to

*President Paul Whitfield Horn (1925-1932) was followed by Bradford Knapp (1932-1938), Clifford B. Jones (1938-1944, President Emeritus 1944-), William Marvin Whyburn (1944-1948), Dossie M. Wiggins (1948-1952), and Edward Newlon Jones (1952-1959). Dr. R. C. Goodwin was appointed acting president effective Sept. 1, 1959.

the growing danger threatening the free world."

Texas Tech is now conducting a self-study to re-assess its objectives as to: organization; educational program, both graduate and undergraduate; library; faculty; student personnel; research; and special activities.

The College was created by an act of the Thirty-Eighth Legislature of the State of Texas passed in 1923 (see Appendix A).

It is governed by a board of nine directors appointed by the Governor and approved by the Senate for terms of six years. The immediate regulations and direction of academic affairs are delegated by the Board of Directors to the President, administrative officers, and faculty.

During the first year of the new college only freshmen and sophomores were admitted. A total of 914 students registered during the fall term of 1925, 730 of them freshmen and 184 sophomores; 642 were men and 272 were women. Enrollment for the 1960-1961 long session has been 10,297, including 3,355 freshmen, 2,234 sophomores, 1,997 juniors, 1,928 seniors, and 783 graduate students. The ratio is still preponderantly masculine, with 6,986 men and 3,311 women students.

Physical resources when the College opened in the fall of 1925 included the first units of the Administration and Home Economics Buildings, the Textile Engineering Building, Stock Judging Pavilion, Dairy Barn, and President's Residence. To-

tal value of the college plant in 1926 was \$1,424,000.

Today it is valued at \$36,651,132. A total of 175 buildings, 72 of them considered permanent, are spaced over 1,844 acres that now comprise the campus and college farm. The College also operates the 5,800-acre PanTech Farm near Amarillo.

Texas Tech's geographical location has had a bearing on its history. It is located on the South Plains in West Texas at an elevation of 3,256 feet above sea level. The growth of the College has been paralleled by that of the city in which it stands. In 1925, Lubbock's population was 10,000. The 1960 census figure was 128,691. Recognized as the dominant city in a 65,000-square mile area, Lubbock has a population that is predominantly young.

President Goodwin says:

"Among this College's greatest assets are its friends. The citizens of Lubbock, when acting as individuals or in some official capacity, have been most generous in their support since that early day when the then small town of Lubbock pledged this 2,008 acres for a campus for the then non-existent Texas Technological College. When difficulties arise or when help is needed, the College can always turn to Lubbock for sympathetic advice or practical assistance. Nor is this friendship limited to Lubbock. Particularly on the South Plains, but more and more throughout Texas, our circle of friends is constantly enlarging. We covet their good wishes and support."

COLLEGE CALENDAR, 1961-1962

THIRTY-SIXTH ANNUAL SESSION

SUMMER SESSION 1961

FIRST TERM

1961

- June 1. Thursday. 2 P.M., residence halls open for occupancy.
- June 2. Friday. Summer session begins. 8 A.M.-12 Noon, 1:30-5 P.M., registration. 1 P.M., entering freshmen assemble in C101.
- June 3. Saturday. 8 A.M.-12 Noon, registration.
- June 5. Monday. 7:20 A.M., classes begin.
- June 6. Tuesday. Last day to register for first term. Last day to change schedules.
- June 19. Monday. Grade of "W" will be given for courses dropped on or before this date.
- June 24. Saturday. Day of instruction for all classes.
- July 4. Tuesday. American Independence Day. College holiday.
- July 5. Wednesday. 7:20 A.M., classes resume. Last day to file at Placement Office Personnel Information Forms and photographs by students planning to graduate in August. Last day for first-term students to pay \$5 graduation fee at Business Office. Last day to secure refund of \$5 graduation fee by those who have previously deposited same and have canceled plans to graduate in August. Last day to file with student's academic dean the statement of intention to graduate in August.
- July 7. Friday. Deans will submit tentative lists of all degree candidates to Registrar's Office.
- July 13-14. Thursday-Friday. Final examinations.
- July 14. Friday. First term ends.

SECOND TERM

- July 16. Sunday. 12 Noon, residence halls open to new occupants.
- July 17. Monday. Second term begins. 8 A.M., entering freshmen assemble in C101. 8 A.M.-12 Noon, 1:30-5 P.M., registration.
- July 18. Tuesday. 7:20 A.M., classes begin. Last day to order senior invitations and academic regalia for August graduation.
- July 19. Wednesday. Last day to register for second term. Last day to change schedules.
- July 29. Saturday. Day of instruction for all classes.
- Aug. 1. Tuesday. The grade of "W" will be given for courses dropped on or before this date. Last day to pay \$5 graduation fee for students enrolled in second term only.
- Aug. 12. Saturday. Day of instruction for all classes.
- Aug. 16. Wednesday. Last day to submit to Graduate Dean the final draft of theses and dissertations, and to pay binding fee. Last day to complete work for removal of grades of "Inc." and "Pr." for degree candidates. Last day to complete correspondence courses; instructors will file grades by August

18. Last day to submit requests for graduation in **absentia**. Last day for graduate students enrolled in second term only to file in Placement Office the Personnel Information Forms and photographs. Last day to drop a course.

Aug. 23-24. Wednesday - Thursday. Final examinations. Residence hall dining rooms close with serving of evening meal.

Aug. 25. Friday. 10 A.M., grades and absence reports for degree candidates due at Registrar's Office. 3 P.M., each academic dean will send to Registrar's Office the

final and official list of graduates in his school.

Aug. 26. Saturday. 8:30 A.M., rehearsal for Commencement, all August graduates. By 12 Noon, degree candidates obtain academic regalia at College Bookstore. President's reception for graduating seniors. 7:15 P.M., Commencement exercises. Summer session ends.

Aug. 27. Sunday. 10 A.M., residence halls close.

Aug. 28. Monday. 12 Noon, grades and absence reports on all students due at Registrar's Office.

LONG SESSION, 1961-1962

THIRTY-SEVENTH ANNUAL SESSION

FALL SEMESTER

1961

Sept. 8. Friday. 10 A.M., general faculty meeting, Student Union Ballroom. 2 P.M., school faculty meetings.

Sept. 10. Sunday. 12 Noon, residence halls open for occupancy. First meal breakfast, Monday, Sept. 11.

Sept. 11. Monday. Fall semester begins. 8 A.M., all entering freshmen who have not been tested assemble on Administration Building Green.

Sept. 12. Tuesday. 8 A.M., all entering freshmen and other undergraduate students entering Texas Tech for the first time assemble on Administration Building Green for orientation and counseling.

Sept. 13-16. Wednesday - Saturday Noon. Registration for fall semester. Wednesday-Thursday, 5-7 P.M., Saturday A.M., evening program registration.

Sept. 18. Monday. 8 A.M., classes begin.

Sept. 21. Thursday. 8 A.M.-12 Noon; 1:30-4 P.M., only day to change schedules. Last day to complete

registration. Registration is not complete until fees are paid.

Sept. 27. Wednesday. 10 A.M.-12 Noon, student convocation; President's address to the student body and election of class officers for the year. Classes dismissed 10 A.M.-12 Noon.

Oct. 2-4. Monday-Wednesday. Period for filing Personnel Information Forms and photographs by degree candidates (January, May, and August) at Placement Office.

Oct. 14. Saturday. Grade of "W" will be given for courses officially dropped on or before this date.

Nov. 6. Monday. 5 P.M., mid-semester reports due at the Registrar's Office.

Nov. 9. Thursday. Last day to file Personnel Information Forms and photographs at the Placement Office by students planning to complete their degree work in January.

Nov. 22. Wednesday. 10 P.M., classes dismissed for Thanksgiving holidays.

REGISTRATION CALENDAR FOR THE FALL SEMESTER 1961

Wednesday, Sept. 13

Day Registration 8 A.M. to 12 Noon and 1:30 to 5 P.M.

Evening Program Registration 5 to 7 P.M.

Thursday, Sept. 14

Day Registration 8 A.M. to 12 Noon

Evening Program Registration 5 to 7 P.M.

Friday, Sept. 15

Day Registration 8 A.M. to 12 Noon and 1:30 to 5 P.M.

Saturday, Sept. 16 8 A.M. to 12 Noon

Registration is not complete until fees are paid.

Nov. 27. Monday. 8 A.M., classes resume.

Dec. 21. Thursday. 10 P.M., classes dismissed for Christmas holidays.

1962

Jan. 3. Wednesday. 8 A.M., classes resume.

Jan. 20. Saturday. Fall semester ends.

Jan. 5. Friday. Last day to drop a course.

Jan. 21. Sunday. Students without room reservations for spring semester must vacate residence hall rooms not later than 12 Noon.

Jan. 7-12. Sunday-Friday. Period of restricted social activities.

Jan. 13-20. Saturday-Saturday. Final examinations for fall semester.

SPRING SEMESTER**1962**

Jan. 22. Monday. 12 Noon, residence halls open to new occupants.

Thursday and Friday, Saturday A.M., evening program registration.

Jan. 23. Tuesday. Spring semester begins. 8 A.M., entering freshmen and transfer students assemble in C101.

Jan. 29. Monday. 8 A.M., classes begin.

Jan. 24. Wednesday. 8 A.M., all grades and absence reports for fall semester due in Registrar's Office.

Feb. 1. Thursday. 8 A.M.-12 Noon; 1:30-4 P.M., only day to change schedules. Last day to complete registration and pay fees.

Jan. 25-27. Thursday - Saturday Noon. Registration. 5-7 P.M.,

Feb. 12-14. Monday - Wednesday. Period for filing Personnel Information Forms and photographs by

REGISTRATION CALENDAR FOR THE SPRING SEMESTER 1962**Thursday, Jan. 25**

Day Registration 8 A.M. to 12 Noon and 1:30 to 5 P.M.

Evening Program Registration 5 to 7 P.M.

Friday, Jan. 26

Day Registration 8 A.M. to 12 Noon and 1:30 to 5 P.M.

Evening Program Registration 5 to 7 P.M.

Saturday, Jan. 27 8 A.M. to 12 Noon

Registration is not complete until fees are paid.

degree candidates (May and August) at the Placement Office.

Feb. 27. Tuesday. The grade of "W" will be given for courses dropped on or before this date.

Mar. 8. Thursday. Last day to file Personnel Information Forms and photographs at the Placement Office by students planning to take degrees in May. Last day to file with student's academic dean the statement of intention to graduate on May 28, 1962.

Mar. 19. Monday. 5 P.M., mid-semester reports due in Registrar's Office.

Mar. 23. Friday. Last day to pay \$5 graduation fee. Last day to obtain refund of \$5 graduation fee by students who cannot graduate on May 28, 1962. A student who cannot must notify his academic dean in writing.

Mar. 24. Saturday. Last day to place orders at the College Bookstore for academic regalia for May degree candidates.

Mar. 25 - Apr. 1. Sunday - Sunday. Classes dismissed for spring holidays.

Apr. 2. Monday. 8 A.M., classes resume.

Apr. 18. Wednesday. Last day for May degree candidates to complete correspondence courses. Correspondence students must complete final examinations in time for instructors to receive examinations by April 23. Instructors will file grades on correspondence courses by May 2. Last day to submit to academic dean a request to graduate in **absentia** and pay **absentia** fee. Last day for degree candidates to remove grades of "Inc." and "Pr." Instructors are to send change-of-grade card to office of student's academic dean as soon as work has been completed.

May 8. Tuesday. Last day to drop a course.

May 9-15. Wednesday-Tuesday. Period of restricted social activities.

May 16 - 23. Wednesday - Wednesday. Final examinations for spring semester.

May 18. Friday. Last day to submit to the Graduate Dean the final draft of theses and dissertations and to pay the binding fee.

May 23. Wednesday. Residence hall dining rooms close with serving of evening meal.

May 24. Thursday. 10 A.M., residence halls close. Degree candi-

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- dates may occupy rooms until 10 A.M., Tuesday, May 29. 2 P.M., grades and absence reports through Wednesday, May 23, for degree candidates due in Registrar's Office.
- May 25. Friday. 3 P.M., final and official graduation lists due in Registrar's Office.
- May 26. Saturday. Academic regalia to be picked up at the College Bookstore by degree candidates by 12 Noon.
- May 27. Sunday. 8:30 A.M., graduation rehearsal. President's reception for graduating students. 8 P.M., Baccalaureate sermon.
- May 28. Monday. 8 P.M., Commencement. Spring semester ends.
- May 30. Wednesday. 11 A.M., all grades and absence reports for spring semester due in Registrar's Office.

SUMMER SESSION 1962

FIRST TERM

1962

- May 31. Thursday. 2 P.M., residence halls open for occupancy. First meal breakfast, Friday, June 1.
- June 1. Friday. First term begins. 8 A.M., entering freshmen assemble in C101. 8 A.M.-12 Noon; 1-30-5 P.M., registration.
- June 2. Saturday. 8 A.M.-12 Noon, registration.
- June 4. Monday. Classes begin.
- July 4. Wednesday. American Independence Day — College holiday.
- July 14. Saturday. First term ends.

SECOND TERM

- July 16. Monday. Second term begins. 8 A.M., entering freshmen assemble in C101.
- July 17. Tuesday. 8 A.M.-12 Noon; 1:30-5 P.M., registration.
- July 18. Wednesday. Classes begin.
- Aug. 25. Saturday. Summer session ends. Commencement.

FALL SEMESTER, 1962

- Sept. 17. Monday. Fall semester begins.

STUDENT SERVICES

Testing and Counseling Center

The Testing and Counseling Center has been established to aid the student in deciding on a major or an occupational objective, and in meeting problems of a personal nature.

All students are handled on an individual basis in the strictest confidence. Typical procedure includes one or more interviews, in order to acquaint the student with the testing and counseling process and to obtain data for analyzing his background in general. Standard tests are ordinarily then administered at the student's convenience. The average test battery requires a minimum of 10 hours. Following this, an appointment is made for the student to be counseled in terms of general background and test results.

The first part of the educational-vocational counseling process is primarily an assessment or evaluation of the **student**. The second part of the procedure consists of tasks involving the securing of dependable and valid information concerning fields of work and/or specific occupations pointed out by the interest inventories, as well as those for which the student thinks he might be suited. Hence, the second part of the process consists of an assessment or evaluation of **occupations**. This part of the process may require a number of hours. The time required varies with the student's knowledge of occupations. A third conference is ordinarily scheduled; however, this depends on whether the student feels that he needs help in interpreting and analyzing occupational as well as educational or academic information.

Thus, there is more to the solution of the problem of selecting a major or one's occupation than the taking of a few tests.

The tests and inventories used are

selected to fit the needs of the individual, but usually cover the areas of general ability, academic aptitude, achievement in school subjects, special aptitudes, interests, and temperament. The purpose of each test is explained to the student. Two weeks, at least, should be set aside for completing the first phase of the process; i.e., from the time the student comes to the Center until he confers with his counselor regarding test results.

Ordinarily, students who need help with personal problems may expect to see their counselor at least five or six times. Oftentimes more extensive counseling is required. Since this is the case, only a limited number of students may avail themselves of this type of service. If counseling beyond the usual minimum of five-six sessions is required, an additional fee must be charged.

Students will not be permitted to start the testing and counseling process during the last two weeks of the semester. Students desiring the services of the Center preceding the opening of the fall semester should plan to start testing at least two weeks before registration. Only previously enrolled Tech students may avail themselves of the services of the Center; others are handled on a private basis by members of the counseling staff. Until further notice the Center will be closed during August.

Students desiring the services of the Testing and Counseling Center should call PO 5-8541, Extension 331, or come to the Center for an appointment.

All service is on a fee basis, payable to the College. Students of Texas Technological College are charged \$12.50.

An IBM test-scoring service for the various departments of the College and for school systems in the area is also maintained. Further in-

formation regarding this feature may be had upon request.

Laboratory facilities are also furnished students in courses in counseling and guidance, especially those enrolled in tests and measurements. Facilities for a limited number of internships in counseling and guidance for doctoral candidates (Psy. 5331-5332) are available.

The counseling staff meets accepted professional standards. All are members of the American Psychological Association and hold membership in the National Vocational Guidance Association.

Reading Improvement Program

Under the auspices of the Testing and Counseling Center a non-credit reading improvement course is available to Tech students.

The course has been instituted for the purpose of improving not only reading proficiency, but also increasing study efficiency in general.

As the course is now structured, it consists of two class sessions of one hour each, and a practice period of one hour per week. Classes will ordinarily meet after 4 P.M. on Tuesdays and Thursdays for a six-week period.

As long as there is sufficient demand for the course, three sections limited to an enrollment of 20 each will be available twice each semester and during the first summer term. The six-week sessions during the long session are scheduled to avoid the mid-term and final examination periods.

The course is offered on a fee basis, the fee being \$25, payable to the College upon registration for the course. Registration for the reading course is separate from the regular registration and is processed by the Testing and Counseling Center. Reg-

istration dates will be announced preceding each six-week session.

Students desiring information concerning the course should contact someone at the Testing and Counseling Center or call PO 5-8541, Extension 331.

Residence Hall Supervisory Service

In the 13 residence halls on Texas Tech campus, housing approximately 4,500 students, a carefully selected staff of trained personnel direct a program designed to provide living conditions consistent with the best kind of college experience. This program, under the direction of the Assistant Dean of Men and the Assistant Dean of Women, points in a well-balanced program toward the best learning processes in group living. For a more complete statement on this service, see section entitled "Residence Hall Supervisory System," Page 36.

Student Health Service*

The College Infirmary, an 18-bed unit, provides accommodations for those regularly enrolled students ill enough to require constant supervision, and not in such physical condition as to require surgery or the services of specialists. Students judged to be in need of infirmary care by the College Physician may be admitted to the Infirmary, where they are under the constant supervision of the physician and a registered nurse. Neither the Out-Patient Clinic nor the Infirmary is financially able to give students unlimited medical service. The cost of special expensive medications, examinations, treatments, special X-ray examinations, and special laboratory tests must be paid by the student. Except for the above special services, no

* The Fifty-Sixth Texas Legislature prohibited the use of State funds to operate a Student Health Service, so the Student Health Service is financed with an allocation from the Student Services Fee.

charge is made for infirmary care up to a maximum of seven days in each semester; a minimum fee to cover the cost of food, drugs, supplies, and any special services is charged the student for each additional day in the Infirmary.

In case the Infirmary is filled to capacity, the College is not under obligation to provide students with hospital service elsewhere.

Students who become acutely ill or are injured when the Out-Patient Clinic is closed may receive emergency treatment by reporting to the nurse on duty in the Infirmary, which is open day and night. The Infirmary nurse cannot give routine clinical treatments and students are urged to come to the out-patient service during the regular clinic hours, except in cases of emergency.

The Health Service is staffed and equipped for treating the acute illnesses and minor injuries which commonly occur while the student is in residence at the College. It is not organized, however, to provide for the care of students requiring the services of specialists or treatment in a general hospital. Every effort will be made to notify the parents, guardian or nearest relative when a patient is believed to be threatened with a serious illness or is believed to be in need of an emergency surgical operation. The Health Service will provide such cases with emergency treatment and assist as far as it can by arranging for the patient to be transferred to the general hospital of the patient's choice.

The College cannot assume the responsibility for the continued medical care of students suffering from chronic diseases, such as epilepsy, heart disease, severe asthma, rheumatic fever, diabetes, nephritis, peptic ulcer, etc. It advises that such students make arrangements to be under supervision of a private physician as soon as they arrive in Lubbock. The College Physician will be glad to recommend competent doctors and specialists to those students who are in need of special care and

who are unacquainted with the physicians in Lubbock.

Health Service physicians and nurses are not at liberty to make outside calls or to treat students in their rooms or homes where the facilities for proper treatment are usually inadequate. Students when ill should report immediately to the Health Service, where they will be under the supervision of those especially trained for the care of illness.

It is the aim of the Health Service to screen out all students who have communicable diseases and to control such diseases on the campus. Students may be required to have a chest X-ray and skin tests before registration. The College requires that all students with communicable diseases be isolated until the danger of transmission has passed. Students are expected to obey the laws of the sanitary code of the city and state, and the College Physician may recommend the dismissal of any student who refuses medical advice or who willfully exposes his associates to a contagious disease.

The College is not responsible for the care of students during vacation periods and the Health Service will be closed during the time the College residence halls are closed. Special arrangements may be made for the continued care of students who were sick before the vacation period began.

Student Accident and Sickness Insurance Plan

There is available to students of Texas Tech who desire it a Student Accident and Sickness Plan. Protection is provided 24 hours a day throughout the year from September to September. Coverage is effective at home, at school, or while traveling, including vacation periods.

Information may be secured by writing or contacting the Student Council Office or the Office of the Dean of Student Life.

West Texas Cooperative Audio-Visual Services

Since 1938 the Extension Division has rendered film distribution service to schools of the West Texas area. During the summer of 1952 the administration of Texas Technological College and the school administrators of the area agreed upon pooling their resources to provide increased educational film distribution services. Increased film distribution, housing and preview facilities, and audio-visual consultant service have been provided to enrich education in West Texas through cooperative effort.

The WTCAVS provides on-campus service for the schools and departments of Texas Technological College. Room 11 of the Library Building has been set aside for on-campus viewing of films. These services may be scheduled by calling phone number PO 3-5014 or contacting the audio-visual personnel in the Library Building, Room 5.

Film distribution from the College campus is currently reaching 60,000 students in the public schools. Schools of West Texas desiring to participate in the Cooperative Audio-Visual program may obtain further information by writing the Director of WTCAVS, P.O. Box 4380, Texas Technological College, Lubbock, Texas.

The Placement Service

The Placement Service is a central agency which brings together employers, students, and faculty. Its facilities are at the disposal of all students of the College, regardless of major field of study or professional interest. It offers placement service to alumni and ex-students.

To those students who find it necessary to earn a portion of their expenses while attending college, The Placement Service is able to give assistance in finding part-time po-

sitions with Lubbock business firms and on the campus.

Employers, representing schools or business and industry, should file requests with The Placement Office for needed personnel. All details and coverage offered may be received from the Director, The Placement Service, Room 252, West Engineering Building.

The College Bookstore

The College Bookstore, situated on the campus, is a self-supporting enterprise owned and operated by the College. It is maintained to enable students to purchase textbooks, books for extension courses, supplies, and other equipment needed for laboratory and class work. The bookstore handles second-hand books, purchasing them at the end of the year from students who desire to dispose of such books.

College Bulletins

The General Information Bulletin is the official bulletin publication of the College and one with which all prospective students should be familiar. The information it contains is supplemented by the School bulletins: i.e., Agriculture, Arts and Sciences, Business Administration, Engineering, Home Economics, and Graduate. Each student is held responsible for familiarizing himself with the content of both his School bulletin and the **General Information Bulletin**.

The student handbook, T-ing Off at Texas Tech, and the Code of Student Affairs give exact information on matters related to student life, customs and traditions, particulars of student housing, residence hall regulations, student services, student recognition, student self-government, eligibility requirements, regulations on hazing, the student constitution, and general aspects of student life.

CULTURAL AND SCIENTIFIC RESOURCES

West Texas Museum

The Museum building, representing an investment of more than \$500,000, houses collections of more than that amount. The latest addition has been the opening of the new Hall of Earth and Man, and the outstanding attraction continues to be the historical fresco mural executed by Peter Hurd on the walls of the Rotunda. The total value of The Museum's assets is now over \$1,000,000.

A good beginning has been made in collecting objects of scientific, historic, and artistic value. The facilities of The Museum are open for the use of students, faculty, school children of the area, women's clubs, civic organizations, and all other persons and groups interested in the cultural history of the region.

The Spitz Planetarium, located in a small building back of The Museum proper, continues to draw large crowds of school children for special demonstrations during weekdays. These demonstrations are given by appointment made with the Museum Secretary. Public demonstrations are presented on Monday evenings at 7 P.M. and during the summer months the lectures are often supplemented by the use of the telescope.

The Plains Museum Society, which was originated in 1929, was changed to the West Texas Museum Association in 1936. The object of this association is to foster, increase, and diffuse among the people of this section and of the state a knowledge and appreciation of history, science, and art. Membership is open to any person actively interested in the work of the association.

The Southwest Collection

The Southwest Collection, which is housed in The Museum and is sponsored by the West Texas Museum Association, was established as

a separate department of the College in 1955 for the acquisition and preservation of books and archival material of significance to the history of the American Southwest. The long-range purpose of the Southwest Collection is the development of a great research center in history, making Texas Technological College the foremost institution in the nation in southwestern materials.

The Southwest Collection now includes an excellent library of books dealing with the history of this area, a fine group of manuscript ranch records of such important ranches as the Matador and Spur, some early colonization papers, area newspapers, microfilms, collections of private papers of individuals and business firms, and other archival materials. The department is supported by the College and augmented by private donations of money and materials.

The material in the Southwest Collection is primarily for research purposes and is open to students, faculty, visiting scholars, and other interested persons; but as one of the chief purposes is preservation of the material, use must be made of it in the Collection.

Civic Lubbock

Civic Lubbock is a community organization which sponsors a concert and entertainment series beginning in the fall of each year, in the Lubbock Municipal Auditorium or Coliseum located on campus just west of the stadium. (See "Cultural Opportunities," Page 40.)

Students may attend such concerts and programs, sometimes at a reduced rate.

Art Institute

The Texas Technological College Art Institute, originated during 1932,

is an organization composed of students, faculty members, and people of the community who are interested in sponsoring an active art program. The Art Institute sponsors traveling exhibitions of works of art and lectures on art. It sponsors local adult and children's art exhibitions. It has acquired a permanent collection of original oils, watercolors, and prints valued at \$25,000.

The Seismological Observatory

The Seismological Observatory of Texas Technological College was installed in June, 1948. Being the only observatory of its type within a considerable area of several contiguous states, it is in a particularly strategic position, especially for the detection of earth disturbances in Central and South America. Six seismometers, together with their associated equipment, constitute the Observatory, which is housed in an especially designed building.

Seismology, in addition to the detection and location of earthquakes, is useful in other ways. It is the one and only method of investigating the interior of the earth. Seismology is also useful in geophysical prospecting, in the design of buildings, in tracking hurricanes and typhoons, in measuring the thickness of polar ice caps and in the generation, transmission, refraction, reflection, diffraction, polarization, and adsorption of elastic waves. In these and in perhaps other fields, the Observatory may prove to be a center of experimental work.

Textile Research Laboratories

A program of research has been initiated which is expected to be far-reaching in its influence on the development of the textile industry in Texas.

The scope of the work contemplated will embrace fundamental and

applied research in the broad field of textile fiber properties and their utilization in yarn and fabric manufacture.

Services of the laboratories are available for conducting both privately and publicly sponsored research.

Funds have been made available by the Cotton Research Committee of Texas for a number of years, for conducting research designed to provide data and information which will result in the use of Texas cotton in a more effective manner, and on a broader scale in textile manufacturing operations.

Facilities of the Textile Engineering Department are made use of by the Textile Research Laboratories, located in the Textile Engineering Building.

Library

The Library of Texas Technological College, consisting of 223,767 catalogued volumes, 61,555 periodicals, and 155,794 documents, is housed in a separate building near the center of the campus. Among the facilities for student services are the reserve reading room, a general reading room, and areas devoted to the use of periodicals and documents. Individual study space is available for graduate students engaged in research. It also provides readers for microfilm and microcard publications.

A staff made up of 16 professionally trained librarians and 21 sub-professionals provides service all hours the library is open.

It offers services to the students and faculty of the College, to the citizens of the State of Texas, and to other friends of the College.

Hours of service: 8 A.M. to 12 Midnight, Monday through Friday; 8 A.M. to 6 P.M., Friday and Saturday; 2 P.M. to 12 Midnight, Sunday. Closed holidays. Summer term: 7:30 A.M. to 9:30 P.M., Monday through Friday; 7:30 A.M., to 4:30 P.M., Saturday. Closed Sundays and holidays.

ADMISSION

Responsibilities Assumed by Student Upon Admission. The student by virtue of his admission to Texas Technological College assumes a responsibility to do satisfactory work in his courses, to observe not only college regulations but also the proprieties of society. Serious violations of citizenship rarely occur. When they do the student is subject to disciplinary action.

Selective Admissions. The College reserves the right to establish a system of selective admission should the forecast of enrollment increase sufficiently to indicate the inability of the College to maintain high standards of teaching with the financial and space resources available.

Application and Credentials. The Dean of Admissions has charge of all matters pertaining to admission into any school of the College.

In order to become a student in the College, an applicant must take the following steps:

1. Obtain an application for admission. The Dean of Admissions will be glad to provide application blanks in response to requests received by mail, by telephone, or in person.
2. Provide the Admissions Office with an official transcript of his record in high school and his record at each college which he has attended since leaving high school. The applicant must assume responsibility for having these records forwarded to the Dean of Admissions, Texas Technological College, Lubbock, Texas. Transcripts and application blanks should be sent in immediately following the close of the last semester in high school or another college. No advantage will be gained by sending partial or incomplete records unless there is some question regarding admission.

New students applying for admission for the fall semester

are urged to submit their application and transcripts to the Admissions Office by July 1. While an early application cannot assure preferential treatment, it is a fact that late applicants are more likely to have difficulty in enrolling in certain areas for which the demand is very heavy.

3. File the Health Data Blank if an entering freshman. The blank will be sent to the student after the formal application is received. The Health Data Blank must be filled in by the family physician and must include a statement of successful smallpox vaccination within five years prior to registration. Exception to the smallpox vaccination requirement may be made upon written recommendation of the family physician.
4. Decide which school or curriculum in the College he desires to enter. If advice or counseling is necessary, the student may come to the campus in advance of registration day and consult with the dean of his school.

When an applicant's case is complete, that is, after his completed application blank and all necessary supporting transcripts and records have been received, the case will be evaluated. If time permits, the applicant will be notified of his acceptance or rejection before he arrives on the campus.

5. Report to the College campus as indicated in the official College Calendar and in notices sent to the student in reply to his application. All entering freshmen must report at the beginning of the freshman orientation period.
6. Pay fees on the days indicated for registration.

Freshman Pre-Registration Guidance Testing and Orientation. All entering freshmen are required to assemble at the College for a period of testing, guidance and orientation (see College Calendar). This program is followed with a view to assisting the student in the selection of a program of study and to aid the faculty and administration in the guidance of the individual student.

Until Sept. 1, 1962, tests will be given to all entering freshmen who have not taken the American College Test (ACT) or the Scholastic Aptitude Test (SAT) from the College Board and have not had the scores forwarded. Results of the tests are not used as a basis for admission, except in the case of adult students who are seeking admission on the basis of maturity and experience. The freshman who does not report for pre-registration and orientation will be delayed in his ultimate enrollment in college.

Effective Sept. 1, 1962, all entering freshmen students will be required to submit scores of the Scholastic Aptitude Test of the College Entrance Examination Board. All other requirements, as listed in this bulletin, will continue in effect until further notice.

Uniform Minimum Requirements For Admission

Admission by High School Certificate. For entering freshmen, the first requirement for admission is graduation from an accredited high school. The following units are the uniform requirements for admission to any school of the College:

- | | |
|---|---|
| 1. English | 3 |
| 2. Mathematics* — algebra, geometry, trigonometry | 2 |
| 3. Social science | 2 |

- | | |
|-----------------------------|---|
| 4. Laboratory science | 1 |
| 5. Electives | 7 |

Removal of Deficiencies. A student who is admitted with deficiencies is required to remove them in his first two semesters. While removing deficiencies, however, a student must defer some of the usual freshman courses. A student may save time by making up units he lacks by completing appropriate courses by correspondence before registration.

Recommendations for Particular Curricula. All course work and curricula are based upon the assumption that the student has a background and proficiency acquired in high school which will permit him to pursue the courses required in his curriculum.

Engineering. Admission of applicants as freshmen in the School of Engineering is based on an acceptable high school record.

The study of engineering requires a thorough background of preparation in English, mathematics, physics, and chemistry. It is essential, therefore, for the prospective engineering student to present a high school record which includes 4 units of English (or 3 units of English and 2 units of a foreign language), 2 units in algebra, 1 unit in geometry, $\frac{1}{2}$ unit in trigonometry, and 1 unit of physics (chemistry and advanced algebra are strongly recommended).

A student entering with deficiencies as determined by the high school record, or as indicated by the results of the freshman proficiency tests, must make them up in his first two semesters. While removing deficiencies, students must defer some of their regular degree work and will be classified as pre-engineers. For these reasons, admission deficiencies should be removed, if possible, before entering the School of Engineering, or by attending the summer sessions preceding the freshman year.

* One unit in general mathematics may be accepted toward admission to the Schools of Agriculture, Business Administration, Home Economics, and for non-science majors in Arts and Sciences. Courses falling under the description of arithmetic are not accepted as one of the uniform required units in mathematics.

Sciences. The student planning to major in mathematics, chemistry, physics, or geology should present a high school program which includes two units in algebra and one in plane geometry. If these subjects are required for a curriculum, deficiencies must be removed the first two semesters in attendance at Texas Tech.

Agriculture, Business Administration, and Home Economics. Applicants for admission to the Schools of Agriculture, Business Administration, and Home Economics will be admitted on a certificate of high school graduation with a pattern of units as outlined above under Uniform Minimum Requirements for Admission.

Advanced Standing. Entering freshman students who have not attended another institution of higher learning, who have completed work of college level in high school, and who have submitted appropriate scores on the Advanced Placement Tests of the College Entrance Examination Board or on locally developed tests may under certain conditions be granted credit in comparable college-level courses in the following areas: chemistry, English, foreign languages, mathematics, and physics. The granting of such credit will be determined by the academic dean of the school and the department head of the discipline concerned. Inquiries should be addressed to the Dean of Admissions.

Admission of Out-of-State Students. Applicants for admission who are not legal residents of Texas (for tuition purposes) must meet the following minimum requirements:

1. Graduated from an accredited high school with at least 15 units as listed under "Uniform Minimum Requirements for Admission."

2. Achieved scholastic status in the upper three-fourths of the high school graduating class.

Admission of Mature Students on Condition. The mature student (21 years of age or over) who has not attended another college may be ad-

mitted as a freshman on condition without having met the formal admission requirements. A request for such admission must be accompanied by a complete transcript of the high school record. The applicant should first apply for an interview at the Registrar's Office 30 days before the opening of the semester and he then may be directed to the Testing and Counseling Center to take tests required for this type of admission. The Committee on Admissions must recommend his admission. Admission in this manner is allowed only in the case of an applicant who shows that he is above average in his ability and has not recently attended high school.

Admission of a mature student on condition does not confer special privileges, but, on the contrary, puts the applicant under special obligation. Neglect of work or other evidence of lack of serious purpose on the part of the student thus admitted is sufficient cause for withdrawal of approval of his continuing as a student. The student admitted as a mature student on condition will be assigned to his chosen curriculum. A grade-point average of at least a C (1.00) on the first 30 semester hours will absolve all admission requirements for that curriculum.

Specific conditions in mathematics and physics for students in the School of Engineering must be removed as indicated previously.

Credit for Military Service. Any student who has been honorably dismissed from any branch of the Armed Forces with a minimum of 90 days of service may receive credit for 2 semester hours of physical education normally required as a part of his curriculum. With one year or more of active service he may receive credit for 4 semester hours in physical education normally required. Application for this credit must be made the first semester in attendance at Texas Technological College following honorable discharge.

Admission of Graduate Students. General Admission to the Graduate

School—Applicants with a bachelor's degree from a recognized college or university may be admitted as unclassified graduate students on the basis of a complete transcript of their previous work. The formal application and the transcript must be in the hands of the Dean of Admissions well in advance of registration. Mere permission to enroll for courses, either in residence or by extension, does not carry with it official admission to the Graduate School, even as an unclassified student.

Admission as Applicants for Graduate Degrees — Everyone (including graduates of Texas Technological College) who seeks admission to the Graduate School with the intention of working toward a master's or doctor's degree will be required to take the Aptitude Test of the Graduate Record Examinations either prior to registration or at the first suitable examination date thereafter.

Students enrolling in the Graduate School without a degree objective are not required to take the Aptitude Test, but if they later decide to work toward a degree, they will become subject to the usual requirements with respect to it, and only limited credit will be allowed for graduate work completed prior to the taking of the test.

Further details concerning the Graduate School may be found in the Bulletin of the Graduate School.

English Requirements for Foreign Students. In addition to meeting the regular entrance requirements, applicants whose native tongue is not English are required to submit satisfactory evidence of their proficiency in oral and written English, and they may be required to undergo tests of this proficiency after they reach Lubbock.

Applicants whose records reveal inadequate preparation in English may be required to attend an English Language Institute before they are

considered for admission to Texas Technological College.

All undergraduate students for whom English is not the first language are required to enroll in special English classes for foreign students unless they have demonstrated exceptional skill in their use of the English language. Such students will complete up to a maximum of 12 semester hours of this work. The actual amount is determined by the Department of English on the basis of the student's progress.

Admission from Other Colleges and Universities

Undergraduate students who have attended another accredited college, who are in good standing, and who are not under disciplinary or scholastic suspension may be accepted for admission to Texas Technological College upon presentation of an official transcript. The student's previous performance must meet the following minimum requirements for transfer students:

Specific requirements for the transfer student who originally enrolled for 12 or more semester hours during the last semester is attendance:

- (1) The student who has registered for only one semester in college must have earned at least 6 semester hours of credit with 6 grade points.
- (2) The student who registered for two, three, or four semesters must have earned at least 9 semester hours with 9 grade points during his last semester.
- (3) The student who registered for five or more semesters must have earned at least 12 semester hours with 12 grade points during his last semester.

The student who originally registered for less than 12 semester hours during his last semester in attend-

ance must have passed one-half of his hours with a grade of "C" or above during the semester.

Grade points are computed as follows: for each hour of A — 3; B — 2; C — 1; all other grades — none.

Students transferring credits from a non-accredited institution must validate all credits with a 1.00 grade average on the first 30 hours of residence at Texas Technological College. The student may be dropped at any time he falls below a 1.00 average during the first 30 semester hours. Students who did not meet the admission requirements to Texas Technological College at the time they were admitted to a non-accredited institution must successfully pass required testing for admission. Credit earned will also be validated as indicated above.

Since the College offers a number of degrees which require the fulfillment of widely differing curricula, the acceptance of credits from another college by the Registrar does not guarantee the use of all these credits in a given curriculum. After admission and acceptance of transferred credit by the Registrar, the student should consult the dean of the school in which he plans to enroll. The usefulness of transferred credit is determined by whether or not the work is equivalent to work in the curriculum or as permissible electives.

At the option of the academic dean, transferred courses with a grade of D or equivalent may not be accepted as meeting degree requirements.

Credit in physical education activity courses, or substitutes therefor, is accepted in transfer to the extent that it meets degree requirements, but grade points accumulated in such courses may not be applied to reduce a deficiency of grade points in other subjects.

A former Tech student who has attended another college after leaving this College must meet the appropriate quality requirements as indicated above for transfer students.

Concurrent Registration at Texas Technological College and Other Institutions:

1. Students registered at Texas Tech who desire concurrent registration at another institution must obtain prior approval in writing from the appropriate academic dean at Texas Tech. This approval applies to all residence courses, extension courses, and correspondence courses in progress at the time of registration and those initiated during the semester.

2. A student registered at another institution who desires to enroll concurrently for credit at Texas Tech must have written approval from his institution and make application for concurrent registration with the Dean of Admissions at Texas Tech.

Registration

Each student who completes the admission process will be furnished registration materials along with his notice of admission. These materials include the application for a registration permit packet and a form concerning the student's local Lubbock address.

The student should complete and return the forms to the Registrar as soon as possible in order to allow time to assign a registration period. If time permits, the student will be notified by mail when to report for registration. Registration packets will be distributed on campus — they will not be mailed.

A student's registration permit packet cannot be distributed until his Lubbock residence is approved by the Dean of Men or Dean of Women.

Scholastic Order of Registration. The undergraduate student's registration time is assigned according to his scholastic record, as determined at the end of each spring semester. All hours passed and grade points earned are accumulated to determine the "Registration Number" for each student. The student with the higher registration number is given priority.

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The registration number assigned for the spring semester is the same as the student had for the previous fall semester.

Registration numbers for transfer students are equitably assigned on a competitive basis with Tech students according to the number of hours accepted in transfer to Texas Tech.

Graduate students and entering first-semester freshmen students are not included in the scholastic order of registration.

Testing Requirement for Fall Semester 1962. Effective September 1, 1962, all entering freshmen students will be required to submit scores of the Scholastic Aptitude Test of the College Entrance Examination Board. All other requirements, as listed in

this bulletin, will continue in effect until further notice.

Hazing Pledge. Each applicant is required to sign the following pledge each time he registers at Texas Tech:

In becoming a student of Texas Technological College, I hereby pledge absolute obedience to the laws of the State of Texas, the United States of America, and the regulations of the Texas Technological College. I pledge conformity to those highest standards of conduct which are universally recognized in good society and among honorable men and women. I especially pledge obedience to the laws of the State of Texas against hazing, and to refrain from encouraging, aiding or assisting any other person in any hazing enterprise.

EXPENSES

The question of expense while attending college is of importance to every student. In a large student body, there are so many different tastes, as well as such a wide range of financial resources, that each student must determine his own budget in keeping with his own needs and financial condition. It is possible to live simply and to participate moderately in the life of the college community or a modest budget. The best help the college authorities can offer the student in planning his budget is to furnish information on certain definite items of expense and acquaint him with others for which he, in all probability, will have to make provisions.

Payment of Fees.* All fees are payable in full at the time of registration, and a student is not registered until all his fees are paid in

full. Payment may be made by cash, check, or money order payable to Texas Technological College. All checks, money orders, and drafts are accepted subject to final payment.

Registration Fee for Resident Students.** For each resident student enrolled for 12 or more semester credit hours, the registration fee is \$50 per semester. For those enrolled for less than 12 semester hours there is a reduction in the amount of the fee charged, as follows:

For 11 semester hours—	\$47.00
10 semester hours—	43.00
9 semester hours—	39.00
8 semester hours—	35.00
7 semester hours—	31.00
6 semester hours—	27.00
5 semester hours—	23.00
4 semester hours—	19.00
3 semester hours	
or less—	15.00

*Texas Technological College reserves the right to change fees in keeping with acts of the Texas State Legislature or the Board of Directors.

**The Board of Directors has adopted the following resident and non-resident regulations:

1. A non-resident student is hereby defined to be a student of less than twenty-one (21) years of age, living away from his family and whose family resides in another state, or, whose family has not resided in Texas for the twelve (12) months immediately preceding the date of registration; or a student of twenty-one (21) years of age or over who resides out of the State or who has not been a resident of the State twelve (12) months subsequent to his twenty-first birthday or for the twelve (12) months immediately preceding the date of registration.
2. The term "residence" means "legal residence" or "domicile"; and the term "resided in" means "domiciled in."
3. The legal residence of one who is under twenty-one (21) years of age is that of the father. Upon death of the father, the legal residence of the minor is that of the mother. Upon divorce of the parents, the residence of the minor is determined by the legal residence of the person to whom custody is granted by the court until the minor shall have reached the age of 14. After the minor has attained the age of 14, the residence of the minor shall be determined by the residence of the parent with whom the minor has made his home for the 12 months immediately preceding his registration. If the custody of the minor has been granted to some other than a parent, the residence of the person shall continue to control for so long as the minor actually makes his home with such person. In the absence of any grant of custody, the residence of the parent with whom the minor has made his home for the 12 months immediately preceding his registration shall govern. If the minor has not made his home with either parent, the residence of the father shall control.
4. A student under twenty-one (21) years of age shall not be classified as a resident student until his parents shall have maintained legal residence in this State for at least twelve (12) months. A student under twenty-one (21) years of age whose parent leaves the State and establishes residence in another state shall be classified as a non-resident student. It shall be the responsibility and duty of the student to submit legal evidence of any change of residence.
5. All individuals who have come from without the State of Texas and who are within the State primarily for educational purposes are classified as non-residents. Registration in an educational institution in the State is evidence that residence is primarily for educational purposes even though such individuals may have become qualified voters, have become legal wards of residents of Texas, have been adopted by residents of Texas, or have otherwise attempted to establish legal residence within the State.
6. The residence of a wife is that of her husband; therefore, a woman resident of Texas who marries a non-resident shall be classified as a non-resident and shall pay the non-resident fee for all semesters subsequent to her marriage. (Exception: A woman stu-

Registration Fee for Non-resident Students. Under the authority of House Bill 265 enacted into law by the 55th Legislature, each non-resident student* is required to pay a non-resident registration fee of \$200 per semester of the long session. For the non-resident student enrolled in the long session for less than 12 semester hours, there is a reduction in the amount of the fee charged, as follows:

For 11 semester hours—	\$184.00
10 semester hours—	167.00
9 semester hours—	150.00
8 semester hours—	134.00
7 semester hours—	117.00
6 semester hours—	100.00
5 semester hours—	84.00
4 semester hours—	67.00
3 semester hours	
or less—	50.00

The responsibility of registering under the proper residence is placed upon the student, and it is his duty, at or before registration, if there is any possible question of his residence in Texas under the State law and College rules, to raise the question with the Registrar and have such question settled prior to registration.

There can be no change of residence except upon express authorization by the Registrar. Regulations on the non-resident fee are enforced strictly.

Any student who wrongfully pays the Texas rather than the non-resident fee may be assessed a penalty not to exceed \$10.

Registration Fee for Evening Program. The following tuition schedule presents fees to be charged resident and non-resident students.

	Resident	Non-Resident
Each Course of		
3 hrs. or less	\$15.00	\$50.00
Each Course of		
4 or 5 hrs.	19.00	67.00
Each Course of		
6 hrs. or more	30.00	100.00

Laboratory fees will be assessed in applicable Evening Program courses.

All Evening Program students are required to make a \$7 general property deposit.**

Visitor's Fee. A fee of \$10 for each course is required for the privilege of visiting any course. No credit may be

dent of Texas Technological College who is classified as a resident student and who marries while a student, a non-resident student of Texas Technological College, shall be permitted to continue to pay the resident fee for the two long-session semesters immediately following her marriage). A non-resident woman student who marries a resident of Texas is entitled to be classified immediately as a resident student and is entitled to pay the resident fee for all subsequent semesters.

- All aliens shall be classified as non-resident students except that an alien who has applied for naturalization in the United States and has received his first citizenship papers shall have the same privilege of qualifying as a resident student as a citizen of the United States. The twelve (12) months' residence required to establish the status of a resident student shall not begin until after such citizenship papers have been issued to the alien.
- Officers, enlisted men and women, selectees or draftees of the Army, Army Reserve, National Guard, Air Force, Air Force Reserve, Navy, Naval Reserve, or the Marine Corps of the United States, who are stationed in Texas by assignment to duty within the borders of this State, shall be permitted to enroll themselves, their husband or wife as the case may be, and their children in State institutions of higher learning by paying the tuition fees and other fees or charges provided by regular residents of the State of Texas, without regard to the length of time such officers, enlisted men, selectees or draftees have been stationed on active duty within the State. This does not apply to students, their husband or wife as the case may be, who are in attendance under contractual arrangements between the College and the Armed Forces of the United States, whereby the student's tuition is paid by the Armed Forces. Any student claiming the benefits of this section must submit at each registration a statement by the Commanding Officer of the student or the Commanding Officer of the student's father, mother, husband or wife, verifying the fact of his military status.
- Appointment as a member of the teaching or research staffs or the holding of a fellowship, scholarship, or assistantship shall not affect a student's residence status or the tuition fee to be paid.
- A student who claims that he has no permanent residence but who has not been a bona fide resident of the State of Texas for at least one year immediately preceding the date of his original or subsequent enrollment in the College may not claim exemption from the non-resident fee.

*S.B. No. 232 Regular Session, Fifty-third Legislature.

**See paragraph General Property Deposit.

obtained for auditing courses in this manner. See section titled "Visiting the Course as an Auditor."

Enrolling for No Grade. Students regularly enrolled in the College, either in the summer session or the long session, are entitled to register for residence courses for no grade and therefore for no credit. Such registrations are to be considered on the same basis as registrations in credit courses in making the student's schedule, both in payment of fees and in consideration of the amount of work to be carried.

Student Services Fee. This is a \$17 fee that each student enrolled for 6 semester hours or more must pay each semester of the long session.

Replacement of lost ID - Activity Cards will be made as set out in the following schedule:

Fall Semester	Spring Semester	Cost
After Oct. 15	After March 1	\$12.75
After Nov. 15	After April 1	8.50
After Dec. 15	After May 1	4.25

Student Union Fee.* This is a \$5 fee that each student must pay each semester of the long session. The fee is \$2.50 for each summer term.

General Property Deposit. Each student enrolled in the College must make a general property deposit of \$7. This deposit is subject to charges for property loss, or damages, or breakage, or violation of rules in Library or laboratories. If the charges incurred for any semester reduce the deposit by 50 per cent, the student, upon notice from the Auditor, will be required to restore the deposit to its original amount by paying the charges at once; pending payment, no credit will be allowed on the work of that semester or term, and the student will be ineligible to re-enter college. This deposit, less charges, will be returned to the student at his request upon termination of his tenure here as a student.

Deposits which remain without call for refund for a period of four (4) years from the date of last attendance shall be forfeited and are transferred to the Student Property Scholarship Account.**

Laboratory Fees. For all courses in which the combined credit of lecture and laboratory is from 1 to 3 semester hours, a laboratory fee of \$2 is charged for each semester. For courses in which the semester credit is 4 semester hours or more, the laboratory fee is \$4 per semester. A laboratory fee of \$2 is charged for each freshman student participating in the early registration counseling and testing program to cover laboratory materials and supplies.

MISCELLANEOUS SPECIAL FEES

Ceramics Fee:
 Architecture 4316, 4317\$ 5.00
 Allied Arts 238, 239, 4311, 4312,
 (421 ceramics only)\$5.00

Model Fee:
 Architecture 326, 327,
 423, 424\$ 5.00
 Allied Arts 426, 427\$ 5.00

Course Fees:
 Education 4315\$ 3.00
 Management 110, Testing Fee ...\$ 4.00
 Marketing 438\$ 5.00
 Physics 237, Photography Fee.....\$20.00
 P.E. 4321, Driver Instruction.....\$20.00
 Psychology 536\$ 3.00
 Applied Arts 333, 435\$ 5.00
 Swimming 012, 013, 014,
 015, 0148, 2112, 2122,
 2124, 322\$ 5.00

Service Fees:
 Accounting 246, 247\$ 4.00
 Marketing 346\$ 6.00
Secretarial Administration:
 120, 121, 122\$ 8.00
 131, 132, 235, 331, 333\$ 4.00
 321\$9.00
 421\$10.00

Music Fees for Private Instruction. The following costs are not covered by the College Registration Fee for individual instruction in voice, wind and string instruments offered by the

*S.B. No. 232 Regular Session, Fifty-third Legislature

**H.B. No. 583 Regular Session, Fifty-fifth Legislature.

Department of Music. They are payable in full at the time of registration.

For each one of the following courses in applied music:

Private Instruction

Applied Music 115, 116, 215, 216, 315, 316	\$15.00
Applied Music 025, 026, 125, 126, 225, 226, 235, 236, 325, 326, 345, 346, 425, 426, 435, 436, 445, 446	\$30.00
Practice room and piano rental is payable at the College Business Office:	
One hour per day per semester	\$5.00
Each additional hour	\$2.50
Musical instrument rental for class strings, woodwinds, brasses (each class)	\$2.50

Locker or Gym Fee. Students who are not enrolled in a physical education laboratory course will pay a \$1 fee per semester for use of a locker, if a locker is available.

Towel Fee and Deposit. Students and faculty desiring towel service may obtain this service by paying the \$1 fee each semester and a \$1 deposit, which will be refunded upon return of the towel.

Faculty Fee. Faculty members who wish to use the Gymnasium-Natorium facilities will pay a \$2 fee for each fiscal year or any part of a fiscal year.

Graduation Fee. Graduating students will be charged a graduation fee of \$5 for each degree granted. The fee will be refunded provided the student cancels his graduation intentions before the diploma has been printed and before other related steps are taken.

If the student does not cancel his intention to graduate in time, he must pay \$2 for reordering the diploma insert only. If both the insert and the cover have to be reordered, the charge will be \$5, as in the initial order.

Students who graduate in absentia will pay a fee of \$1.50.

Change In Class Schedule Fee. A fee of \$3 is due each time a student initiates one or more changes in his previously approved class schedule. There will be no charge when the change is made for the convenience of the College. This fee will not be collected after the 10th week of any semester.

Duplicate Receipt Fee. A fee of 50 cents will be charged for each duplicate registration receipt issued.

Refund of Fees. Any student withdrawing officially during either semester will receive a refund on registration and activity fees according to the following schedule:

- 1st class day through 14th class day — 80 per cent
- 15th class day through 20th class day — 60 per cent
- 21st class day through 25th class day — 40 per cent
- 26th class day through 30th class day — 20 per cent
- No refund will be made after 30th class day.

The official College Calendar near the front of this bulletin indicates the official date of the beginning of each semester.

In the summer session any student withdrawing officially during the first week of either term will receive a refund of 60 per cent of any registration and activity fees paid, and during the second week, 20 per cent. A student who withdraws during the third week and thereafter of either term will receive no refund.

Refund of tuition and fees will be made when the College is at fault. Refund of tuition or fees will not be made on courses of less than six-week duration. No refund on unused balance of deposits will be made until at least 30 days after the student terminates his tenure here as a student. In no case will fees be refunded to a

student suspended from college by college authorities. If the student is permitted to re-enter school during the same semester in which he is suspended, a re-entrance fee of \$5 will be charged. Once a student has registered for a laboratory class and has attended the class, no refund of the laboratory fee will be made unless the College is at fault.

Students who complete registration and are later dropped under conditions set forth in the section entitled "Scholastic Regulations Affecting Undergraduates," of this bulletin will be ineligible to receive refund of fees.

Exemption from Fees Because of Honorable Discharge from the Armed Forces. Men and women who were legal residents of Texas at the time of entry into the Armed Forces and who have been legal residents of Texas for a period of not less than 12 months immediately preceding their registration in Texas Technological College, and who hold an honorable discharge from the Armed Forces of the United States during the Spanish-American War, World War I, World War II, or the Korean War, are by State law exempt from the payment of all fees except library and laboratory fees or similar deposits and fees, or charges for room and board. The provisions of this act shall apply to the benefit of all nurses, members of the Women's Auxiliary Corps and Women's Auxiliary Volunteer Emergency Service. The benefits and provisions of this act shall also apply to the benefit of the children of members of the United States Armed Forces where such members of the Armed Forces were killed in action or died while in the service during World War II or the Korean War. The provisions of this act shall not apply to or include any member of such United States Armed Forces, or other persons herein above named, who were discharged from the service because of being over the age of 38 or because of a personal request on the part of such person to be discharged from such service.

Discharge papers must be presented by the student to the Coordinator of Veterans' Affairs, who will in turn certify the student's eligibility to the Business Office.

Veterans are not eligible to the above outlined benefits under State law until their eligibility to educational benefits from Federal funds through the Veterans' Administration has expired.

SUMMARY OF REGISTRATION EXPENSES

Each student should have available at the time of his first enrollment approximately \$270 in traveler's checks, cashier's checks, or money orders. All registration expenses must be paid in full at the time of registration. Room and board may be paid by partial payments made from the first to the fifth of each month.

To enable the resident student to approximate his expense at the time of entering college, the following estimates are offered:

	Fall	Spring
Registration Fee	\$50.00	\$50.00
Laboratory Fees (estimated)	4.00	4.00
Student Services Fee	17.00	17.00
Student Union Fee	5.00	5.00
General Property Deposit (new student)	7.00	7.00
Books and Incidentals (estimated)	50.00	35.00
First payment of room and board in the residence halls	135.25	65.00
New residence halls (See residence hall rates for spring)	(144.65)	(73.00)
Total (estimated)	\$268.25	\$183.00

The cost of books and supplies will vary with the different curricula of the College from a minimum of \$20 to a maximum of \$50. Engineering students are required to purchase their own drawing equipment, slide

rule, etc., which, plus books, cost approximately \$100 the first year, or an average of \$50 per semester.

Estimate of Annual Cost. An estimate of the annual expense by semesters for one long session is as follows:

	Fall	Spring
Registration Fee	\$50.00	\$50.00
Laboratory Fees (estimated)	4.00	4.00
Student Services Fee	17.00	17.00
Student Union Fee	5.00	5.00
General Property Deposit (new student)	7.00	
Books and Incidentals (estimated)	50.00	35.00
Sub-total	\$133.00	\$111.00
Residence Hall Room and Board for nine months		
Old Halls	\$590.25	
New Halls	(655.65)	
Grand Total (Old Halls)		\$834.25

Approval of housing of all students is a part of registration and is the responsibility of the Dean of Men and the Dean of Women. The College requires that student residence be in the College residence halls to their total capacity. These residence halls, accommodating approximately 4,500 students, are owned and operated by the College.

Students who live with their parents, students who are married and live with their wives or husbands in the City of Lubbock and vicinity, students whose health condition demands special services and living conditions, and students whose part-time employment prohibits their securing meals regularly in a residence hall, may be approved for off-campus residence.

Students who cannot be accommodated in a residence hall at the time of registration and who are not excepted on the bases listed above are required to take residence in a residence hall upon notification from the College.

Change of Address. The student is urged to confer with the Dean of Men or the Dean of Women before making a change in his residence. He is required to file change of address information with the Dean of Men or the Dean of Women as the final step of approval of change in residence. Failure to notify the College of his change of address may subject the student to being dropped from the rolls of the College.

Charges for Room and Board in College Residence Halls. All prices indicated below are subject to change without notice prior to registration date and with 10 days' notice thereafter.

Charges for room and board in West, Sneed, Bledsoe, Gordon, Doak, Drane, Horn and Knapp Halls will be \$590.25 per nine-month period for the regular double rooms occupied by two students.

Charges for room and board in Thompson, Gaston, Wells, Carpenter, and Weeks Halls will be \$655.65 per nine-month period for the regular double rooms occupied by two students.

Payments may be made for the full nine-month period, September through January, February through May, or by the month as outlined below:

	Old	New
September and October	\$135.25	\$144.65
November	65.00	73.00
December	65.00	73.00
January	65.00	73.00
February	(a) 65.00	(b) 73.00
March	65.00	73.00
April	65.00	73.00
May	65.00	73.00
Total	\$590.25	\$655.65

(a) Will be \$100.00 for new student

(b) Will be \$108.80 for new student

In some residence halls there are a few rooms with private bath for

which there will be an additional charge of \$7.50 per month per person. Corner rooms will be \$1.50 per person per month additional.

If facilities are available, one student may occupy a double room for an additional charge of \$7.50 per month.

Room and board is due in advance and is payable from the first through the fifth day of each month except at the beginning of a semester, at which time it is due the first five days of the semester. An additional charge of 25 cents per day will be made after the fifth day of the pay period.

Refund of room and board to students who move out during the nine-month period will be figured on a straight percentage basis, using calendar days.

No charge is made for electrical appliances; however, only certain appliances will be permitted in the rooms. Each student will be furnished a list of the permitted appliances.

Residence Hall Reservations. Application for residence hall reservations will be made to the Office of Room Reservations. A check for \$40 must accompany the request. This will serve as a reservation fee, and will be held as a residence hall property deposit. It will be refunded, less any breakage charges, if the student graduates at the end of the fall semester; does not return to school for the spring semester and notifies the Office of Room Reservations in writing by Jan. 10 of his intent; is forced to withdraw at the end of the fall semester for scholastic deficiencies; or at the end of the nine-month period. The deposit will not be returned if the student moves from his residence hall at any other time during the nine-month period for any other reason, including the student who is dropped from school for disciplinary reasons.

Should a student find it impossible to enroll in the College, he will receive a refund of his reservation fee if application is made not later than Aug. 15 for the fall semester, Jan. 10 for the spring semester, May 15 for the first term of summer session, and June 30 for the second term of summer. All unclaimed rooms in the residence halls will be declared vacant at 8 a.m. on the first day of classes and the \$40 deposit will be forfeited.

All arrangements for housing accommodations off-campus are made through the Offices of the Dean of Men and Dean of Women.

Casa Linda, Cooperative House. Casa Linda houses 18 women students under the direction of upper-class students. The work entailed in running the house is done cooperatively by the resident students. The house is completely furnished except for bedding and linens, which the students are expected to furnish. The charge made covers the actual cost of operation which varies with rising prices, but is in line with a carefully worked out budget. Casa Linda operates under regular residence hall standards. The cooperative house, operating at 2501 19th Street as long as this property is owned by the College, furnishes a fine opportunity for cooperative living in a dignified and pleasant environment. Application for residence in Casa Linda must be made through the Office of the Dean of Women.

Check-Cashing Services. For convenience of the student, personal checks may be cashed for limited amounts at the College Bookstore and the Union upon presentation of the student's ID card. All checks are accepted subject to final payment. Checks returned by the bank on repeated occasions may subject the student to suspension.

RECOGNITION OF SCHOLARSHIP

Scholarship Honors

Honor Roll. At the close of each semester the Registrar's Office issues an honor roll which includes the names of all undergraduate students, who, during the semester, have been registered for not less than 12 semester hours of work and who have ranked in the upper 5 per cent of the student body in the quality of grades made in such work, without having received any failing or incomplete grades.

Graduation With Honors. Those members of the graduating class who complete their work with a grade average of 2.80 or above are graduated *With High Honors* and those who complete their work with a grade average of 2.50 or above but less than 2.80 are graduated *With Honors*. Appropriate designation of this distinction is made on the diploma and the commencement program. No person shall be considered for honors unless at least one-half of the work is done at this institution, and the half shall include the senior year. Only grades earned in this College will be counted.

Fellowships, Scholarships, Awards

All fellowships, scholarships, and awards are administered by the Col-

lege through its Faculty Committee on Scholarships and Awards by designated faculty members or organizations. Only those grants in which the Committee has final choice in selecting recipients, and where there is a reasonable expectation of continuation, are considered to be scholarships for catalog and recognition purposes.

Scholarships are awarded to students on various bases, such as academic achievement, financial need, and/or high personal qualities of character and citizenship. A student shall be eligible for only one College-administered fellowship or scholarship amounting to more than tuition during any one semester. In event of multiple awards to the same student, he may have his preference. This shall not apply to scholarships for honor graduates of Texas high schools. The payment of all scholarships, fellowships, and awards is subject to the necessary funds being made available by the donors and to the recipient's having continued to meet the eligibility prerequisites at the time each installment is due. Correspondence concerning a particular fellowship, scholarship, or award should be addressed as directed in each case.

For details and descriptions of fellowships, scholarships, and awards available, consult the College Bulletin on Scholarships, Fellowships, Awards, February 1960.

LOAN FUNDS

Texas Technological College has a number of funds from which loans may be made to assist worthy students in paying their college expenses. Several of these loan funds operate on the interest derived from

the investment of the principal with which the loan fund was established. Some are small and are available only to certain groups of students. Listed here also are some of the loan funds made available and adminis-

tered by recognized student organizations at Texas Tech to a membership determined by academic interest.

Agricultural Club Loan Fund. The Agricultural Club has established a loan fund to aid agricultural students in emergencies. Applications for loans should be made to the Agricultural Club sponsor.

Robert K. Allen Loan Fund. This fund was established in 1946 by Mr. Robert K. Allen, an alumnus of the College, and loans are available to students of the School of Agriculture. Application should be made to the Dean of Agriculture.

The American Institute of Industrial Engineers Loan Fund. This loan fund, made up from the general property deposit refunds donated by graduating seniors of the Industrial Engineering Department, is available to any industrial engineering student. Application should be made to the faculty sponsor of the campus chapter of AIIE.

The American Society of Mechanical Engineers Loan Fund. The American Society of Mechanical Engineers has established a small loan fund for students in the School of Engineering. Application should be made to the Assistant Dean of Student Life.

The Brown Memorial Trust Loan Fund. This loan fund was made available from funds of the Brown Memorial Trust, a division of the T. J. Brown and C. A. Lupton Foundation, Inc., Fort Worth. Application should be made to the Assistant Dean of Student Life.

Engineering Society Loan Fund. The Engineering Society maintains a loan fund which is available to engineering students who have completed at least 50 per cent of the required work toward graduation. Approximately two weeks are required to process a loan. Application should be made to Prof. C. C. Permyan.

Dr. R. J. Hall Loan Fund was established by request of the late Dr. R. J. Hall of Lubbock. The fund is

available to undergraduate students. Application should be made to the Assistant Dean of Student Life.

Home Economics Club Loan Fund. This fund, known as the Margaret W. Weeks Loan Fund, was established during the first year of the College by the Home Economics Club. This fund is open to home economics students. Application should be made to the Dean of Home Economics.

The Houston City Panhellenic Association Loan Fund. This association has an available fund from which loans may be made to junior or senior women students who are residents of Harris County. Students interested in applying for a loan should see the Dean of Women.

Mrs. Harry Morris Foreign Students Loan Fund. This loan fund is available to foreign students enrolled in the College. It is primarily designed to meet financial emergencies of foreign students who have been enrolled in Texas Technological College. Applications for foreign student loans should be made in person to the Assistant Dean of Student Life.

George T. Morrow Loan Fund of \$20,000 was left to the College by the late George T. Morrow, prominent businessman of Lubbock for a number of years. The fund is available to upperclassmen only. Application should be made to the Assistant Dean of Student Life.

National Defense Student Loans. The College has been allotted funds through the National Defense Education Act of 1958 to be used for student loans. Matching funds in the amount of one-ninth of the total provided by the Federal Government have been provided by existing loan funds and the Texas Tech Foundation. Loan funds are administered by the U.S. Office of Education.

Applicants must show genuine evidence of need. They must also demonstrate the capacity for good academic achievement through actual performance. In addition, the integrity and reliability of the applicant

will be considered by the Loan Fund Committee, which has the final disposition of each application.

Need is determined by a financial statement completed by the parent or guardian of the applicant and by a budget which the applicant completes for the period for which aid is requested. Good academic achievement of undergraduate students is interpreted as having or being capable of achieving an average of 1.50 (C+) or better at Texas Tech. Graduate students must have or be capable of achieving an average of 2.50 (B+) or better at Texas Tech. The student is expected to contribute to the financing of his college education by obtaining summer employment unless he is attending college. The parent or guardian of the applicant is expected to contribute to the applicant's education in an amount the financial statement, completed by the parent or guardian, would seem to indicate can be afforded. Should there be any change in need as reflected in the application or in the financial statement which the parent or guardian has provided, the applicant is required to indicate these changes to the Chairman of the Student Loan Fund Committee immediately.

Special consideration is given to students with a superior academic background who express a desire to teach in public elementary or secondary schools, and to students whose academic background indicates a superior capacity or preparation in mathematics, engineering, the sciences, or a modern foreign language.

Applicants must also be enrolled for a full course of study. A full course of study is interpreted as being a minimum hour-load of twelve (12) semester hours and completion of the requirements for the degree in the normal length of time. Students enrolled only in summer school, the evening program, or correspondence courses are not considered full-time students.

The maximum amount of money any one student may borrow for one

government fiscal year may not exceed \$1000. The total maximum amount of money available to any one student may not exceed \$5000. The actual amount loaned to any one student will be determined by the Loan Fund Committee. Loans carry interest at the rate of 3 per cent and may be repaid over a ten-year period following termination of attendance as a full-time student in an institution of higher learning. Interest begins to accrue one year after the date when the borrower ceases to be a full-time student in an institution of higher education. The first yearly repayment installment falls due 24 months after the date the borrower ceases to be a full-time student in an institution of higher education. Students are encouraged, however, to repay loans as quickly as possible in order that the College can assist other worthy students. If the student enters the teaching profession at either the public elementary or secondary level, 10 per cent of the loan will be canceled for each year of service as a full-time public elementary or secondary teacher. In this manner, a maximum of 50 per cent of the loan may be canceled.

Applications should be made to the Assistant Dean of Student Life before July 15 for the fall semester, Nov. 15 for the spring semester, and May 1 for the summer session.

Kenneth M. Renner Memorial Loan Fund. This fund was established by donations from alumni, former students, industry, friends of the late Professor Renner, and funds from the Dairy Industry Club. This fund is available to junior and senior students majoring in dairy industry. Applications should be made to the Head of the Department of Dairy Industry.

Perry E. Roddy Loan Fund. The Lubbock County Association for Mental Health has established a loan fund in the name of Perry E. Roddy for students preparing for work in some area of mental health. Applications can be obtained from the Assistant Dean of Student Life.

Rotary Student Loan Fund. This loan fund, established by the Lubbock Rotary Club, is available to upperclassmen, primarily of late junior and senior classification. Applications for Rotary student loans should be made to the Dean of Student Life.

Student Emergency Loan Fund. This loan fund is available to any student in the College who has need of a short-time, small loan. This loan fund is made possible through the proceeds from the sale of freshmen caps. Application for a Student Emergency Loan should be made to the Assistant Dean of Student Life.

Student Memorial Loan Fund of \$25,000 was made available to the College by the will of the late Will C. Hogg of Houston. It is administered by the Board of Directors appointed in accordance with the directions of Mr. Hogg's will. The fund is available to upperclassmen only. Application should be made to the Assistant Dean of Student Life.

The Kathryn Sowder Whatley Loan

was established by request of the late Mrs. Eppie Sowder of Lubbock. The fund was established for deserving boys and girls who wish to attend Texas Technological College. Application should be made to the Assistant Dean of Student Life.

Vocational Rehabilitation Aid

The Texas Education Agency through the Vocational Rehabilitation Program offers assistance for tuition and fees to students in Texas colleges who have certain physical disabilities. Application for services of this division should be made to the nearest Office for Vocational Rehabilitation under the Texas Education Agency. The local office is located in the Great Plains Life Bldg.

Assistance for this phase of the program of vocational rehabilitation is based on physical disabilities resulting in a vocational handicap and on established financial or economic need.

STUDENT LIFE

The Office of the Dean of Student Life is concerned with the general welfare of the student. The staff exerts its efforts toward seeing that every phase of the college experience represents an opportunity for the growth of the student; it bases its program on the premise that all of college life, both in and out of class, represents a real and significant part of educational development.

The Office of the Dean of Student Life affords counseling and guidance service to all students enrolled in the College. Through conferences, staff members are in a position to refer the student to the many service agencies interested in his welfare. In addition to giving counsel and guidance on personal, social and individual problems, the staff is prepared through training and experience to bring the student to full understanding of himself as a part of the rich opportunity which is a college education.

The philosophy of the staff of the Dean of Student Life is built upon the fundamental idea of giving the student the greatest opportunity for growth as he makes the many important decisions that are a part of college life. Through its program the staff of the Dean of Student Life seeks to provide the student with the maximum opportunity for the development of his intellectual, social, moral, and spiritual potentialities.

It is the philosophy of the staff that their purpose is to assist the student in meeting his problems in an intelligent and constructive way; and in such a manner as to give him the greatest opportunity for individual growth and development in reaching his own solutions. Through its program the staff of the Dean of Student Life seeks to make possible the

student's maximum opportunity for academic achievement.

Residence Hall Supervisory System

Texas Technological College houses approximately 4,500 of its students on campus in 13 residence halls well designed for the purpose. The main objective of the residence hall system is to provide an atmosphere of living consistent with and conducive to the best academic achievement. The College believes that the experience in group living is an important part of the development of the mature person and that the self-discipline inherent in residence hall life is wholesome.

The residence halls are supervised by a staff of trained and experienced personnel. The seven men's residence halls are under the direction of the assistant dean of men; the six women's residence halls, of the assistant dean of women. The supervisors in the men's residence halls and the counselors and graduate assistants in the women's residence halls are selected on the basis of their professional training for, experience in, and special qualifications for the counseling and guidance of college students. The residence-hall program encourages the full development of the student as an individual and as a member of the group.

Each of the residence halls, both men's and women's, has its own student government which sets the pattern of living and sponsors a program of cultural, social, and recreational events. Texas Technological College is dedicated to the precept that the most productive group relationship is that which affords the maximum opportunity to learn how to live with others.

Student Activities

The program of student activities at Texas Technological College is sufficiently large and well-rounded to present an opportunity for the constructive expression and development of all types of student interests. The College believes that a carefully selected and balanced program of activities not only will stimulate the student to his best achievement academically but will so develop and direct his abilities as to make his experience both in college and after graduation happy and successful.

The activities program is patterned in a manner which encourages democratic processes and develops leadership and citizenship. Through student leadership these activities are geared to the best development of the individual student both as a leader and as a member of a group functioning together democratically.

Eligibility for Participation In Extra-curricular Activities

The program of student activities is designed to supplement the student's academic program and to provide him with an opportunity to use constructively the time and talent not utilized in his course of studies. It assumes that the student is making satisfactory progress in his courses and toward his degree. His eligibility for participation is set forth in the constitution under which the activity is recognized by the College or in a procedure approved by the College. The basic requirement for eligibility for participation in extra-curricular activities is summarized here.

Any undergraduate student not on disciplinary probation, who is regularly registered for 12 or more semes-

ter credit-hours, is eligible to become a candidate for or to hold student office, or may represent the College in any extra-curricular activity, provided such student has a grade average of at least 1.00 for both the whole of his work completed at Texas Technological College and that of the preceding semester on the complete scholastic load.* A student whose average during his last preceding semester in residence before a summer session is less than 1.00, may establish eligibility for extra-curricular activity during the following fall semester by attending one or both terms of the summer session and making grades that will bring his average for the preceding semester and the summer term or terms together to 1.00.

A student who has established this eligibility may represent the student body or any recognized organization, department, or activity in the College, or may hold an elective or appointive position or office. This eligibility must be satisfied by a student who serves as a College or class officer or representative, or as an officer or representative of a recognized club or organization, or as a member of an academic, departmental, or intramural athletic squad or committee.

A student holding a bachelor's degree is ordinarily not eligible to hold office in a student organization or to participate in college-sponsored extra-curricular activities in general.

To be eligible to participate in out-of-town trips or field trips which require absence from any other class than that for which the trip is assigned, a student must have the grade average of 1.00 as outlined above, must not be on disciplinary probation, and must have a current academic standing which is satisfactory to his academic dean.

*The average grade is determined by multiplying the grade points by the number of hours in each subject as shown by the grades; the total of all grade points is then divided by the total of all the hours in which the student has received grades of A, B, C, D, Incomplete, F, and WF, and including repeatedly each re-registration in the same course with a grade of F in the total. A transfer student may establish eligibility by having a C (1.00) average on all courses at the mid-semester of his first semester in residence.

Exceptions to this academic requirement for off-campus trips are student-organization sponsored trips approved by the College and beginning Saturday noon and ending Monday morning at 8 o'clock; or scheduled between the end of the last scheduled final examination and the beginning of the next registration.

The requirement for Eligibility for Participation in Extra-curricular Activities is basic for all college activities with exception of those for intercollegiate athletics, which are set by the athletic conference of which Texas Tech is a member. Other eligibility requirements as determined by student organizations and agencies operate within the framework of the eligibility requirement set by the statement made here.

Eligibility for Intercollegiate Athletics

An undergraduate student not on disciplinary probation may compete in intercollegiate athletics if he is regularly enrolled, and if he satisfies Southwest Conference eligibility requirements. Participation in intercollegiate athletics is governed by the athletic conference rules followed by the College and administered by the Athletic Council. No student may make a public appearance in an intercollegiate athletic activity unless he has been certified by the Faculty Committee of the Athletic Council. The responsibility for securing this certification shall rest with the student concerned and with the Faculty Committee of the Athletic Council.

Student Association

All undergraduate students enrolled in the College are automatically members of the Student Association of Texas Technological Col-

lege. The Student Council is the executive council of the Student Association.

Through the funds it receives from student services fees the Student Council supports worthy student enterprises and organizations. It also plans, publicizes, and supervises student elections.

The Student Council sponsors, directs, and supervises deserving student activities in the administration of student affairs. It appoints from its membership representatives on the Athletic Council, the Executive Council of the Board of Student Organizations, the Discipline Committee, the Student Welfare Committee, the Student Publications Committee, the Union Board, the Committee on Student Organizations, and the Student Traffic Court.

Association of Women Students

Every woman who is regularly enrolled in Texas Tech automatically becomes a member of the Association of Women Students. The purposes of the association are: to stimulate a spirit of unity and fellowship among all the women students, to further a sense of responsibility and awareness in campus and community affairs, to formulate and maintain those high standards that are conducive to living together on campus, and to serve as a coordinating body in all activities concerning women students.

The governing body is composed of elected officers and representatives from every women's organization. The Texas Tech Association of Women Students is a member of the Intercollegiate Association of Women Students, a national organization made up of member schools throughout the United States.

Through the Big Sister — Little Sister program and the Howdy Party, the Association assumes responsi-

bility for assisting the new freshmen to become oriented to college life.

Other activities include Women's Day and Dad's Day programs, training workshops for legislators and officers of the women's residence halls, and various college service projects.

Board of Student Organizations

The Board of Student Organizations is composed of the presidents, or their representatives, of all recognized student organizations on Texas Tech campus. The function of this organization is fourfold: It furthers the welfare of student organizations on Texas Tech campus and encourages and inspires the highest levels of student organization functioning and achievement; it coordinates in making effectual in a practical way all things important to student organizations and the student body of Texas Technological College; it serves as a medium of communications between the administration and the students in recognized College organizations, between the Student Council and members in recognized College organizations, and between the students in recognized organizations and the Student Council; and it trains, encourages, and inspires student leadership in recognized College organizations, as a service to the student body and administration.

The function of the Executive Council of the Board of Student Organizations is to set policies, plan the meetings of the board, and determine the agenda for each meeting, and in general direct the business of the organization.

The Union

The Union Building is the campus facility designed to provide the college population with the maxi-

mum in recreation and leisure-time activities. In physical facilities the Union provides food service, lounge space, meeting-room space, ballroom, games room, and many special services. In addition, the Union program provides a schedule of activities for the student body. These activities are selected, planned, and executed by volunteer students with the help of a full-time program director. This group of students is co-ordinated by a Program Council made up of an executive committee and chairman from the following committees: Arts and Entertainment, Building Decoration, Dance Decoration, Friday Night Dance, Games and Tournaments, Hospitality, Special Events and Lectures, Tuesday Night Dance, Movie, Western Dance, and International Interest.

The Union is under the operation of a full-time director with a staff consisting of an assistant director, a program director, food supervisor, bookkeeper, secretary, and student assistant.

The entire operation of the Union is aimed at providing students with the opportunity to advance in leadership, social skills, and organization in the belief that it will enable them better to assume the responsibilities of their community.

At the present time, construction of an addition to the Union is under way that will more than double the size of the existing Union Building. The expansion includes new food service facilities, activity areas, and meeting areas. The completion date for this expansion has been tentatively set for the Fall of 1961.

Intramural Sports Program

Under supervision of the directors of intramural sports, the Departments of Health, Physical Education, and Recreation for Men and Health, Physical Education, and Recreation for Women offer an intramural program with attrac-

tive opportunities for participation in recreative physical activities. Participation is voluntary and open to all students enrolled in the College. The objective of this program is to make available to every student a sport he enjoys, a team on which to play, and fair and even competition.

Competition is conducted in individual, dual, and team sports to enable the student to participate on a cooperative-competitive basis in a wide variety of activities. Such competition is scheduled during non-class hours and is designed to permit the student to choose the sport best suited to his interests and abilities.

Publications

The **Toreador**, college newspaper, is published by officers chosen from the student body. **La Ventana**, college yearbook, is a student-assembled record of the events and activities of the year. Editors and business managers of **La Ventana** and **The Toreador** are selected on the basis of applications made to the Committee on Student Publications, a faculty-student committee. These two college publications afford valuable training in reporting, editing, and business management.

Musical Organizations

All musical organizations are open to any student officially enrolled in the College who meets academic requirements. Each organization is under direction of a faculty member of the Department of Music.

The official touring musical organizations for the College are the Choir, the Madrigal Singers, The Tech Opera Theater, the Tech Symphony Orchestra, and the Concert Band. Other musical groups in which students may participate are the Men's Glee Club, Women's Glee Club, Tech

Singers, Stage Band, Court Jesters, and Symphonic Winds. Most of these ensembles allow 1 semester - hour credit per semester. Each group performs a broad repertoire and makes a number of public performances annually.

Forensic and Dramatic Activities

Opportunities are open to all students in the College, meeting general eligibility requirements, for participation in both intramural and inter-collegiate forensic activities. These include group discussions, debate, extempore speaking, impromptu speaking, oratory, radio speaking, after-dinner speaking, prose and poetry reading, and similar events. Both contest and non-contest events are held on campus and at other colleges. The **Texas Tech Forensics Union** and **Delta Sigma Rho** are active in sponsoring campus-wide speech activities.

Every College student meeting general eligibility requirements is invited to participate in the plays presented by the Speech Department and its related organizations, **Sock and Buskin** and **Alpha Psi Omega**. Participation may include acting, stage make-up, lighting, scene design and construction, publicity, ticket sales, and other necessary activities in the production of plays. Usually four full-length plays and several one-act plays are produced each season.

Cultural Opportunities

Through such agencies as Civic Lubbock, Lubbock Symphony, Lubbock Little Theatre, the Union program, Texas Tech Museum, and the Texas Tech Music and Speech Departments, students have access to many artistic and cultural ex-

periences. During the past year Texas Tech students have had the opportunity of attending programs, mostly at special student rates, including: "Elsa Lanchester"; "Fred Waring's Stereo Festival"; "All Sides of Shelly Berman"; Mozart's "Don Giovanni" by the Goldovsky Grand Opera Theatre; "The Pleasure of his Company" with Joan Bennett; "J. B." with John Carradine; "Once Upon a Mattress" with Imogene Coca and Edward Everett Horton; "King Donovan"; "The Andersonville Trial," with Brian Donlevy; and "Fiorello." The Tech Union Program Council sponsored a Brothers Four Concert; Carlos Montoya, Spanish Flamingo guitar concert; Theodore Ullman, piano concert; and co-sponsored the Fine Arts Festival.

Resources of the College and the community of which it is a part give Texas Tech students opportunity for cultural development.

Willson Lectures — Religious Emphasis Week

Highlighting the religious program at Texas Tech each year is a series of four lectures given by a lecturer of national distinction in the fields of science and religion, brought to Texas Tech each year with the income from an endowment set up by Mr. and Mrs. J. M. Willson of Floydada.

The Campus Religious Council, composed of students and faculty from the denominations represented by recognized student religious organizations, direct a campus-wide religious program which includes morning watches and speakers on religion.

A team of carefully selected supporting speakers round out the personnel for Religious Emphasis Week activities.

Engineers' Show — Home Economics Open House

Each spring the Engineering Society sponsors a two-day showing of

engineering exhibits to the public. Annually some 10,000 visitors see this student-planned and produced display of engineering talent.

On the same weekend the Home Economics Club holds Open House for all visitors to the campus. Demonstrations in all fields of home economics are on display on this occasion.

Recognition Service

Recognition Service each spring honors those students who rank scholastically in the upper 3 per cent of their class within their school during either of the preceding two regular semesters and who have a 2.25 or better average in the other semester. Students being recognized for the first time receive Individual Honors; those recognized for the second time receive Class Honors; those recognized for the third time receive School Honors; and those recognized for the fourth time receive College Honors. Students recognized with College Honors are presented a gold key by the College.

Student organizations two-thirds of whose membership make a 2.00 or better average during these semesters are also honored on this occasion. Athletic letters and other athletic awards are presented by the Athletic Council at this service. Undergraduate students granted scholarships by the College are recognized on the basis of having made an all-college average of 2.00 or better for the spring and fall period.

The College Awards Board, a student-faculty committee, recognizes outstanding individual students and student organizations performing in student affairs with such quality as to add distinction to the College. As a part of the Recognition Service, the Student Council honors those students who have made significant contributions in leadership to the student body.

Clubs and Societies

Recognition of student clubs and societies and the plan under which they function is the assignment of the Committee on Student Organizations, a student-faculty committee appointed by the President of the College. Recognition of a student organization automatically gives it the right and responsibility to schedule on the Social Calendar, and entitles it to the sponsorship of College faculty and administration, and to the use of such College facilities as may be designated for that purpose. The recognition of a club or society on Texas Technological College campus is based on the assumption of the Committee on Student Organizations that such an organization satisfies a student need for professional, scholastic, social, religious, service, or common-interest expression consistent with the best college achievement.

Professional, scholastic, and honorary organizations are responsible also to the dean of the school with which by virtue of their nature they are associated.

The Board of Student Organizations, composed of the presidents of all recognized clubs, serves as a coordinating agent for student organizations recognized by the College, the chairman of the executive committee of the Board serving as a member of the Committee on Student Organizations. The Interfraternity Council and the Panhellenic Council serve as governing boards for the national social fraternities and sororities. The Student Religious Council serves to coordinate the activities of those student religious groups who are active on the campus and who elect to participate in campus-wide student religious activities. The Inter-Residence Council serves as coordinating agent for the residence hall associations.

Detailed information on the procedure by which a student group may be recognized by the College is

available through the chairman of the Committee on Student Organizations.

The Code of Student Affairs is a bulletin stating the college policies on procedures and regulations as they affect both individual students and recognized student organizations.

I. Honorary Organizations: An honorary organization is an organization, local or national in scope, whose membership is based on selectivity, either by scholarship, leadership, service, high moral character, or some combination of the four. Those whose selection is based on academic excellence alone usually must meet a minimum requirement of from 2.25 to 2.50. The departmental honoraries usually require a 1.00-1.50 overall average but establish higher requirements in the academic area of the honorary. Many of the honoraries are restricted to electing to membership a certain percentage of a class or department. Selection may be based on certain minimum requirements but meeting them does not automatically insure membership. Vote of the members and extension of an invitation are necessary for membership in most of the following:

Departmental Honoraries

Alpha Epsilon Delta (Pre-Medicine)
Alpha Pi Mu (Industrial Engineering)
Alpha Psi Omega (Speech)
Beta Gamma Sigma (Commerce)
Eta Kappa Nu (Electrical Engineering)
Kappa Mu Epsilon (Mathematics)
Phi Alpha Theta (History)
Pi Delta Phi (French)
Pi Omega Pi (Business Education)
Pi Sigma Alpha (Government)
Sigma Delta Pi (Spanish)
Sigma Gamma Epsilon (Geology)
Sigma Pi Sigma (Physics)

Scholastic Honoraries

Alpha Lambda Delta (Freshman Women)
Phi Eta Sigma (Freshman Men)
Phi Kappa Phi (Junior, Senior, and Graduate Men and Women)
Tau Beta Pi (Engineering)

Service Honoraries

Junior Council (Junior Women)
Mortar Board (Senior Women)

II. Department, School and/or Professional Organizations: Departmental and school clubs are defined as those clubs which are sponsored by a department or school and are means of disseminating information concerning fields of activity to be found in the department or school. They may or may not have professional standards which are requirements for membership. The constitution of a departmental, school, or professional club will determine the basis of membership.

Agricultural Club (School)
 Agricultural Economics Club (Departmental)
 Agronomy Club (Departmental)
 Alpha Delta Sigma (Advertising — Professional)
 Alpha Zeta (Agriculture — Professional)
 American Chemical Society (Student Branch — Departmental)
 American Institute of Architects (Student Branch — Departmental)
 American Institute of Chemical Engineers (Student Branch — Departmental)
 American Institute of Electrical Engineers (Student Branch — Departmental)
 American Institute of Industrial Engineers (Student Branch — Departmental)
 American Institute of Mining and Metallurgical Engineers (Student Branch — Departmental)
 American Institute of Physics (Student Branch — Departmental)
 American Marketing Association (Student Branch — Departmental)
 American Society of Agricultural Engineers (Student Branch — Departmental)
 American Society of Civil Engineers (Student Branch — Departmental)
 American Society of Mechanical Engineers (Student Branch — Departmental)
 Applied Arts Workshop (Departmental)
 Arnold Air Society (Air Force ROTC — Departmental)
 Association of the United States Army
 Beta Alpha Psi (Accounting)
 Block and Bridle (Animal Husbandry — Departmental)
 Capa y Espada (Spanish — Departmental)
 Dairy Industry Club (Departmental)
 Delta Sigma Pi (Business Administration — Professional)
 Delta Sigma Rho (Speech — Departmental)
 Department of Music Student Executive Council (Departmental)
 Der Liederkrantz (German — Departmental)
 Engineering Society (School)
 Future Farmers of America (School)
 Future Teachers of America (Departmental)
 Home Economics Club (School)
 Kappa Alpha Mu (Photography — Professional)
 Kappa Kappa Psi (Band — Professional)
 Le Cercle Francais (French — Departmental)
 Major-Minor Club (Women's Physical Education — Departmental)
 Mu Phi Epsilon (National Women's Music Fraternity — Professional)
 Optimates (Latin — Departmental)
 Phi Alpha Kappa (Professional — Finance)
 Phi Epsilon Kappa — (Men's Physical Education — Departmental)
 Phi Gamma Nu (Business Administration Women — Departmental)

Phi Mu Alpha (Men's Music Fraternity — Professional)
 Phi Psi (Textile Engineering — Departmental)
 Phi Upsilon Omicron (Home Economics — Professional)
 Pi Epsilon Tau (Petroleum Engineering — Professional)
 Pre-Med Club (Departmental)
 Psi Chi (Psychology — Departmental)
 Scabbard and Blade (Departmental)
 Sigma Alpha Eta (Speech — Departmental)
 Sigma Delta Chi (Journalism — Professional)
 Sigma Iota Epsilon (Management — Professional)
 Sigma Tau Delta (English — Professional)
 Society of American Military Engineers (Departmental)
 Society of Economic Paleontologists and Mineralogists (Departmental)
 Sock and Buskin (Dramatics — Professional)
 Tau Beta Sigma (Women's Band — Professional)
 Texas Tech Accounting Society (Departmental)
 Texas Tech Ad Club (Departmental)
 Texas Tech Biology Club (Departmental)
 Texas Tech Entomology Club (Departmental)
 Texas Tech Geology Club (Departmental)
 Texas Tech Horticulture Club (Departmental)
 Texas Tech Retailing Club (Departmental)
 Texas Tech Sociology Club (Departmental)
 Textile Engineering Society (Departmental)
 Theta Sigma Phi (Women's Journalism — Professional)
 Tyrian Rifles (Departmental)

III. Mutual Interest: A mutual-interest club is any organization whose members are brought together on the basis of common interest in an activity consistent with the objectives of a college education.

Air Force ROTC Association
 Alpha Chi Omega (Greek Letter Social Sorority)
 Alpha Phi (Greek Letter Social Sorority)
 Alpha Phi Omega (Men's Service Organization)
 Alpha Tau Omega (Greek Letter Social Fraternity)
 Amateur Radio Club
 Angel Flight
 Army ROTC Association
 Baptist Student Union
 Book Reviewers Club
 Canterbury Club (Episcopal)
 Channing Club (Unitarian)
 Christian Science Organization
 Circle "K" Club (Service)
 Cosmopolitan Club (International)
 Delta Delta Delta (Greek Letter Social Sorority)
 Delta Gamma (Greek Letter Social Sorority)
 Delta Tau Delta (Greek Letter Social Fraternity)
 Disciples Student Fellowship (Christian Church)
 Dolphin Fraternity (Swimming)
 Double "T" Association (Athletic Lettermen)
 Gamma Delta (Lutheran)
 Gamma Phi Beta (Greek Letter Social Sorority)
 Kappa Alpha Theta (Greek Letter Social Sorority)
 Kappa Kappa Gamma (Greek Letter Social Sorority)
 Kappa Sigma (Greek Letter Social Fraternity)
 KTTC (College Radio Station)
 Lutheran Students Association
 Modern Dance Club

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Newman Club (Catholic)
Phi Delta Theta (Greek Letter Social Fraternity)
Phi Gamma Delta (Greek Letter Social Fraternity)
Phi Kappa Psi (Greek Letter Social Fraternity)
Phi Mu (Greek Letter Social Sorority)
Pi Beta Phi (Greek Letter Social Sorority)
Pi Kappa Alpha (Greek Letter Social Fraternity)
Presbyterian Student Association
Saddle Tramps (Men's Service Organization)
Sigma Alpha Epsilon (Greek Letter Social Fraternity)
Sigma Chi (Greek Letter Social Fraternity)
Sigma Kappa (Greek Letter Social Sorority)
Sigma Nu (Greek Letter Social Fraternity)
Texas Tech Forensics Union
Texas Tech Rifle Club
Texas Tech Rodeo Association
Texas Tech Ski Club
Town Girls Club
Wesley Foundation (Methodist)
Zeta Tau Alpha (Greek Letter Social Sorority)

IV. Student Organization Coordinating Agencies: Nine agencies for the

coordination of the activities of student organizations in the same classifications are recognized by the Committee on Student Organizations.

Association of Women Students
Board of Student Organizations
Campus Religious Council
Interfraternity Council
Men's Residence Council
Bledsoe Hall Association
Carpenter Hall Association
Gaston Hall Association
Gordon Hall Association
Sneed Hall Association
Thompson Hall Association
Wells Hall Association
Women's Residence Council
Doak Hall Association
Drane Hall Association
Horn Hall Association
Knapp Hall Association
Weeks Hall Association
West Hall Association
Panhellenic Council
Student Association
Tech Union Council

ACADEMIC REGULATIONS

Each student accepted for admission will enroll in one of the six schools of the College: Agriculture, Arts and Sciences, Business Administration, Engineering, Home Economics, or Graduate. In all matters pertaining to the academic areas listed below, the student should consult regularly with the dean of the school in which he is enrolled.

Matters requiring the academic dean's approval include the following:

- Absence from class.
- Honorable dismissal.
- Withdrawal from college.
- Scholastic requirements.
- Scholastic reports.
- Change in schedule.
- Dropping and adding courses.
- Approval of registration and assignment to classes.
- Student load.
- Curriculum requirements.
- Guidance programs and assignment to advisers.
- Graduation requirements and candidacy for degree.

Absence Regulations

Responsibility for class attendance rests with the student. Regular and punctual attendance in classes is expected. Failure to so do may result in the dropping of the student from a class or even from college.

It is the responsibility of the instructors to report to the student's dean the absences of a student whenever they jeopardize the individual's standing in the class. Continued absences may result in the dropping of the student from the class by his dean.

The penalty incurred by the student in such cases will be the receipt of a WF in all such courses dropped, and should this action reduce the student's load to less than 12 semes-

ter hours, his extra-curricular privileges would be lost. In extreme cases suspension from the college by his dean may be indicated.

There are no "excused absences," but when absences are official in nature or due to illness, the student can secure from the sponsor of the official activity or from the College Infirmary evidence which, when presented to his instructors, will establish his eligibility to make up work missed.

Changing Courses and Sections

A further primary responsibility of the student is that of securing a complete and accurate program at times of registration. Once this program has been approved, changes may be made only with the consent of the student's dean. If the request for a change or changes originates with the student, it must be consummated within the time limits specified in the college calendar and a fee of \$3 will be charged for each approved request. The college reserves the right to make adjustments in the student's schedule, in which case no charge is made.

With the consent of his dean a student may drop a course. If this occurs within five weeks of the beginning of a semester, the grade on the course will be W; if it is after the first five weeks, the grade will be W or WF depending upon the circumstances, as explained below. Courses cannot be dropped during the last two weeks of a semester or during the last week of a summer term.

All changes in schedules and the adding or dropping of courses must be done by the student in person and are not official until all formalities have been completed.

Grades

The grades used, with their interpretations, are: A, Excellent; B, Good; C, Fair; D, Inferior (Passing but not necessarily satisfying degree requirements); Pr., In Progress; Inc., Incomplete; W, Withdrawal; WF, Withdrawal Failing; F, Failure; R, Repeated to remove Inc.

Transfer grades from other colleges are accepted according to the letter of the grade recorded rather than the numerical equivalent.

A student must receive a grade for each course for which he is regularly enrolled during any semester or summer term but only if he is so enrolled can a grade be given. A passing grade may be given only if the student is still enrolled in the course at the end of the semester or term and has done satisfactory work. A grade, once given, may not be changed without the approval of the student's dean.

Grades of Pr., Inc., and R.

The grade of Pr. is given only in cases where the work in a course extends beyond a given semester or summer term and implies satisfactory performance. This grade is used primarily in connection with theses and dissertations.

The grade Inc. is given only in cases where a student's work is satisfactory in quality but, due to reasons beyond his control, insufficient in quantity. It is not to be given in lieu of F and can only be given with advance approval of the school's dean and an explanation of the conditions for the removal of the grade of Inc. After the grade of Inc. has been recorded for one year, it will be considered an F until it has been removed or replaced by an R.

Should the course in which the grade of Inc. has been received be repeated for credit, the grade of Inc. will be changed to R and the appro-

priate grade given for the second registration.

Grades of W, WF, and F

The grade of W will be given for each course dropped during the first five weeks of a semester and for a course dropped at any time provided the student is doing passing work on the date the course is dropped. The grade of WF will be given when the student is not doing passing work at the time the course is dropped, or when the student is required to drop a course by his dean for failure to attend the class. The grade of F indicates failure of a course.

Grade Points

The grades of A, B, and C carry with them grade points of 3, 2, and 1, respectively, for each semester hour of credit value of the course in which these grades may be received. All other grades have no grade points assigned to them.

Grade-Point Averages

The grade-point average for a semester is obtained by dividing the total number of grade points acquired during the particular semester by the total number of semester hours of all courses registered for that semester. In the same manner, the overall grade-point average is obtained by dividing the total number of grade points made on all courses taken at this College by the total number of semester hours of all courses registered for at this College with all repeated registrations counted in the total.

Courses may be repeated for credit in residence with permission of the academic dean. When calculating the

grade-point average for meeting graduation requirements, only the last grade made and the last registration will be considered when courses have been repeated. With the approval of the student's academic dean, grade-point deficiencies for meeting graduation requirements may be made up by taking additional courses. Both grade points and semester-hours credit obtained from such courses are considered in calculating the grade-point average.

Grade-point averages of transfer students will be based upon work completed at this College only.

When students transfer from one school to another within this College, grades of F and WF are disregarded in the determination of grade-point averages for graduation provided they were made prior to the first such transfer. Grades of F and WF made subsequent to the first transfer will, however, be considered.

The Semester Hour and Semester-Hour Load

The semester hour is the unit of measure for credit purposes. For each classroom hour of lecture or recitation, approximately two hours of preparation are expected. Because the time requirement in laboratory work is subject to considerable variation, no fixed laboratory-classroom ratio is set up. Courses, whether with or without work in laboratory, are expected to secure from the student, on the average, a minimum of three clock hours of work a week per semester for each semester hour of credit provided by the course.

The number of semester hours which may be carried by a student is regulated by his academic dean. Many factors are involved in adjusting a student's load. The primary factor is the quality of work performed by the student. Others take into consideration the type of courses involved, the curricular program being followed by the student, the

health of the student, and his extra-academic interests. A student who is employed in any capacity must keep his academic dean informed at all times about the nature of his employment and his working hours.

Designation of Courses

Courses are designated by a name and a number. The name more commonly used is that of the department in which the course is given, though a more descriptive title may be added. The number reveals three characteristics of the course. The first digit indicates the academic level of the course. If this is a zero, credit for the course is not applicable toward a degree. First digits of 1, 2, 3, 4, indicate that the course is primarily designed for the freshman, sophomore, junior, or senior year, respectively. A number of 5 or above designates the course as being for graduate students. The second digit shows the semester-hour credit of the course. The remaining digit, or digits, represent the distinguishing numbers for that particular course.

Some courses are hyphenated while others are not. For credit to be received on either part of a hyphenated course, the entire course must be satisfactorily completed, though in rare instances the department offering the course may allow credit toward graduation for one part of the sequence.

Enrollment Without Credit

There are two ways of enrolling in courses without credit when permission is granted.

Visiting the Course as an Auditor. The first method, that of visiting the course as an auditor, is open to persons not regularly enrolled in the College and consists of the privilege of hearing or observing only, and not of handing in papers, taking part

in class discussions, laboratory field work, or receiving credit for the course. This permission may not be granted in case the class is crowded and is not granted to students enrolled in the evening courses nor in summer school courses which are scheduled for less than the regular six-week term.

Any person desiring to audit a course should first secure the necessary letter of permission from the dean of the school in which the course is given. After he secures the dean's approval he will report to the Cashier's Office and pay a fee of \$10 per course. This letter, properly stamped at the Cashier's Office, is the student's permit to visit the course.

Enrolling for No Grade. The other method is for students regularly enrolled in the College, either in the summer session or the long session, and entitles them to register for residence courses for no grade and therefore for no credit. Such registrations are to be considered on the same basis as registrations in credit courses in making the student's schedule, both in payment of fees and in consideration of the amount of work to be carried. Class cards for such student shall be indicated by the Registrar as "no grade"; such registrations shall not be changed to carry grades after the designated date for adding or dropping a course. A student registered in a course for no grade shall have the privilege of taking part in class discussions, submitting class exercises, and taking quizzes and examinations if he desires.

Physical Education Required

With the exceptions noted below, physical education activity work is a required course for all freshmen and sophomores, both men and women, in addition to the minimum number of hours required in academic

subjects for a degree. Four semesters of physical education constitute part of the requirements for all degrees unless one of the following conditions prevails:

1. When approved by a student's academic dean, band may be substituted for physical education.
2. Air science and military science, the basic courses, may be taken in place of physical education by any qualified male student. Once entered upon, the satisfactory completion of these basic courses, two years, becomes a requirement for graduation, unless specifically excused by the Department of Air Science or Military Science and the academic dean concerned.
3. Veterans of the Armed Forces may receive credit for this required work on time spent in military service. See **Credit for Educational Achievements During Military Service**.
4. Students who have a doctor's recommendation for limited physical education must enroll in Physical Education 011 (men) or 2113 (women). Students may receive 4 semester hours' credit for these courses by repetition.
5. A student over 25 years of age may of his own volition prefer not to take physical education activity courses. In such cases 3 semester hours of academic work in physical education, preferably Physical Education 133, must be completed by the student.

Credit in physical education activity courses or substitutes therefor is accepted in transfer to the extent that it meets degree requirements, but grade points accumulated in such courses above a C average may not be applied to reduce a deficiency in grade points in other subjects.

SCHOLASTIC REGULATIONS AFFECTING UNDERGRADUATES

Definitions

The student making **normal** progress will complete one-fourth of the semester hours and grade points required for his degree objective during each calendar year. On this basis, students are designated as freshmen, sophomores, juniors, and seniors according to the following criteria:

Freshman: A student who has an insufficient number of semester hours to his credit to be classified as a sophomore.

Sophomore: A student who has completed not less than 32 semester hours.

Junior: A student who has completed not less than 64 semester hours.

Senior: A student who has completed not less than 96 semester hours and who has achieved a minimum grade-point average of 1.00 ("C").

A student is considered to be making **satisfactory** progress toward a degree objective when he enrolls for at least 12 credit hours in each semester, when he achieves a grade-point average of 1.00 or above in each semester, and when he maintains a cumulative grade-point average of at least 1.00.

A **full-time** student is one who is enrolled for 12 or more credit hours in a given semester.

A **part-time** student is one who is enrolled for fewer than 12 credit hours in a given semester.

Principles

The regulations appearing below reflect certain principles according

to which the College evaluates the student's accomplishments in relationship to institutional scholastic standards.

1. As long as its resources permit, the College wishes to give each bona-fide applicant for admission the opportunity to demonstrate the capacity to do acceptable work.

2. The College believes that it is a part of becoming educated to learn to assume responsibility for one's own actions as rapidly as possible. Therefore, the scholastic regulations hold the individual student accountable for results, with a minimum of detailed inspection on the part of the College.

3. Believing that the College has a particular obligation to the able student, the regulations are designed to permit deans and advisers to devote substantial time and effort to their guidance and encouragement.

4. The regulations recognize that the beginnings of a student's career are more beset with discouragements and pitfalls than are the later semesters. Therefore, they are designed to give the beginning student a relatively more generous opportunity to find himself and demonstrate his worth.

5. Growing out of the principle that each student is to be given maximum responsibility for his own supervision, the regulations are kept so simple that each student can be expected to understand and apply them to his own situation. However, students are cautioned not to be deceived by this simplicity.

For example, grade points are not included in the formula for determining eligibility to enroll in a succeeding semester. Long experience has shown that a satisfactory number of grade points generally accompanies the passing of a satisfac-

tory number of credit hours. If, in spite of this probability, the student lets his grade-point average fall behind, his dean may at any time rule the student's standing unsatisfactory and require him to withdraw from school.

6. The regulations reflect the College's experience that a student's performance over a longer period of time (e.g., over a calendar year) probably will yield a better measure of his capacity than will his performance in a given semester. It is anticipated, therefore, that the conscientious student who may find himself in difficulty at any given time will recognize the encouragement which the regulations afford him and seek the counsel of his dean as he tries to improve his performance.

7. Finally, the regulations apply progressively more rigorous standards as the student moves toward his degree objective. Thus, he can not be classified as a senior until he has achieved the requisite grade-point average as well as the requisite number of semester credit-hours. Particularly in the advanced classes, "enrollment space" is at such a premium that it is wasteful to let a student occupy it unless there is reasonable prospect that he will meet graduation requirements.

Specific Regulations

The student's eligibility to enroll for a following semester, his suspension by his academic dean, and his reinstatement following suspension are set forth in the following specific regulations:

1. **Eligibility to register for the next semester:**
 - a. Normally determined at the close of each spring semester.
 - b. Depends upon
 - (1) Semester hours passed in spring semester or the last semester attended, and
 - (2) Total number of semesters for which the student has registered at all colleges, here and elsewhere.
 - c. Specific requirements for the student who originally registered for 12 or more semester hours during the last semester in attendance:

- (1) The student who has registered for only one semester of college work must have earned at least 6 semester hours of credit.
 - (2) The student who has registered for two, three, four, or five semesters must have earned at least 9 semester hours of credit during his last semester.
 - (3) The student who has registered for 6 or more semesters must have earned at least 12 semester hours of credit in his last semester.
 - d. The student who originally registered for less than 12 semester hours during his last semester in attendance must have earned credit for at least half of the semester hours for which he registered during that semester.
2. **Dismissal by the Dean:**
Any student who fails to perform his academic duties in a satisfactory manner may be dismissed by his academic dean at any time.
 3. **Periods of suspension:**
A student suspended by his academic dean, or a student not eligible to register because of his previous academic record as indicated above, may not apply for reinstatement until the following time lapses have occurred:
 - (1) First suspension: One semester.
 - (2) Second suspension: Two semesters and special action of the Admissions Committee.
 4. **Summer School attendance:**
 - a. The Texas Tech student who has had only one scholastic suspension may attend the summer session. He may lift his scholastic suspension and regain eligibility to attend the following fall semester by attending a full summer session at Texas Technological College and by earning at least 8 semester hours of credit.
 - b. The student who has had two or more academic suspensions may not regain eligibility by attending summer school.
 5. **Reinstatement:**
The evaluation of a student for reinstatement will be based upon his record at the close of a semester, or at the time of his withdrawal from college. To receive semester-hour credit in a course, a grade of either A, B, C, or D must be earned.
A student desiring reinstatement must apply to the Dean of Admissions at least 30 days before the opening of the semester for which he seeks to register. As a condition of his reinstatement, the student may be required to undergo such testing and counseling as the academic dean considers necessary.

Mid-Semester Reports

The Registrar's office will mail to all parents a mid-semester grade report. This is an informative report and does not become a part of the student's permanent record. Students will likewise receive a copy of this report.

Withdrawal From College

A student who finds it necessary to withdraw from the College before the close of the semester should apply to the dean of the school in which he is registered for permission to withdraw with honorable dismissal. A student under 21 years of age should first consult his parents and should bring with him a written statement showing that he has the permission of his parents to withdraw. If the dean is convinced that withdrawal is necessary, the student will be given honorable dismissal from the College, and his parents will be notified. Such withdrawal protects the student's record in case he desires to return to the institution or transfer to another institution at some future time. The grades recorded are given in accordance with the grade requirements in the preceding paragraphs, and the grades, whether W or WF, will be based on the student's standing on the last

day of enrollment in each of the specific courses in which he is registered.

A student who withdraws from a residence course with a grade of W may complete the course by re-registration through correspondence, provided the work is given by the same instructor who taught the residence course and provided also that the course is regularly taught by correspondence. The credit recorded will be correspondence credit.

Transfer from One School to Another

A student desiring to transfer from one school of the College to another must apply to the Dean of Admissions **before** the beginning of any registration period. Transfers are made in writing from the Dean of Admissions to the academic dean.

REQUIREMENTS FOR GRADUATION

Undergraduate Degrees

To receive any undergraduate degree in Texas Technological College, the student must meet certain uniform requirements together with others that may vary with the different schools of the College.

1. The minimum actual residence required of each student is two consecutive long-session semesters, or the equivalent. The minimum amount of work required is 30 semester hours in residence which must apply toward the degree sought. Among these must be the final, advanced courses in the major and minor fields.

A student who has already met the minimum residence and work requirements must also complete the last 30 hours at this College, as stated above, but may complete a maximum of 6 semester hours of the last 30 hours by correspondence provided such courses are normally offered by correspondence and provided further that these courses will not be the final courses in the major and minor fields.

2. A minimum grade-average of 1.00 is required in all courses in which the student has received grades at this College though, as explained under the headings, "Grade Points" and "Grade-Point Averages" (Page 46), certain provisions are made for grades of F and WF.

3. A candidate may not receive a degree prior to the semester following his application for the degree. This application should be completed not less than two semesters in advance of graduation.

4. Any work taken through the Division of Extension of Texas Technological College or other approved colleges will not be counted as residence work required for a degree in this College.

5. Certain departments in the Schools of Arts and Sciences, Busi-

ness Administration, and Engineering have established additional standards which students must meet in order to graduate with majors in these fields. Students majoring in these departments are expected to familiarize themselves with these regulations which are published at appropriate places in the various school bulletins concerned.

6. Implementing action of the Texas Legislature, 6 semester hours of work in government, covering the Federal and the Texas constitutions, are required of (1) all freshmen students entering the College on or after Sept. 1, 1954, and (2) all students receiving a Bachelor's Degree from the College after Sept. 1, 1957.

Students who receive a bachelor's degree from Texas Technological College after July 1, 1956, are required by action of the Texas Legislature to pass 6 semester hours of work in American history in addition to the 6 hours in government.

History 231 and 232 fulfill this requirement though History 235, *Texas History*, may be substituted for three hours of American history.

These requirements apply to all detailed statements of curricula published in the school bulletins.

7. No second bachelor's degree will be conferred until the candidate has completed at least 24 semester hours in addition to courses counted toward the first bachelor's degree.

8. Graduating seniors are required to complete Personnel Information Forms and present two 2" x 3" glossy photographic prints for filing with the Placement Office prior to receipt of degrees for the purpose of completing the personnel files of the College. This requirement applies to all students whether seeking a position or not.

9. Graduating students will be charged a graduation fee of \$5 for each degree granted. The fee will be

refunded provided the student cancels his graduation intentions before the diploma has been printed and before other related steps are taken.

If the student does not cancel his intention to graduate in time, he must pay \$2 for re-ordering the diploma insert only. If both the insert and the cover have to be re-ordered, the charge will be \$5 as in the initial order.

10. Diplomas are awarded at the regular commencement in May and again at the end of the summer session. Students completing requirements for a degree at the end of the fall semester will be awarded diplomas at the following May commencement.

11. To receive a degree, a student must either attend commencement exercises or receive approval for graduating *in absentia*. Application for *in absentia* graduation must be filed in writing with the dean of his school within the time specified in the College Calendar. Each student graduating *in absentia* will be charged an *in absentia* fee of \$1.50 to cover the cost of special handling required.

Graduation Under A Particular Bulletin

A student is expected to complete the degree requirements as set forth in a particular bulletin. Normally this will be the bulletin in effect the year the student first registers in the school from which he receives his degree. Only with the specific approval of the dean may a different bulletin be selected. In no case may a student complete the requirements

according to a bulletin more than seven years old. Whenever necessary, a later bulletin may be selected by the dean in conference with the student.

The current year for each bulletin begins with the fall semester, except that students entering the College for the first time during a summer session are subject to the degree requirements of the bulletin effective for the fall semester immediately following.

The College reserves the right to put into effect at any time any new regulation necessary for the welfare of the College and to substitute courses currently offered for those no longer offered.

Admission to Candidacy for Graduation

Any student who registers in the semester or summer session in which he plans to complete the work for a Bachelor's Degree but who has less than the number of grade points required for graduation will be granted only conditional admission to candidacy. In this status, the student's ordering of a diploma or making other plans for graduation will be entirely on his own responsibility.

The requirements for admission to candidacy for a Master's or Doctor's Degree are explained in the Graduate Bulletin.

Graduate Degrees

For requirements for graduate degrees, see the **Graduate Bulletin**.

ALL-COLLEGE PROGRAMS

Realizing that each and all of the various departments and schools of the College can contribute to the education of all students, programs of a more general nature are being developed which are not limited to the specific departmental areas.

Teacher Education

The preparation and in-service improvement of teachers is an important function at Texas Technological College, both at the graduate and undergraduate level. With the critical shortage of qualified teachers, and the rapidly increasing birth rate, the problem of providing qualified teachers for the classrooms of Texas communities becomes of critical importance to all institutions with programs in teacher education. At Texas Technological College, teacher education is an all-college responsibility in which many departments and offices cooperate.

This shared responsibility and high level of cooperation is made possible through the Teacher Education Council appointed by the President in March, 1958, with the membership representing all phases of teacher education on the campus. The functions of the Teacher Education Council are to: (1) coordinate institutional thinking and effort regarding teacher education, (2) facilitate communications between the various facets of the college concerned with teacher education, (3) formulate recommendations to the Council of Deans concerning institutional policy on teacher education, (4) formulate recommendations to the Council of Deans concerning procedures for implementing policies affecting teacher education as approved by the Council of Deans. The administrative officer and chairman of the Teacher Education Council is the Director of Teach-

er Education, appointed by the President. The Director of Teacher Education is also the official agent for the College in all matters pertaining to teacher education.

The responsibility for advisement leading to degrees in the various schools resides in the offices of the respective deans. The advisement and guidance in the Professional Education Curriculum leading to certification to teach is the responsibility of the Department of Education. The advisement in various teaching majors and minors is the responsibility of the appropriate subject matter departments. The resulting program is both varied and integrated and draws its strength from the total resources of the College.

Undergraduate and graduate teacher education programs are offered in the Schools of Agriculture, Arts and Sciences, Business Administration, Home Economics, and the Graduate School.

TEACHING CERTIFICATES

General Information

Under the 1955 teacher certification laws of Texas there are two general types of teaching certificates: the permanent provisional and the permanent professional. The permanent provisional certificate is based on a bachelor's degree and certain prescribed work constituting a state-approved certification program. The professional certificate is based on a provisional certificate, three years' teaching experience, and a minimum of 30 semester hours of graduate college work beyond the bachelor's degree. In many instances, but not in all, this graduate course work can coincide with master's degree requirements.

Please note that under the new laws, teaching certificates are issued only to persons holding a bachelor's degree. Emergency teaching permits

can be obtained for non-degree persons, but such permits are obtained only through the superintendent of the local school system which employs the non-degree person. These permits are valid for the remainder of the scholastic year in which they are issued and only in the school system through which the application for the permit was made.

The Texas Education Agency, the administrative agency for teacher certification in Texas, no longer analyzes the college transcripts of individual students for specific courses as a basis for issuing teaching certificates. Certificates are now issued by the Agency only upon receiving from the certifying agent of a particular college (1) verification that the student has completed a program approved for that college; and (2) recommendation from the college that the applicant possesses personal attributes indicative of a successful teacher.

Requirements for Admission to Student Teaching. Beginning with fall semester of 1959-1960, each person expecting to receive a teaching certificate in any subject must meet the following admission standards to student teaching:

1. The student must have completed approximately 90 hours of college work, including the requisite courses in professional education and a majority of the work required in the teaching major and in the minor.
2. All students **except** those in agricultural education and home economics education must file an application with the Department of Education to enroll in student teaching at the time of registration for the first semester of the junior year. This is done in order to permit proper planning and placement of students in their teaching field.
3. The student must pass the same health examination as that required for teachers in the school system in which student

teaching is done. The examination center will be specified at the filing of the application to student teaching.

4. The student must present evidence of freedom from extreme handicaps that would be detrimental to classroom teaching.
5. The student must have a 1.00 average on all college work and a 1.25 average in professional education and in the major and in the minor. For the purpose of computing the 1.25 grade average in the teaching major and minor in the case of the prospective elementary teacher, the courses classified with the Texas Education Agency as **elementary content** will be regarded as the teaching major and minor.
6. The student must demonstrate a proficiency in the use of the English language as measured by appropriate standardized tests.

In meeting the standards described above, all transfer students will be considered as special cases by the Committee on Student Teaching.

Requirements for Obtaining a Teaching Certificate. A student obtaining a teaching certificate through Texas Technological College must meet the following grade-point requirements:

1. A 1.00 overall average on all college work.
2. A 1.25 average in professional education and in the teaching major and in the teaching minor. (In the case of the applicant for the elementary teaching certificate, the courses designated as elementary content will be regarded as the teaching major and minor for computational purposes.)

Provisional Certificates

Texas Technological College has approved provisional certificate programs at both the elementary and

the secondary school levels. In certain highly specialized fields, Texas Tech has approved programs which will qualify the individual for teaching his special subject at both the elementary and the secondary school levels. This special subject teaching certificate carries what is known as an all-level endorsement. The specific areas and teaching fields in which Texas Tech has approved provisional certificate programs are as follows:

1. **Elementary education.** The specific courses required in the approved program for elementary teachers will be found in the Department of Education section of the Arts and Sciences Bulletin.
2. **Secondary education.** There are two general types of subject teaching fields within the secondary program. One requires both first and second teaching fields in subjects taught in the secondary school.

Content areas in which Texas Tech has approved first teaching fields are:

Art	Health and Physical Education
Biology	History
Chemistry	Journalism
English	Mathematics
French	Physics
German	Spanish
Govern-ment	Speech

Content areas in which Texas Tech has approved second teaching fields are:

Biology	Latin
Chemistry	Mathematics
Economics	Music—Instrumental
English	Music—Vocal
French	Physical Education
German	Physics
Government	Spanish
Health	Speech
Education	
History	
Journalism	

If the student is following the above certification plan, he must consult the heads of the departments in which he plans to do his first and second teaching fields about the specific courses to be taken in these two fields. The Department of Education must be consulted about the specific courses in professional education which are required.

The second type of teaching field under the secondary program is the broad field (composite) type. This type involves a minimum of 36 hours of course work in a broad field such as social science or business education, but in most instances 42 or more hours will be required. For certification purposes such broad field programs do not require a second teaching field: for degree purposes, however, minors may be required.

Tech has approved provisional certificate programs in the following broad fields:

Agricultural	Art
Education	Music
Business	Science
Education	Social Science
Home Economics	
Education	

If the student plans to teach in one of the first three broad fields named above, he should consult the department in which he plans to do his teaching field for the details of his entire program. If the student plans to teach in one of the four latter broad fields, he must consult the department within that broad field in which he plans to do the major portion of his work. That department will advise the student concerning all the specific courses he needs in the broad teaching field. The Department

of Education must be consulted in regard to the specific courses required in professional education.

3. **All-level certificates.** In certain specialized fields it is possible to obtain an all-level certificate which will entitle the holder to teach his special subject only, in both the elementary and the secondary schools. It should be noted, however, that in the event the holder of the all-level certificate wishes to qualify to teach anything other than his special subject in either the secondary or the elementary school, he must do additional college work both in the content fields to be taught and in professional education.

Approved programs leading to provisional all-level certification are available in the following fields:

- Art Education
- Health and Physical Education
- Music Education
- Speech Correction

If the student is working toward all-level certification endorsement in either health and physical education or in music education, he should consult the head of that department for the details of the entire program. A person working toward all-level certification endorsement in speech correction must confer with the Department of Speech for the details of his course work in that area and with the Department of Education for his required professional education courses. All-level certification in art is a joint program involving work in the Department of Architecture and Allied Arts and in the Department of Applied Arts. The student working toward this special teaching field must consult either of these departments for the required work in art and must consult the

Department of Education for the required work in professional education.

Certification Plans

At Texas Technological College, teaching certificates are obtained through the Director of Teacher Certification, who must verify to the Texas Education Agency, along with other required information, that the applicant for a certificate has completed the program approved for that particular certificate. Since certification programs and degree programs do not necessarily coincide, and since in some endorsement areas there is multiple school and department involvement, it is necessary that a certification plan be filed in the office of the Director of Teacher Certification. This plan is distinct from the degree plan which is filed in the office of the student's academic dean. This certification plan, if followed, is a safeguard to the student that he will not be deficient in some particular requirement at the time he applies for his teaching certificate. All students, with the exception of those in agricultural education, business education, and home economics education, should obtain the proper certification plan forms from the Director of Teacher Certification and have these forms filled out by the proper college officials. This action should be taken as soon as the student has decided to work toward a teaching certificate. Students in home economics education, business education, and agricultural education should consult their respective department heads as to the proper time to file their certification plans with the Director of Certification.

Professional Certificates

Prerequisites to all professional certificates are: (1) a bachelor's degree, (2) a Texas provisional certificate, and (3) three years' successful public school teaching experience. For several of these professional certificates there are special prerequi-

sites such as the type of endorsement appearing on the prerequisite provisional certificate and the school level or field in which the three years' teaching experience was obtained.

Each program leading to professional certification is designed as a whole to prepare the applicant for the specific professional position for which he is qualifying. Each approved professional certification program contains a minimum of 30 semester hours of graduate work; some require more. Each is a definite, planned program, not merely a collection of courses.

Texas Technological College has approved professional certification programs in the following areas of specialization for the classroom teacher:

Art
Elementary
Health and Physical Education
High School
Music
Speech — Drama
Vocational Agriculture
Vocational Homemaking

In addition to the above, Texas Technological College has approved professional certificate programs for the following specialized positions:

School Counselor	Supervisor
Principal	Elementary
Elementary	Secondary
Secondary	General
Superintendent	

Although all of the above professional certificate programs have inter-departmental involvement in varying degrees, the program leading to certification in counseling in the public schools is offered jointly by the Department of Education and the Department of Psychology. This program can be integrated with the Master of Education Degree or the Master of Arts Degree if carefully planned. Under the inter-departmental arrangement, the student desiring to be certified in counseling in the public schools will major in education and minor in psychology. The student who desires to be certified for the purpose of counseling in both

schools and/or in rehabilitation and industry will major in psychology and minor in education. Students interested in the public school counselor's certification program should confer with the head of either of the above departments for details and program planning after contacting the Office of Teacher Certification to determine whether he meets the state requirements to work toward this particular certificate.

Professional Certification Plans. A student wishing to work toward a professional certificate in an area should first contact the office of the Director of Teacher Certification in order to:

1. Establish whether he meets the state requirements for working toward a professional certificate in that area.
2. Obtain the certification plan forms for the particular program in which he will be working.
3. Secure advice as to which departments he will need to contact in order to execute the certification plan forms.

Graduate Degrees and Professional Certificates. Persons who want to work toward a graduate degree as well as toward a professional certificate should contact the Dean of the Graduate School for information regarding degree requirements.

Preparation for the Study of Law

In general the schools of law do not require specific courses for the completion of admission requirements, but rather these schools expect a student of intellectual maturity and one well-grounded in the fundamentals of a liberal education. While many schools of law admit students who have completed only three years of pre-professional work, it is

to be noted that a high percentage of those students admitted have their baccalaureate degrees. Hence the pre-law student should constantly keep in mind the various requirements for the bachelors' degrees.

For the student who may be admitted after only three years of college work, a combination is allowed which will permit the student to secure the bachelor's degree from this College upon graduation from a standard three-year college of law. To be eligible for this bachelor's degree, the student must have completed a minimum of 96 semester hours of which at least the junior year must have been completed at this College. In addition, the work must have included all requirements for the bachelor's degree with the exception of the completion of the major requirements. Upon completion of these requirements and certification of graduation from the law school the student may petition for the baccalaureate degree from this College.

Counseling and guidance of pre-legal students is given by the Head of the Department of Government who is the official College adviser for pre-law students and through whom recommendations to the law schools should pass. Pre-legal students, regardless of their major field of interest, should consult with him in planning their programs of work.

Bilingual Secretarial (French, German, Spanish) Program

This course of study is offered jointly by the Department of Foreign Languages and the Department of Business Education and Secretarial Administration (in the School of Business Administration). It is designed for students who wish to enjoy the benefits of a liberal education

and at the same time prepare themselves in an occupational field.

Students following this course of study receive the Bachelor of Arts Degree by fulfilling the basic requirements in that degree. They major in French, German, or Spanish, and complete a minor in an academic subject.

In addition they take up to 25 hours in secretarial administration in the following courses: 121-122, 131-132, 235, 321, 331, 333, 328, 421. Credit is allowed in typing and shorthand only for those completing the course of study and upon demonstration of competence in both fields.

Students interested in this course of study should consult the Head of the Department of Foreign Languages for information concerning it and future employment opportunities.

Latin American Area Studies

This course of study is planned to give students a well-rounded liberal education in several interrelated fields and also basic training for various occupational opportunities in export-import houses, manufacturing concerns, shipping companies, airway systems, banking institutions, government offices, or for journalism, teaching, translating, or interpreting. The course of study also offers students excellent preparation for graduate work in area studies.

Students following this program will take an inter-departmental major in Latin American Area Studies. The basic preparation for the major is fulfillment of the minimum requirements for the Bachelor of Arts degree totaling 42 to 68 semester hours depending on high school preparation. The foreign language requirement should be fulfilled by completion of Spanish 333-334. Economics 231-232 should be included as a prerequisite for economics courses in the Latin American area.

Required for the major, 30 semester hours from the Latin American content courses listed below:

Government: 3 to 6 hours in 3317, 3318.

Economics: 3 to 6 hours in 339, 3315.

History and Sociology: 9 to 15 hours in History 4321, 4322, 5323, 5324, Sociology 336.

Spanish: 6 to 12 hours in 4324, 4325, 4326, 4327, 4328-4329; or 12 hours of Portuguese or French. (If Portuguese or French is chosen, 36 hours are required in the major).

Minor: The minor of 18 semester hours may be chosen from any of the fields listed under the major, in which case the same course may not be counted for both the major and the minor, or from any field in the College in which a minor is customarily taken. Suggested fields involving cultural objectives or professional studies with a view to future job placement are: accounting, applied arts, bacteriology, botany, chemistry, clothing and textiles, economics, education, English, finance, food and nutrition, French, German, government, history, journalism, Latin, sociology, Spanish, speech, zoology.

Students wishing to major in Latin American Area Studies should consult the Head of the Department of Government, History, or Foreign Languages.

The Liberal Arts Approach to Engineering

Students desiring a broader approach upon which to base their studies in engineering may receive the Degree of Bachelor of Arts by completing three years' work in the School of Arts and Sciences with a minimum of 100 semester hours' work and by completion of the requirements for one of the various degrees of Bachelor of Science in Engineering at this College. The three years' work must satisfy all graduate requirements for the Degree of Bachelor of Arts at Texas Technological College with the exception of the major requirements. Students who are transfers, provided they have satisfactorily completed the work outlined in the freshman and sophomore years, or its equivalent, may meet the three-year requirement by the completion of the junior year in residence in this school.

Recreation

Other less clearly defined combinations may be affected. For example, the program in recreation makes use of work offered by several departments and schools. For the details of this program see "Department of Health, Physical Education, and Recreation" (for Men or Women) in the School of Arts and Sciences.

RESERVE OFFICERS' TRAINING CORPS

All physically fit male students of the freshman and sophomore years, except veterans, are required to elect either band, physical education, or Military or Air Science (ROTC). Should the student elect participation in ROTC, he agrees to continue the basic course for two academic years or completion as a prerequisite to graduation unless released for reasons beyond his control.

The Departments of the Army and the Air Force each maintain a senior division of the ROTC at Texas Technological College. The mission of the ROTC is to provide a source of college-trained junior officers who have the qualities and abilities essential to continued development as officers in the Army or Air Force. The Departments of Military Science and Air Science place special emphasis upon leadership to assist men in meeting life situations with success and honor. Students in the ROTC are not active members of the Armed Forces of the United States. In addition to training Reserve officers, outstanding graduates may be recommended for Regular Army or Air Force Commissions. The Army offers a general military science curriculum, which qualifies graduates for appointment in any one of its 15 arms and services. The Air Force curriculum is a generalized course qualifying graduates for flying or non-flying appointments in the Air Force.

Requirements for Enrollment and Continuance

The general requirements for enrollment and continuance in the ROTC are to: be a citizen of the United States, be physically qualified as prescribed by the Department of the Army or the Department of the Air Force, be accepted by the institution as a regularly enrolled student, be not less than 14 years of age and

not over 23 years of age at the time of enrollment. No student will be enrolled in the advanced course after he has reached 27 years of age. He must successfully complete such general survey or screening tests as are given to determine eligibility for admittance to the basic or advanced courses. He must agree in writing upon admission to the ROTC advanced course program to complete the course of instruction offered unless sooner released by the Department of the Army or the Department of the Air Force. He also agrees to accept a commission as a second lieutenant, if tendered, upon completion of ROTC training. Mid-year enrollees are accepted in the ROTC programs. Successful completion of the advanced course, once begun, is a requirement for graduation unless the student is officially released by the Professor of Military Science or the Professor of Air Science. A student officially dropped from advanced ROTC for the convenience of the government will not be required to complete the advanced course as a prerequisite for graduation.

A basic Army ROTC or Air Force ROTC student may be released from the ROTC program by mutual agreement between the student's academic dean and the Professor of Military Science, or the Professor of Air Science, respectively.

The Army ROTC contract will expire if the student's attendance at school is interrupted for more than two calendar years. An Air Force ROTC contract student whose attendance at school is interrupted will be discharged from the Corps. He may be re-enrolled at a subsequent date with approval of the Professor of Air Science.

Membership in the ROTC program defers students from selective service, but not registration with the Draft Board, as long as they remain in the ROTC program (provided they

are on the deferred list prescribed by the Selective Service Act of 1951). Students enrolled in Army ROTC, receiving such a deferment from the draft, must agree to complete ROTC training unless released by the PMS. Advanced course students in the Army ROTC program agree to serve, subject to call by the Department of the Army, six months or two years of active duty. Length of active duty is dependent upon the desires of the individual and the needs of the Army at the time of commissioning. If a student elects six months' active duty, he will be required to serve in the ready reserve for seven and one-half years. When an individual serves two years' active duty, he is required to stay in the ready reserve three years.

Students enrolled in Air Force ROTC receiving a deferment from the draft must agree to serve, subject to call by the Department of Air Force, four years' active duty if selected in a non-flying capacity, or five years' active duty if accepted for flying training after receipt of a commission.

A student enrolled in basic ROTC may, on his own decision, either accept or decline deferment if it is offered him. Advanced course students are automatically deferred on signing the advanced-course contract.

Financial Assistance

Advanced ROTC course students receive pay and allowances that total over \$700 over a two-year period. This amount is derived from the ROTC subsistence allowance and summer camp pay. (During the past year this amounted to about \$2.50 per hour of Military Science instruction plus summer camp pay.) These figures are in addition to veteran benefits and service disability payments authorized a veteran provided he passes the ROTC physical examination.

Uniforms and Equipment

All ROTC students are furnished officer-type uniforms, including overcoat or raincoat and shoes, without

cost to the student. This uniform and other property remains the property of the United States or the College. Each student is required to maintain his uniform by cleaning and proper care and to return same to the ROTC supply office in the event he leaves school or becomes separated from the ROTC for other reasons. All advanced students in Air Force ROTC who receive a commission will retain their uniforms as personal property.

The Federal Government provides the necessary texts and equipment to carry out the ROTC program.

Discipline

Texas Technological College is not a military school. Discipline in the Air and Military Science Departments is accomplished by instilling pride in the individual student and by a system of demerits for minor offenses, such as failure to properly maintain equipment and personal appearance. These demerits may be removed by constructive study or other work in the department. Unremoved demerits will lower the student's final grades.

Summer Camp

Members of advanced ROTC are required to attend one summer camp, normally between their junior and senior years. All students going to summer camp receive mileage for the round trip from the College or home at the rate of 5 cents per mile; are furnished food, housing, uniforms, and medical attention at government expense; and are paid at the rate of \$78 per month while attending camp. Army ROTC summer camp begins about June 15 each year and is of six weeks' duration. Air Force ROTC summer camp is usually scheduled in two sections of four weeks' duration, the first section beginning early in June, and the second section beginning early in August. Students are required to attend only one section. The military training at camp will consist of both practical and theoretical instruction.

Academic Credit

Credit is granted toward a degree for completion of the course in Military Science as follows:

	Fall Sem.	Spring Sem.	Total
Basic			
First year	1 hr.	1 hr.	2
Second year	2 hrs.	2 hrs.	4
Advanced			
First year	2 hrs.	2 hrs.	4
Second year	2 hrs.	2 hrs.	4
			14

In Air Science:

	Fall Sem.	Spring Sem.	Total
Basic			
First year	1 hr.	2 hrs.	3
Second year	2 hrs.	1 hr.	3
Advanced			
First year	3 hrs.	3 hrs.	6
Second year	1 hr.	1 hr.	2
			14

Band

Both the Army ROTC and the Air Force ROTC maintain a band. Both bands are trained by the College Music Department, and each band is an integral part of the Army or Air Force ROTC program. Those students with prior band experience will be assigned to the band and will maintain practice periods and play during the normal drill period. A large number of band instruments are furnished by the Federal Government; however, students owning instruments are encouraged to use them.

Selection—Related Courses

The College Departments of Government, History, and Journalism cooperate in offering six courses: Gov-

ernment 335 (International Relations) and 437 (Political Geography); History 231 and 232 (History of the U.S.), 3317 (Military Affairs); and Journalism 433 (Public Opinion and Propaganda). Descriptions of these courses can be found in the Arts and Sciences Bulletin under the respective departmental listings.

The U.S. Army ROTC Program

The Army ROTC program consists of two parts; basic course and advanced course with summer camp at an Army Post. The basic course, is a prerequisite for consideration to admission to the advanced course. The advanced course program is designed to qualify selected students for reserve or regular Army commissions in one of the 15 branches of the Army.

Basic Course: A two-year course of instruction for freshmen and sophomores, consisting of one hour of classroom instruction and one hour of drill per week during the freshman year, and two hours of classroom instruction and one hour of drill per week during the sophomore year. Up to two years' credit in the basic course may be granted for previous honorable active service in the Armed Forces. Individuals who have had six to twelve months of active service may be given credit for the first year of the basic course. An individual who has had over twelve months of service may be granted credit for the entire basic course. Credit is also given to a student who has three or more years of high school ROTC. In some cases, veterans without sufficient background will be required to complete certain portions of the basic course before being considered qualified for the advanced course.

Advanced Course: The advanced course consists of three hours of classroom instruction and one hour of drill per week during the first se-

mester of the junior and senior years and two hours of classroom instruction and one hour of drill per week during the second semester of the junior and senior years. In addition to the classroom instruction and drill, each advanced course student will attend one six-week summer camp.

In addition to the Military Science courses listed, it is required that basic course students take a total of 2 hours of college academic electives. Advanced course students are required to take a total of 6 hours of advanced electives concurrent with their regular M. S. program. Courses selected are to be in the general areas of science comprehension, general psychology, effective communication, political institutions, and political development. These selected courses are as approved by the PMS. With very rare exceptions these academic courses are included in the student's regular curriculum and impose no extra work load on the student. Upon successful completion of the ROTC advanced course and four years of college work, the graduate will be tendered a commission as second lieutenant in the United States Army Reserve.

ARMY ROTC MODIFIED MILITARY SCIENCE CURRICULUM

The Modified Military Science curriculum is designed to prepare students for commissions as officers in the various arms and services of the United States Army, both regular and reserve. There is no specialization during the ROTC course; all students pursue the same subjects. Specialized training in techniques and duties of the various branches is given them at the branch schools when ordered to active duty after graduation and commission. Students may be commissioned in the following branches: Armor, Artillery, Corps of Engineers, Signal Corps, Medical Service Corps, Finance Corps, Ordnance Corps, In-

fantry, Military Police Corps, Adjutant General Corps, Transportation Corps, Quartermaster Corps, Chemical Corps, Military Intelligence and Army Security Agency. The advanced course student makes his selection of branch early in the senior year. An "Academic Military Board" consisting of the officers of the Military Science Department and other members of the College faculty review the student's preference, his college and other training, and recommends approval or disapproval of students' branch selections to the Department of the Army. The board generally approves the student's preference in branches after a thorough discussion with the student. Final assignments are made by the Department of the Army based on a student's preference, the board recommendations, and current needs of the Army.

ARMY ROTC FLIGHT TRAINING

Flight training is offered to selected advanced course students during their final year in ROTC provided they pass the Army Fixed Wing Aptitude Test and the medical fitness examination. A Federal Aviation Agency-approved standardized flight instruction program of 35 hours of ground instruction and 36½ hours of flight instruction is presented. All instruction is conducted on an extra-curricular basis; no academic credit is received, but students completing the course are given the opportunity to qualify for a Federal Aviation Agency private pilot's certificate.

Students selected for flight training must agree that if commissioned at the time of graduation, they will volunteer for Army aviation flight training and, if selected for the additional training, serve on active duty as a commissioned officer for not less than 3 years.

In the event a student is under 21 years of age at the time of enrollment in flight training, the consent of his parents or guardian is required.

ARMY ROTC AWARDS AND RECOGNITION OF ACHIEVEMENTS

Under the Distinguished Military Student program, the Department of the Army annually offers Regular Army commissions to a limited number of especially qualified senior ROTC graduates. Distinguished military students are individuals designated by the Professor of Military Science with the concurrence of the President of the College from those ROTC MS III students who are in the upper third of their advanced course class and in the upper half of their academic school. A student not in the upper one-half academically but in the upper 10 per cent of his military class is also considered. Students must possess to a high degree outstanding qualities of leadership, character, and aptitude for military service. This selection is made at the end of the first year of advanced work and is progressive in that a student so selected, who continues to do the same quality of work until graduation, is at that time designated a Distinguished Military Graduate. This makes him eligible to be considered for a Regular Army Commission.

The Society of American Military Engineers awards annually the Society's ROTC Gold Medal to 10 general military science junior engineering students and 10 general military science senior engineering students throughout the United States. Award is based on outstanding Army ROTC and academic proficiency.

The Association of the United States Army Awards a medal annually to the outstanding student in the first year of the advanced course.

The Texas Society of Sons of the American Revolution awards a number of its Medals of Honor to outstanding cadets.

The Department of the Army awards annually a Superior Cadet Ribbon to the outstanding cadet of each military science class. The

award is based on academic and military proficiency.

MILITARY SCIENCE (ARMY ROTC)

Professor:

Col. Carvey, Infantry

Associate Professor:

Captain Pender, Engineer

Assistant Professors:

Capt. Macklin, Infantry

Capt. Brown, Signal Corps

Capt. Weber, Armor

Non-Commissioned Officer-Instructors

M/Sgt. Ralls

M/Sgt. Modis

SFC Sharp

SFC Dusek

Administrative Assistants:

SFC Rivers

SFC McQuinn

Sp5 Westbrook

111. Organization of the Army and Individual Weapons Training (1)

Prerequisite: U.S. Citizenship, physical, mental, and moral qualifications as prescribed by the Department of the Army.

Scope of Instruction:

Organization of the Army and ROTC, small arms characteristics, functioning, and employment; marksmanship training on the rifle range; School of the Soldier and exercise of command. Introduction to military history.

112. The U.S. Army and National Security (1)

Prerequisite: Same as for M.S. 111.

Scope of Instruction:

National defense policy; missions, capabilities, and interdependence of the U.S. Air Force, U.S. Navy, and the U.S. Army; role of the Army in conceivable types of warfare; School of the Soldier and exercise of command.

221. Map and Aerial Photography and Introduction to Operations and Basic Tactics (2)

Prerequisite: M.S. 111-112 or the equivalent.

Scope of Instruction:

The reading and employment of maps and aerial photographs and the principles of offensive and defensive combat and their application to the basic military teams; School of the Soldier and exercise of command.

222. American Military History (2)

Prerequisite: M.S. 111-112 or the equivalent.

Scope of Instruction:

History of American military traditions, achievements and leadership; School of the Soldier and exercise of command.

321. Leadership Military Teaching, and Branches of the Army (2)

Prerequisite: M.S. 221-222 or equivalent.

Scope of Instruction:

The basic psychology of leadership and its application; methods and techniques of military instruction and familiarization with the missions and organizations of the various combat and technical branches of the U.S. Army in which the ROTC graduates may be commissioned; School of the Soldier and exercise of command.

322. Small Unit Tactics and Communications (2)

Prerequisite: Same as for M.S. 321.

Scope of Instruction:

Principles of offensive and defensive combat operations and their application to the units of the Infantry division battle group and the principles of communications and communications systems used in the battle group to include use of radio equipment, wire equipment, and field messages; School of the Soldier and exercise of command.

421. Military Operations, Logistics and Administration (2)

Prerequisite: M.S. 321-322.

Scope of Instruction:

Military staff organization and function using division staff as a model; relationship between command and staff; principles and uses of military intelligence; mission of supply, supply doctrine and principles; classes of supply; administration of tactical troop movements; the Army system of motor transportation and preventive maintenance and the fundamentals of Army administration and mess management; School of the Soldier and exercise of command.

422. Military Law, Role of the U.S. in World Affairs and Service Orientation

Prerequisite: Same as for M.S. 421.

Scope of Instruction:

The fundamental concepts of military justice in the Armed Forces; the basic principles and methods of procedures for pre-trial investigations, conduct of trials and the principles of non-judicial punishment; analysis of the United States as to its economic power; war potential; and its aptitude for conduct of war; the effect of U.S. power and policy on the present world situation; and orientation on service life for future officers; School of the Soldier and exercise of command.

The U.S. Air Force ROTC Program

The Air Force ROTC program consists of two parts: the basic course, Air Age Citizenship Education, and the advanced course, Air Force Officer Development, which includes a summer camp at an Air Force base.

Basic Course: Air Age Citizenship Education.

Two college-related courses, History of the United States to 1865

(History 231) and History of the United States since 1865 (History 232) are substituted for one year of Air Science academics.

Advanced Course: Air Force Officer Development.

The advanced course consists of formal officer instruction of six hours per week over a period of not less than two academic years of 32 weeks each and a summer camp of four weeks' duration. The course is designed to qualify the student for the position of a leader in the air age and a commission as a regular or reserve officer of the United States Air Force. Thirty-five hours of flying training are offered to students who qualify.

Entrance to the advanced course is limited to those who have successfully completed necessary screening and testing criteria and are taking an academic course on the college level and who have completed the basic course or received credit for prior service. On the basis of previous honorable active service in the Army, Navy, Marine Corps, Air Force, or Coast Guard, a student may request a waiver of the basic course as a requirement for entrance into the advanced course. Upon successful completion of the advanced course the student may be tendered a commission as a second lieutenant in the United States Air Force Reserve.

AIR FORCE ROTC GENERAL AIR SCIENCE CURRICULUM

The generalized course includes such subjects as elements and potentials of air power, air vehicles and principles of flight, evolution of aerial warfare, weapon system development, U.S. Air Force operation, leadership principles and practices, weather navigation, oral and written communications, problem solving, international relations, and military aspects of world political geography.

The mission of the Air Force ROTC at Texas Technological College is to develop in selected college stu-

dents those qualities of leadership and other attributes essential to their progressive advancement to positions of increasing responsibility as commissioned officers in the United States Air Force.

The purposes and specific objectives of the Air Force ROTC program are:

a. To develop in selected cadets, through a sound education and training program, the initial motivation to serve as career officers in the United States Air Force.

b. To develop in cadets by precept, example, and participation, the attributes of character, personality, and attitudes essential for leadership.

c. To develop in cadets an interest in the Air Force and an understanding of its mission, organization, operations, problems, and techniques.

d. To provide that military education and training which will prepare cadets to discharge the duties and responsibilities required of them as Air Force Officers.

e. To select and motivate cadets for career fields as specifically required by the United States Air Force.

Content of the various air science courses is shown on the following pages.

AIR FORCE ROTC AWARDS AND RECOGNITION OF ACHIEVEMENT

The Department of the Air Force annually offers regular commissions to a limited number of qualified cadets in the Air Force ROTC.

The Professor of Air Science and Commandant, Headquarters Air Force ROTC, annually award the Distinguished AF ROTC Student Certificate to those junior students who have achieved scholastic excellence and who possess outstanding leadership, character, and aptitude for mili-

tary service. The College President annually awards the President's Trophy to the outstanding fourth-year Air Force ROTC student based on academic standing and his contribution to student life. In addition the following awards are presented: The Professor of Air Science Leadership Award (1 per semester), Air Force Association Award, the Chicago Tribune Gold and Silver Medals (1 of each), the Convair Award, Reserve Officer Association Medal, Sons of the American Revolution Medal, and the Armed Forces Communications and Electronics Association Award.

A number of other awards are given by such companies as North American Aviation, McDonnell Aviation, Martin Aircraft, Cessna Aircraft, Lockheed Aircraft, Chance Vought Aircraft, and Northrup Aircraft.

The Professor of Air Science also presents an award to the outstanding member of the Angel Flight annually.

AIR SCIENCE (AFROTC)

Professor:

Lt. Col. Hull

Associate Professors:

Lt. Col. Wilson

Capt. Williams

Assistant Professors:

Maj. Carpenter

Capt. Webb

Administrative Assistants:

TSgt. Mize

TSgt. Noll

Sgt. Cupp

SSgt. Davis

A/1C Rhinehart

111. Air Science Leadership (1)

Prerequisite: Physical and mental qualifications prescribed by the Department of the Air Force.

Introduction to leadership principles and techniques through participation and study of the basic elements of military discipline.

122. Foundations of Air Power (2)

Prerequisite: Physical and mental qualifications prescribed by the Department of the Air Force.

A general survey of air power designed to provide the student with an understanding of the elements of air power, and basic aeronautical science. It includes military instrument of national security, elements and potentials of air power, evolution of aerial warfare, and air vehicles and principles of flight.

221. Foundations of Air Power (Continued) (2)

Prerequisite: A. S. 122 or equivalent.

Treatment of aerial warfare is continued including evolution and elements of aerial warfare, employment of air forces, and special emphasis on space operations.

212. Air Science Leadership (1)

Prerequisite: A. S. 122 - 221 or equivalent.

Intermediate principles and practices of leadership involved in controlling units. Introduction into supervisory problems of the leader.

331. Air Force Officer Development (3)

Prerequisite: A. S. 122 and 221-212 or equivalent.

Knowledge and skills required of a junior officer in the Air Force. This includes staff organization and functions, communications, instructing, and techniques of problem solving.

332. Air Force Officer Development (3)

Prerequisite: A. S. 331.

Principles and practices of leadership. This includes basic psychology of leadership, the military justice system, and application of problem solving techniques and leadership theory to simulated and real Air Force problems.

411. Weather and Navigation (1)

Prerequisite: A. S. 331-332.

A study of the weather and navigational aspects of airmanship, such as temperature, pressure air masses, precipitation, weather charts, navigation.

412. Air Force Officer Development (1)

Prerequisite: A. S. 331-332 and 411.

A study of materials that assist senior cadets to transition rapidly from students to effective Air Force active duty officers.

SCHOOLS OF THE COLLEGE

School of Agriculture

School of Arts and Sciences

School of Business Administration

School of Engineering

School of Home Economics

Graduate School

Each of the above schools publishes a separate bulletin covering the courses of study, curricula, and degree requirements. Copies of these bulletins may be obtained on application to the Dean of Admissions and Registrar, Texas Technological College, Lubbock, Texas.

The General Information Bulletin should be used in conjunction with a school bulletin. The student is responsible for familiarizing himself with both for the year he enters the College.

School of Agriculture

The curricula in the School of Agriculture are designed to qualify the student for a place in modern agriculture. Courses are provided in scientific and technical subjects fundamental to an understanding of the industry. Major work leading to the Bachelor of Science in Agriculture may be obtained in the following areas of study: agricultural economics, agricultural education, agricultural engineering, crops, range management, soils, animal industries, dairy husbandry, poultry husbandry, dairy industry, entomology, horticulture, park management, and agricultural science. A pre-veterinary science curriculum is also offered. Specific information concerning the offerings in the School of Agriculture may be found in the Agriculture Bulletin, copies of which may be secured by addressing the Registrar.

Major work leading to the degree Master of Science in Agriculture is offered in the following departments: Agricultural Economics, Agricultural Education, Agronomy, Animal Husbandry, Dairy Industry, and Horticulture and Park Management. For further information concerning graduate degrees offered in the School of Agriculture, refer to the Graduate Bulletin.

School of Arts and Sciences

Composed of 18 departments (See inside back cover), the School of Arts and Sciences offers students opportunities for both broad and specialized training in the many areas of human knowledge. The fundamental concepts of the liberal arts are preserved in their more modern form. These, as well as the more professionalized offerings in education, mathematics, the sciences, among other areas, are available to students of this School. Students from other schools of the College obtain their basic training in certain areas in the School of Arts and Sciences. A complete description of the work offered may be found in the Bulletin of the School of Arts and Sciences.

Doctoral programs are offered in the Departments of Chemistry, Education, English, History, and Psychology. Graduate work leading to a master's degree is offered in these and in all other departments of the School. Further information will be found in the Graduate Bulletin.

School of Business Administration

Composed of five departments, the School of Business Administration offers students an opportunity to

major in 15 different areas of study (See inside back cover). Professional training for those preparing to enter business or government in positions of responsibility is the primary objective of the School. It may also provide valuable preparation to students in other schools of the College. A second objective is encouraging research to further development of business and industry in West Texas, the Southwest, and the United States. Service to the public is a third objective. A complete description of the work offered may be found in the Bulletin of the School of Business Administration.

Graduate work, both for majors and minors, leading to masters' degrees is offered by all five departments. The Graduate Bulletin provides further information.

School of Engineering

The School of Engineering offers the following four-year curricula, each leading to the Degree of Bachelor of Science in its respective field: chemical engineering, civil engineering, electrical engineering, engineering physics, industrial engineering, mechanical engineering, petroleum engineering, and textile engineering. In the Department of Architecture and Allied Arts, a five-year curriculum in architecture, and a four-year curriculum in advertising art and design are offered, leading to the Degrees of Bachelor of Architecture and Bachelor of Advertising Art and Design, respectively. The graduate program in the School provides course work and research leading to the degrees of Master of Science in Chemical, Civil, Electrical, and Mechanical Engineering.

Further information concerning graduate degrees will be found in the Graduate Bulletin.

Special admission requirements, courses of study, curricula, and degree requirements for the above programs are given in the Engineering

Bulletin. Copies of this bulletin may be obtained on application to the Registrar.

School of Home Economics

Major work leading to the Bachelor of Science Degree in Home Economics is offered in the following departments: Applied Arts, Clothing and Textiles, Food and Nutrition, Home Economics Education, and Home and Family Life. A major is also available in general home economics for students who wish a broad background of preparation for homemaking and related occupations but who do not wish to specialize in any one of the other professional areas of home economics.

Home economics instruction at Texas Technological College has been approved by Federal and State Boards for Vocational Education. Students satisfactorily completing the requirements for graduation with a major in home economics education are eligible to receive the legal provisional certificate to teach vocational homemaking in Texas. This certificate is permanent.

Information concerning the course offerings and requirements for graduation in the School of Home Economics will be found in the Home Economics Bulletin, 1959-1961.

Major work leading to the Master of Science Degree in Home Economics is offered in clothing and textiles, food and nutrition, and home economics education. Graduate minors are available in applied arts and home and family life. More detailed information will be found in the Graduate Bulletin.

Graduate School

Major work leading to the appropriate master's degree is offered in the following subjects: accounting,

agricultural economics, agricultural education, agronomy, animal husbandry, botany, business education, chemistry, chemical engineering, civil engineering, clothing and textiles, dairy industry, economics, education, electrical engineering, English, finance, food and nutrition, geology, government, health and physical education and recreation (for men and for women), history, home economics education, horticulture and park management, management, marketing, mathematics, mechanical engineering, music education, physics,

psychology, sociology, Spanish, speech, and zoology. Minor work for the master's degree is available in several additional departments.

Major work leading to the Degree of Doctor of Philosophy is offered in chemistry, English, history, and psychology. The Degree of Doctor of Education is also offered.

Information concerning requirements for admission to the Graduate School and for graduate degrees will be found in the Graduate Bulletin, copies of which may be secured by addressing the Registrar.

DIVISION OF EXTENSION

Jacob H. Millikin, Director

The Texas Technological College Division of Extension offers approximately 200 courses through correspondence study for those who cannot attend regularly scheduled classes. Correspondence and extension class study courses have been approved by the Association of Texas Colleges. The Division of Extension is a member of the National University Extension Association.

Correspondence Department

The following general regulations govern correspondence courses:

Eighteen semester hours of the work for a bachelor's degree may be done through correspondence work. No student may register for or complete a correspondence course during the last semester or summer term before graduation, unless registration is approved by his academic dean because of schedule conflict or the absence of the needed course in the residence schedule. In any event, a maximum of 6 hours of the final semester's work may be completed by correspondence, provided the work does not constitute a part of the major or minor requirements toward the degree.

The minimum time for completing a course of 2 semester hours is 30 days; and for a course of 3 semester hours, 45 days.

No credit toward a degree will be given for a correspondence course on which the student has made a grade of F in residence. Failure in residence of a course for which there are alternate choices in meeting degree requirements precludes the taking of the alternate course, or courses, by correspondence.

The registration fee for each semester hour is \$10 (a 3-semester-

hour course costs \$30). All fees are payable in advance and are not refundable. A correspondence course may not be exchanged for another course nor transferred to another person.

A student pursuing a degree program at Texas Technological College may not complete more than 6 semester hours by correspondence study during any 12-month period beginning Sept. 15, if he is enrolled full-time in both long and summer sessions, and carries a normal course load. If the course load is more than 15 hours per semester, or 6 hours each summer term, the dean of the student's school may reduce the above maximum of 6 hours by correspondence. If the student should not be enrolled during any semester, or during either or both terms of the summer session, the dean may permit a proportionate increase in the amount of correspondence work to be completed in any 12-month period beginning Sept. 15.

A resident student may begin or continue correspondence or Extension work only with the approval of his academic dean.

Correspondence courses for credit are the equivalent in content of the corresponding residence courses.

Correspondence courses for credit must be concluded by final examinations taken under the supervision of the designated person on a college campus.

Correspondence study courses are available in the following schools and departments:

AGRICULTURE

Agricultural Economics and Rural Sociology.

ARTS AND SCIENCES

Biblical Literature; Biology; Education and Philosophy; English; For-

eign Languages (French, German, Greek, Latin, and Spanish); Government; Health and Physical Education; History and Anthropology; Mathematics; Psychology; Sociology.

BUSINESS ADMINISTRATION

Accounting, Business Law, Economics, Finance, Marketing, and Secretarial Administration.

HIGH SCHOOL

College entrance (or high school credit) courses are available in the following fields: agriculture, business, English, foreign languages (French, German, Latin, and Spanish), history and social sciences, mathematics and science.

Extension Department

Extension classes may be organized in convenient centers upon the re-

quest of a sufficient number of students, depending upon the distance from the campus. Both graduate and undergraduate work is available.

Registration fees for extension class courses are \$10 per semester-hour credit. Laboratory fees may be required for courses entailing laboratory work. All fees are required in advance and are not refundable after a course is started.

A maximum of 6 semester hours of extension class credit will be allowed toward a master's degree. One-fourth of the work for a bachelor's degree may be earned through extension class and/or correspondence study work (provided not more than 18 semester hours are done through correspondence study alone.)

FURTHER INFORMATION

Address inquiries concerning specific courses to the Division of Extension, Texas Technological College, Lubbock, Texas.

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1961 - 1962

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 121 Administration Building.

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 167 Administration Building.

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 Residence Hall Administration Building.

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 158 Administration Building.

¹ Appointed Academic Vice President, Sept. 17, 1960.

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John Ross Bradford, B.S., M.S., Ph.D., *Dean of Engineering.*
105 West Engineering Building.

James B. Carvey, B.S., *Colonel, United States Army, Professor of Military Science.*
1 Military Science Building.

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216 Classroom and Office Building.

George Roswell Hull, B.A., M.B.A., *Lieutenant Colonel, United States Air Force, Professor of Air Science.*
M-1, Department of Air Science.

Ray Curtis Janeway, B.A., B.S. in L.S., M.S., *Librarian.*
215 Library.

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252 West Engineering Building.

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163 Administration Building.

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206 Administration Building.

Jacob Homer Millikin, B.A., M.A., *Director of Extension and Correspondence.*
108 Extension Building.

Florence Louise Phillips, A.B., M.A., Ed.D., *Dean of Women.*
171 Administration Building.

John Gates Taylor, *Auditor.*
111 Administration Building.

Gerald Waylett Thomas, B.S., M.S., Ph.D., *Dean of Agriculture.*
201A Agriculture Building.

Willa Vaughn Tinsley, B.S., M.S., Ph.D., *Dean of Home Economics.*
151 Home Economics Building.

Claude Adrian Vaughan, B.A., M.J., *Director of Public Information.*
105 Journalism Building.

* * * *

Margaret Ragsdale Birkman, B.S., *Assistant Director of Food Service, Residence Halls.*
Residence Hall Administration Building.

Florence Evelyn Clewell, B.A., *Assistant Registrar, Statistics and Reports.*
158 Administration Building.

Jesse Earl Crawford, B.S., *Property Manager.*
111 Administration Building.

George O. Elle, B.S., M.S., Ph.D., *Assistant Dean of Agriculture.*
201A Agriculture Building.

Dorothy Taft Garner, B.A., M.A., M.Ed., *Assistant Dean of Women in Charge of Residence Hall Supervision for Women.*
171 Administration Building.

Robert J. Hilliard, B.S., *Assistant Dean of Men in Charge of Residence Hall Supervision for Men.*
Bledsoe Hall.

Ivan Lee Little, B.A., M.A., Ph.D., *Assistant Dean of Arts and Sciences.*
206 Administration Building.

D. M. McElroy, *Assistant Comptroller.*
116 Administration Building.

Robert Lee Newell, B.S., M.S., *Assistant Dean of Engineering.*
105 West Engineering Building.

James Edward Platz, B.A., B.S. in L.S., *Associate Librarian.*
218 Library.

Robert Byron Price, B.B.A., C.P.A., *Assistant Auditor.*
111 Administration Building.

John Hayes Reese, B.B.A., LL.B., *Assistant Dean of Business Administration.*²
216 Classroom and Office Building.

Donald Lee Renner, B.B.A., *Assistant Registrar, Schedule and Registration.*
156 Administration Building.

James Elwood Rodgers, B.B.A., C.P.A., *Internal Auditor.*³
111 Administration Building.

Elvis Dean Smith, B.B.A., M.B.A., *Assistant Purchasing Agent.*
115 Administration Building.

Hollis Royce Smith, B.B.A., *Internal Auditor.*⁴
111 Administration Building.

Virginia Lee Snelling, B.A., *Assistant Auditor and Payroll Supervisor.*
109 Administration Building.

Jacqueline Ann Sterner, A.B., M.S., *Assistant Dean of Women.*
171 Administration Building.

James Berlyn Whitehead, A.B., *Assistant Dean of Student Life.*
163 Administration Building.

EMERITUS OFFICERS OF ADMINISTRATION AND FACULTY

Clifford Bartlett Jones, LL.D., *President Emeritus.*

William Thomas Gaston, *Business Manager Emeritus.*

Wenzel Louis Stangel, *Dean of Agriculture, Emeritus, 1925, 1958.*
B.S., Agricultural and Mechanical College of Texas; M.S., Missouri; LL.D., Agricultural
and Mechanical College of Texas.

Margaret Watson Weeks, *Dean of Home Economics, Emeritus, 1925, 1953.*
B.S., M.S., Columbia.

² Appointed, Oct. 1, 1960.

³ Resigned, Oct. 31, 1960.

⁴ Appointed, Nov. 1, 1960.

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Otto Vincent Adams, *Professor of Civil Engineering, Emeritus*, 1927, 1955;
Dean of Engineering, 1932-1949.

B.S. in C. and I.E., Colorado Agricultural and Mechanical College; M.S.E., Michigan;
 D.Sc., Colorado Agricultural and Mechanical College; Reg. Prof. Engr. (Texas).

Charles Victor Bullen, *Professor of Electrical Engineering, Emeritus*, 1932, 1960.

B.S. in E.E., Texas; M.S. in E.E., Massachusetts Institute of Technology; Reg. Prof. Engr. (Texas).

William Moore Craig, *Professor of Chemistry, Emeritus*, 1926, 1958.

B.A., M.A., Southwestern University; M.A., Texas; Ph.D., Harvard; Reg. Prof. Engr. (Texas).

Albert Benjamin Cunningham, *Professor of English, Emeritus*, 1929, 1949.

B.A., Muskingum College; B.D., Drew University; M.A., Ph.D., New York University; Litt.D., Lebanon.

Charles Dudley Eaves, *Professor of History, Emeritus*, 1925, 1959.

B.A., Texas; M.A., University of Chicago; Ph.D., Texas.

Mabel Deane Erwin, *Professor of Clothing and Textiles, Emeritus*, 1926, 1955.

B.S., Purdue; M.A., Columbia.

Carl Henninger, *Associate Professor of Foreign Languages, Emeritus*, 1926, 1954.

B.A., Indiana; M.A., Illinois.

Cecil Horne, *Professor and Head Department of Journalism, Emeritus*, 1926, 1951.

B.A., Baylor; B.A., Yale.

Johnnye Gilkerson Langford, *Professor of Physical Education, Emeritus*, 1925, 1955.

B.B.A., Texas; M.A., University of Southern California.

Jonnie McCrery Michie, *Professor of Food and Nutrition, Emeritus*, 1925, 1955.

B.S., M.A., Columbia.

Rufus Arthur Mills, *Professor of English, Emeritus*, 1926, 1951.

B.A., M.A., Texas.

Ray Clifford Mowery, *Professor of Animal Husbandry, Emeritus*, 1926, 1960.

B.S., Agricultural and Mechanical College of Texas; M.S., Iowa State College.

William Mackey Slagle, *Professor of Chemistry, Emeritus*, 1926, 1960.

B.A., Southwestern University, M.A., Texas.

Oscar Allen St. Clair, *Professor of Industrial Engineering, Emeritus*, 1934, 1959.

B.S., Illinois Institute of Technology; Reg. Prof. Engr. (Texas).

Earl L. Thompson, *Professor of Mathematics, Emeritus*, 1926, 1951.

B.A., Kansas State Teachers; M.A., Kansas; Ph.D., University of Chicago.

OFFICIAL DIRECTORY

FACULTY

First date indicates year of original appointment; second date, year of appointment to present position and rank.

Robert Cabaniss Goodwin, *President*, 1930, 1960.

B.A., Howard Payne College; M.A., Texas; Ph.D. Harvard.

Burl Monroe Abel, *Associate Professor of Finance*, 1955

B.S., M.B.A., Oklahoma; C.L.U.

Joe Alfred Adamcik, *Assistant Professor of Chemistry*, 1957.

B.S., M.A., Texas; Ph.D., Illinois.

Otto Vincent Adams, *Part-time Professor of Civil Engineering*, 1927, 1932;
Dean of Engineering, 1932-1949.

B.S., Colorado Agricultural and Mechanical College; M.S.E., Michigan; D.Sc., Colorado Agricultural and Mechanical College; Reg. Prof. Engr. (Texas).

Vivian Johnson Adams, *Professor and Head Department of Home Economics Education*, 1928, 1937.

B.S., Southwest Texas State; M.A., Columbia.

Weldon Wayne Aldridge, *Instructor in Civil Engineering*, 1958.

B.S., M.S., Agricultural and Mechanical College of Texas.

Beatrice Witte Alexander, *Instructor in Foreign Languages*, 1945.

B.A., Texas State College for Women; M.A., Texas.

Theodor Walter Alexander, *Associate Professor of Foreign Languages*, 1947, 1959.

B.S., M.S., Texas Technological College.

Bonnie L. Allen, *Associate Professor of Agronomy*, 1959.

B.S., Texas Technological College; M.S., Ph.D., Michigan State.

James George Allen, *Professor of English and Dean of Student Life*, 1927, 1950.

B.A., Southern Methodist University; M.A., Harvard.

Louise Crawford Allen, *Associate Professor of Journalism*, 1928, 1957.

B.A., Southern Methodist University; M.A., Missouri.

Hugh Allen Anderson, *Associate Professor of Economics*, 1939, 1947.

B.A., M.A., Hardin-Simmons.

Robert Paul Anderson, *Associate Professor of Psychology*, 1955, 1959.

M.A., Ph.D., University of Chicago.

Stanley Eugene Anderson, *Associate Professor of Animal Husbandry*, 1948, 1954.

B.S., Iowa State College; M.S., Texas Technological College.

Ann Taylor Andrews, *Instructor in Mathematics*, 1959, 1960.

B.S., Georgia; M.S., Alabama Polytechnic Institute.

Newton Steele Andrews, *Assistant Professor of Mathematics*, 1959.

B.S., M.S., Alabama Polytechnic Institute.

80 GENERAL INFORMATION BULLETIN

- William Burnside Arper, Jr., *Professor of Geology*, 1953, 1960.
B.S., M.S., Oklahoma; Ph.D., Kansas.
- Elmer Forrest Arterburn, Jr., *Backfield Coach*, 1956.¹
B.B.A., Texas Technological College.
- Donald Ashdown, *Professor of Horticulture and Park Management*, 1952, 1956.
B.S., Utah State; Ph.D., Cornell.
- Carolyn Adams Lewis Attneave, *Assistant Professor of Psychology*, 1957, 1959.
B.A., Chico State College; M.A., Ph.D., Stanford University.
- Cecil Irvy Ayers, *Professor of Agronomy*, 1942, 1960.
B.S., M.S., Texas Technological College.
- Jo Ann Ayers, *Assistant Documents Librarian*, 1960.
B.A., North Texas State.
- Marguerite Sivells Bailey, *Assistant Professor of Mathematics*, 1942, 1959.
B.S., Southeastern State; M.A., Texas.
- Tod Atkins Baker, *Instructor in Government*, 1960.
B.A., Alabama; M.A., Tennessee.
- Albert Barnett, *Professor of Education and Professor of Psychology*, 1933, 1957.
B.S., M.A., Ph.D., George Peabody College.
- Nolan Ellmore Barrick, *Professor and Head Department of Architecture and Allied Arts and Supervising Architect*, 1953.
B.A., B.S. in Arch., M.A., Rice; Reg. Arch. (Texas).
- Oliver Loyd Basford, *Assistant Professor of Physics*, 1956.
B.A., M.A., Texas.
- Andrew J. Bass, *Sergeant, United States Army, Instructor in Military Science*, 1958.
- Mohammed Ali Bassam, *Associate Professor of Mathematics*, 1960.
B.Sc. in Math., University of Baghdad; M.A., Ph.D., Texas.
- Jessie Adele Bateman, *Professor of Home Economics Education*, 1958.
B.S., M.S., Texas Technological College; Ph.D., Cornell.
- Carol Louise Baughman, *Instructor in Health, Physical Education, and Recreation for Women and Director of Intramural Sports for Women*, 1960.
B.S., Oklahoma State.
- John Henry Baumgardner, *Associate Professor of Animal Husbandry*, 1945, 1956.
B.S., M.S., Texas Technological College.
- Ethel Jane Beitler, *Assistant Professor of Applied Arts*, 1947.
B.S., Iowa State College; M.Ed., Marquette University.
- Richard Edward Belleville, *Assistant Professor of Psychology and Research Associate*, 1961.²
B.A., Centre College of Kentucky; M.A., Ph.D., Kentucky.
- James Wayland Bennett, *Professor and Head Department of Agricultural Economics*, 1948, 1957.
B.S., Texas Technological College; M.S., Ph.D., Louisiana State University.

¹ Fall Semester, 1960.

² Appointed Feb. 1, 1961.

- George William Berry, *Assistant Professor of Finance*, 1960.
B.B.A., M.B.A., Texas.
- Ray Verne Billingsley, *Associate Professor of Agricultural Economics*, 1956, 1959.³
B.S., M.S., Oklahoma State; Ph.D., North Carolina State.
- Lotus Berry Blackwell, *Instructor in Marketing*, 1948.⁴
B.A., M.A., Hardin-Simmons.
- Lowell Lawrence Blaisdell, *Associate Professor of History*, 1957, 1959.
B.A., Elmhurst College; M.A., University of Rochester; Ph.D., Wisconsin.
- Erwin Clarence Bleckley, *Visiting Assistant Professor of Foreign Languages*, 1959.
B.A., M.A., Oklahoma.
- Elsie Bodemann, *Associate Professor of Biology*, 1958.
A.B., Southwest Texas State; M.A., Ph.D., Texas.
- Elaine Emesette Boney, *Assistant Professor of Foreign Languages*, 1955, 1958.
A.B., Kansas; M.A., Wisconsin; Ph.D., Texas.
- Angela Rattan Boren, *Instructor in Home and Family Life*, 1960.
B.S., Texas Technological College.
- Lawrence Edward Bowling, *Professor of English*, 1952, 1959.
B.A., Berea College; M.A., Vanderbilt; Ph.D., Iowa.
- James Warren Bowman, *Part-time Instructor in Government*, 1956.
B.A., Texas Technological College; LL.B., Texas.
- Dixie Boyd, *Instructor in Psychology*, 1960.
B.A., Texas Woman's University; M.Ed., North Texas State.
- Nancy Smith Boze, *Instructor in English*, 1958.
B.S., M.A., East Texas State.
- John Ross Bradford, *Professor and Acting Head Department of Chemical Engineering and Dean of Engineering*, 1943, 1955.
B.S. in Ch.E., M.S. in Ch.E., Texas Technological College; Ph.D., Case Institute of Technology; Reg. Prof. Engr. (Ohio; Texas).
- Weldon Leroy Bradshaw, *Professor of Architecture*, 1938, 1943.
B.S. in Arch., Agricultural and Mechanical College of Texas; Reg. Arch. (Texas).
- John Paul Brand, *Professor of Geology*, 1948, 1957.
B.A., M.A., Miami University (Ohio); Ph.D., Texas.
- John Drake Bristol, *Assistant Professor of Civil Engineering*, 1959.
B.S., United States Military Academy; M.S., Cornell; Reg. Prof. Engr. (Texas; Oklahoma; Kansas).
- Roger Leon Brooks, *Assistant Professor of English*, 1960.
B.A., Baylor; M.A., Illinois; Ph.D., Colorado.
- Charles W. Brown, *Captain, United States Army, Assistant Professor of Military Science*, 1960.
B.S., New Mexico Military Institute.
- Charles Thomas Bruce, *Instructor in English*, 1956.
B.A., M.A., Ph.D., Texas Technological College.
- Henry Edsel Buchanan, *Part-time Instructor in Health, Physical Education, and Recreation for Men and Director of Intramural Sports for Men*, 1956.
B.S., M.A., Michigan.

³ On leave, 1960-1961.⁴ On leave, 1960-1961.

82 GENERAL INFORMATION BULLETIN

- Donald Eugene Bumpass, *Part-time Instructor in Education*, 1960.
B.S., M.S., Texas Technological College.
- Faye Laverne Bumpass, *Associate Professor of English and Associate Professor of Spanish*, 1943, 1959.
B.A., M.A., Texas Technological College; D.Litt., San Marcos University (Lima, Peru).
- Charles Louis Burford, *Instructor in Industrial Engineering and Engineering Drawing*, 1957.
B.S. in M.E., Texas Technological College.
- Diane Elizabeth Burke, *Instructor in Health, Physical Education, and Recreation for Women*, 1960.
B.F.A., Boston Conservatory of Music.
- Melitta Sakuntala Buzzard, *Part-time Instructor in Foreign Languages*, 1960.¹
- William Louis Byrd, Jr., *Instructor in Marketing*, 1958.²
B.A., Baylor.
- Shirley Mae Cadle, *Instructor in Speech*, 1959.
B.A., Florida; M.F.A., Oklahoma.
- William Gaston Cain, Jr., *Associate Professor of Management*, 1955.
B.S.C., M.A., Ph.D., Iowa.
- Charlotte Ballow Camp, *Assistant Professor of Child Development and Family Relations*, 1946, 1953.
B.S., M.S., Texas Technological College.
- Earl D. Camp, *Professor and Head Department of Biology*, 1945, 1959.
B.S., Texas Technological College; M.S., New Mexico; Ph.D., Iowa.
- Truman Wildes Camp, *Professor and Head Department of English*, 1935, 1949.
B.A., Ph.D., Yale.
- Geraline Patterson Caraway, *Part-time Instructor in Mathematics*, 1956.
B.A., East Central State; M.E., Texas Technological College.
- Mary Sue Carlock, *Assistant Professor of English*, 1952, 1958.
B.A., Southern Methodist University; M.A., Texas; Ph.D., Columbia.
- Denzel Loren Carmichael, *Professor of Business Education and Secretarial Administration*, 1960.
B.S., Ball State Teachers College; M.B.A., Indiana; Ph.D., Ohio State.
- Dustin E. Carpenter, *Major, United States Air Force, Assistant Professor of Air Science*, 1959.
B.A., Ohio State.
- Ila Mae Carpenter, *Instructor in Mathematics*, 1956.
B.S., East Texas State; M.S., Texas Technological College.
- James B. Carvey, *Colonel, United States Army, Professor of Military Science*, 1957.
B.S., United States Military Academy.
- Ray Leon Chappelle, *Professor and Head Department of Agricultural Education*, 1936, 1937.
B.S., Agricultural and Mechanical College of Texas; M.S., Texas Technological College.
- Carl John Childers, Jr., *Assistant Professor of Architecture and Allied Arts*, 1959.
B. of Arch., Texas Technological College; Reg. Arch. (Texas).

¹ Fall Semester, 1960.

² Fall Semester, 1960.

- Samuel Whitten Chisholm, *Associate Professor of Accounting*, 1957.
B.B.A., M.B.A., Texas Technological College; C.P.A.
- James Ingraham Clark, *Assistant Professor of Architecture and Allied Arts*, 1958.⁷
B.S. in Arch., Michigan.
- Vernon Thomas Clover, *Professor of Economics*, 1947, 1953.
B.S., M.S., Fort Hays Kansas State College; Ph.D., Colorado.
- Aldrena Beatrix Cobb, *Professor of Psychology and Director Rehabilitation Counselor Training Program*, 1958.
B.S., West Texas State; M.S., North Texas State; Ph.D., Texas.
- John William Cobb, Jr., *Assistant Professor of Health, Physical Education, and Recreation for Men*, 1958.
B.S., University of Corpus Christi; M.E., Texas Technological College; P.E.D., Indiana.
- Mary Ann Cobb, *Part-time Instructor in Health, Physical Education, and Recreation for Women*, 1959.
B.S.E., Henderson State Teachers; M.Ed., Texas Technological College.
- John Francis Conley, Jr., *Assistant Football Coach*, 1961.⁸
B.S., M.S., Kansas State College.
- Seymour Vaughan Connor, *Professor of History and Director of Southwest Collection*, 1955, 1956.
B.A., M.A., Ph.D., Texas.
- Frank Gordon Coolsen, *Professor of Marketing*, 1959.
B.S., Northwestern University; M.S., Ph.D., Illinois.
- Mabel Goff Coolsen, *Part-time Assistant Professor of History*, 1960.
A.B., Knox College; M.A., Ph.D., Illinois.
- Lewis Briscoe Cooper, *Professor of Education*, 1938, 1952.
B.S., North Texas State; M.A., Texas; Ph.D., University of Cincinnati.
- Mildred Lucile Corhn, *Assistant Professor of Education*, 1950, 1959.
B.A., Texas; M.Ed., Texas Technological College.
- Ruth Evans Cowart, *Instructor in Government*, 1957.
B.A., M.A., Texas Technological College.
- Gilford William Cox, *Assistant Professor of Accounting*, 1955, 1956.
B.B.A., Texas Technological College; M.S., Agricultural and Mechanical College of Texas; C.P.A.
- John Paul Craig, *Assistant Professor of Electrical Engineering*, 1957.
B.S. in E.E., Texas Technological College.
- Duane Austin Crawford, *Assistant Professor of Petroleum Engineering*, 1958.
B.S., Missouri School of Mines; M.S., Pennsylvania State.
- James Cecil Cross, *Professor of Biology*, 1948, 1959.
A.B., Southwestern University; M.A., Ph.D., Texas.
- Billy Glenn Cumbie, *Assistant Professor of Biology*, 1958, 1959.
B.S., M.S., Texas Technological College; Ph.D., Texas.
- Samuel Everett Curl, *Instructor in Animal Husbandry*, 1961.⁹
B.S., Sam Houston State Teachers College; M.S., Missouri.

⁷ On leave, 1960-1961.⁸ Appointed, Feb. 1, 1961.⁹ Spring Semester, 1961.

84 GENERAL INFORMATION BULLETIN

- Mary Burwell Dabney, *Professor and Head Department of Health, Physical Education, and Recreation for Women*, 1952, 1957.
B.S., College of William and Mary; M.A., Ed.D., Columbia.
- Charles Edwin Dale, *Associate Professor of Finance*, 1956, 1960.
B.A., Texas Technological College; LL.B., Baylor.
- Wendell Butler Daniel, *Instructor in English*, 1957.¹⁰
B.A., Texas; M.A., Texas Technological College.
- Raymond Leon Davidson, *Associate Professor of Education*, 1949, 1955.
A.B., Clarendon College; M.A., Texas Technological College; Ed.D., Texas.
- James William Davis, *Professor and Head Department of Government*, 1938, 1944.
B.A., Agricultural and Mechanical College of Texas; M.A., Ph.D., Texas.
- Kenneth Waldron Davis, *Instructor in English*, 1955.
B.A., Texas Technological College; M.A., Vanderbilt.
- James Wendell Day, *Associate Professor of Physics*, 1946, 1957.
B.A., Hardin-Simmons; M.A., Texas.
- Charles Garfield Decker, *Professor of Civil Engineering*, 1938, 1956.
B.S. in C.E., M.S. in E., Michigan; Reg. Prof. Engr. (Texas).
- Harry De La Rue, *Assistant Professor of History*, 1956.
A.B., Ohio; A.M., University of Chicago.
- Joe Dennis, *Professor and Head Department of Chemistry*, 1938, 1950.
B.A., Austin College; M.A., Ph.D., Texas.
- John Gordon Dennis, *Assistant Professor of Geology*, 1956.
B.Sc., University of London; M.A., Ph.D., Columbia.
- Merton Lynn Dillon, *Associate Professor of History*, 1956, 1959.
A.B., Michigan State Normal College; M.A., Ph.D., Michigan.
- Timothy Paul Donovan, *Assistant Professor of History*, 1960.
B.A., M.A., Ph.D., Oklahoma.
- John Clarkson Dowling, *Professor and Head Department of Foreign Languages*, 1953.
B.A., Colorado; M.A., Ph.D., Wisconsin.
- Arthur Lincoln Draper, *Assistant Professor of Chemistry*, 1959.
B.A., M.A., Ph.D., Rice.
- Lola Marie Drew, *Associate Professor of Home Management*, 1946, 1949.
B.S., Texas State College for Women; M.A., Columbia.
- Richard Albert Dudek, *Professor and Head Department of Industrial Engineering and Engineering Drawing*, 1958.
B.S. in M.E., Nebraska; M.S. in I.E., Ph.D., Iowa; Reg. Prof. Engr. (Iowa).
- William Lyon Ducker, *Professor and Head Department of Petroleum Engineering*, 1948.
B.S., Oklahoma; Reg. Prof. Engr. (Texas; Oklahoma).
- John Walter Duke, *Instructor in Mathematics*, 1961.¹¹
B.A., North Texas State; M.S., Texas Technological College.
- Roy Sylvan Dunn, *Assistant Professor of Sociology and Archivist of Southwest Collection*, 1956, 1960.
B.A., M.A., Texas.

¹⁰ On leave, 1960-1961.

¹¹ Spring Semester, 1961.

- Richard Duran, *Associate Professor of Architecture*, 1951, 1956.
B.A., Florida; M.S., Illinois Institute of Technology; Reg. Arch. (Texas).
- Ralph Marion Durham, *Professor and Head Department of Animal Husbandry*, 1959.
B.S., Colorado State University; M.S., Ph.D., Wisconsin.
- Billy Howard Easter, *Assistant Professor of Electrical Engineering*, 1955.
B.S., Texas Technological College; S.M., Massachusetts Institute of Technology; Reg. Prof. Engr. (Texas).
- Luta Pelham Eaves, *Assistant Professor of Accounting*, 1942.
B.B.A., M.B.A., Texas Technological College.
- Floyd Eugene Eddleman, *Instructor in English*, 1958.
B.S.E., Arkansas State Teachers; M.A., Arkansas.
- Andrew Joseph Edmondson, Jr., *Instructor in Mechanical Engineering*, 1957, 1960.
B.S., Texas Technological College; M.S., Pennsylvania State.
- Thomas Jefferson Edwards, *Part-time Instructor in Accounting*, 1951.
B.B.A., Texas Technological College; M.B.A., Texas; C.F.A.
- George O. Elle, *Professor of Horticulture and Park Management and Assistant Dean of Agriculture*, 1938, 1956.
B.S., Oregon State; M.S., Texas Technological College; Ph.D., Cornell.
- Raymond Pruitt Elliott, *Professor of Music*, 1950, 1960.
B.M., M.S., Kansas.
- James Alvis Ellis, *Part-time Instructor in Government*, 1946, 1952.
B.A., Texas Technological College.
- Paul Raymond Ellsworth, *Assistant Professor of Music*, 1954, 1959.
A.B., Hillsdale College; M.A., Columbia.
- Laura Katherine Evans, *Associate Professor of Education*, 1951.¹²
B.S., Eastern Kentucky State; M.A., George Peabody College.
- Billy Cotton Everton, *Instructor in Education*, 1958, 1960.
B.S., B.A., Texas State College for Women; M.Ed., Texas Technological College.
- Charlotte Keith Ewing, *Assistant Professor of Business Education and Secretarial Administration*, 1954, 1960.
B.A., M.A., Texas State College for Women.
- Berlie Joseph Fallon, *Associate Professor of Education and Executive Secretary of the West Texas School Study Council*, 1955, 1958.
B.A., Daniel Baker College; M.Ed., Texas Technological College; Ed.D., Colorado.
- Bernard Emmitt Farrell, *Instructor in Architecture and Allied Arts*, 1956.
B.F.A., M.F.A., Cranbrook Academy of Art.
- Zelda Mae Clarkson Farrell, *Instructor in Architecture and Allied Arts*, 1956, 1960.
B.F.A., M.F.A., Cranbrook Academy of Art.
- William Beattie Feathers, *Part-time Instructor in Health, Physical Education, and Recreation for Men, Assistant Football Coach and Head Baseball Coach*, 1954.¹³
B.S., Tennessee.

¹² On leave, 1960-1961.¹³ Fall Semester, 1960.

- Raymond Kennett Flege, *Professor and Head Department of Textile Engineering and Coordinator for Textile Research Laboratories*, 1954, 1959.
A.B., M.S., Kentucky; M.S. in Chem. Engr., Massachusetts Institute of Technology.
- Stanley Dale Foreman, *Assistant Professor in Civil Engineering*, 1956, 1960.
B.S., Texas Technological College; M.S. in C. Engr., Colorado.
- Elfrieda Frank, *Associate Professor of Foreign Languages*, 1956, 1957.
Litt.D., University of Milan; M.A., Bryn Mawr College; Ph.D., Virginia.
- Gordon Fuller, *Professor of Mathematics*, 1950.
B.A., West Texas State; M.A., Ph.D., Michigan.
- Sterling Hale Fuller, *Professor of Government*, 1950, 1957.
B.S., M.A., Oklahoma; Ph.D., Texas.
- Sui-An Fung, *Associate Professor of Mechanical Engineering*, 1959.
B.S., National Central University; M.S., University of Rochester.
- Neva Rogers Gahring, *Instructor in English*, 1947.¹⁴
B.A., M.A., Oklahoma.
- James Rankin Gammill, *Assistant Professor of Education*, 1952, 1956.
B.S. in Ed., M.Ed., D.Ed., Texas Technological College.
- Clarence Gerald Gardner, *Assistant Professor of Physics*, 1960.
B.S., Mississippi State; Ph.D., Vanderbilt.
- Wallace Earl Garets, *Professor and Head Department of Journalism*, 1956, 1957.
B.S., M.S., Idaho.
- Raymond Ernest Garlin, *Professor of Education*, 1927, 1943.
B.A., M.A., Ph.D., Texas.
- Dorothy Taft Garner, *Assistant Dean of Women in Charge of Residence Hall Supervision for Women*, 1956.
B.A., M.A., M.Ed., Oklahoma.
- Eunice Joiner Gates, *Professor of Foreign Languages*, 1925, 1945.
B.A., M.A., Southwestern University; M.A., Michigan; Ph.D., Pennsylvania.
- William Bryan Gates, *Professor of English and Dean of the Graduate School*, 1925, 1950.
B.S., Millsaps College; M.A., Vanderbilt; M.A., Michigan; Ph.D., Pennsylvania.
- Mary Agnes Gerlach, *Assistant Professor of Clothing and Textiles*, 1955.
B.Sc., M.A., Nebraska.
- Winnifred Garland Gifford, *Assistant Professor of Home and Family Life*, 1949.
B.S., Illinois, M.S., Iowa State College.
- William Joe Gillespie, *Part-time Instructor in Finance*, 1955.
B.B.A., Texas Technological College; LL.B., Texas.
- Everett Alden Gillis, *Professor of English*, 1949, 1956.
B.A., M.A., Texas Christian University; Ph.D., Texas.
- Earl Howard Gilmore, *Associate Professor of Mathematics*, 1958.
B.S., M.S., Texas Technological College; Ph.D., California.
- John Clifford Gleason, *Instructor in Music*, 1960.
B.Mus., M.Mus., Michigan.

¹⁴ On leave, Spring Semester, 1961.

- John Everett Godfrey, Jr., *Instructor in English*, 1958.
A.B., Moravian College; M.A., Lehigh University.
- Howard Eldon Golden, *Associate Professor of Marketing*, 1946.
B.S., West Texas State; Ph.D., Missouri.
- Bob Frank Goodson, *Instructor in Electrical Engineering*, 1956, 1957.
B.S. in E.E., Texas Technological College; Reg. Prof. Engr. (Texas; New Mexico).
- William Marcus Gosdin, *Part-time Instructor in Horticulture and Park Management and Superintendent of Care and Maintenance of Grounds*, 1949, 1953.
B.S., M.S., Texas Technological College.
- Edna Maynard Gott, *Part-time Instructor in Economics*, 1954.
B.A., Texas; M.A., Texas Technological College.
- Preston Frazier Gott, *Associate Professor of Physics*, 1949, 1957.
B.S., M.A., Texas.
- Lyman Moody Graham, Jr., *Assistant Professor of Engineering Drawing*, 1956, 1959.
B.S., M.S., North Texas State.
- James Wilton Graves, *Assistant Professor of Agricultural Economics*, 1961.¹⁵
B.S., Cornell; M.S., Agricultural and Mechanical College of Texas.
- Lawrence Lester Graves, *Associate Professor of History*, 1955, 1957.
A.B., Missouri; M.A., University of Rochester; Ph.D., Wisconsin.
- Lola Beth Green, *Associate Professor of English*, 1946, 1959.
B.A., M.A., Texas Technological College; Ph.D., Texas.
- Merrill Green, *Assistant Football Coach*, 1961.¹⁶
B.B.A., Oklahoma.
- Raymond Ackerly Green, *Assistant Professor of Accounting*, 1956, 1960.
B.S., Abilene Christian College; M.A., Hardin-Simmons.
- Virginia Lee Greenhill, *Assistant Catalog Librarian*, 1960.
B.A., North Texas State.
- Horace Ernest Griffith, *Part-time Instructor in Government*, 1952.
B.A., Texas Technological College; LL.B., Georgetown University.
- Leonard Lee Grigsby, *Assistant Professor of Electrical Engineering*, 1957, 1960.
B.S. in E.E., Texas Technological College.
- John Caldwell Guilds, Jr., *Professor of English*, 1956, 1959.
A.B., Wofford College; A.M., Ph.D., Duke.
- Alan Murray Finlay Gunn, *Professor of English*, 1939, 1949.
B.A., Huron College; M.A., University of Denver; Ph.D., Princeton.
- Thomas Earle Hamilton, *Professor of Spanish*, 1940, 1955.
B.A., M.A., Southern Methodist University; Ph.D., Texas.
- Paul Dean Hanna, Jr., *Part-time Instructor in Architecture and Allied Arts*, 1960.¹⁷
B.A., Austin College.
- Fred George Harbaugh, *Professor of Veterinary Science and Animal Husbandry and Veterinarian*, 1927, 1941.
B.S., D.V.M., Iowa State College.

¹⁵ Appointed, Feb. 1, 1961.¹⁶ Appointed, Feb. 1, 1961.¹⁷ Appointed, Nov. 1, 1960.

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- John Elzie Harding, *Assistant Professor of Management*, 1937, 1941.
B.A., B.F.A., Howard Payne College; M.A., Texas Technological College.
- Charles Sidney Hardwick, *Part-time Instructor in Philosophy*, 1960.
B.A., M.A., Texas Technological College.
- Levi Marlin Hargrave, *Associate Professor of Agricultural Education*, 1946.
B.S., M.S., Texas Technological College.
- Rae Lawrence Harris, Jr., *Assistant Professor of Geology*, 1957.
B.S., Oregon State; Ph.D., Columbia.
- Clark Harvey, *Associate Professor of Agronomy*, 1954, 1956.
B.S., West Texas State; B.S., Agricultural and Mechanical College of Texas; M.S., Ph.D., Iowa State College.
- Albert Zadok Hays, Jr., *Part-time Instructor in Education*, 1960.
B.A., M.E., Texas Technological College.
- Emmett Allen Hazlewood, *Professor and Head Department of Mathematics*, 1939, 1948.
B.S., West Texas State; M.A., Ph.D., Cornell.
- George Gail Heather, *Professor of Economics and Dean of Business Administration*, 1950.
B.S., Southwest Missouri State; M.A., Ph.D., Iowa.
- Ellis Richard Heineman, *Professor of Mathematics and Coordinator of Freshman Mathematics*, 1928, 1947.
B.A., M.A., Wisconsin.
- Donald Jacob Helmers, *Associate Professor of Mechanical Engineering*, 1948, 1957.
B.S., Texas Technological College; M.S., Michigan; Reg. Prof. Engr. (Texas).
- Gene LeClair Hemmle, *Professor and Head Department of Music*, 1949.
B.Mus., Southern Methodist University; M.A., Ed.D., Columbia.
- Gail Tyson Henderson, *Instructor in Biology*, 1956, 1957.
B.S., Texas Technological College.
- Nolon Henson, Jr., *Instructor in Physics*, 1957.
B.S., West Texas State.
- Lyle Edward Hessler, *Research Associate and Professor, Textile Research Laboratories*, 1949, 1959.¹⁸
B. of Chem., M.S., Ph.D., Minnesota.
- Carol Anne Conway Hilton, *Instructor in English*, 1958.
B.A., DePauw University; A.M., Boston University.
- Gladys Keen Holden, *Assistant Professor of Food and Nutrition*, 1945, 1955.
B.A., Simmons University; M.S., Texas Technological College.
- William Curry Holden, *Professor of History and Director of The Museum*, 1929, 1954.
B.A., M.A., Ph.D., Texas.
- Edna Nawanna Houghton, *Associate Professor of Architecture and Allied Arts*, 1932, 1957.
B.S. in A.E., Texas Technological College; B.A. in F.A., University of Southern California.
- Charles Ernest Houston, *Professor of Electrical Engineering*, 1932, 1957.
B.S. in E.E., M.A., Texas Technological College.

¹⁸ Deceased, Jan. 23, 1961.

- Amos H. Howard, Jr., *Part-time Instructor in Finance*, 1950.
B.A., Texas Technological College; LL.B., Texas.
- James Dean Howze, *Instructor in Architecture and Allied Arts*, 1958.
B.A., Austin College; M.S., Michigan.
- Dorothy Beatrice Hoyle, *Assistant Professor of Health, Physical Education, and Recreation for Women*, 1951, 1953.
B.S., M.A., Texas State College for Women.
- Chester Burl Hubbard, *Assistant Professor of Management*, 1947, 1952.
B.S., Texas Technological College.
- Ellis Wright Huddleston, *Assistant Professor of Horticulture and Park Management and Assistant Professor of Biology*, 1960.
B.S. in Agri., Texas Technological College; M.S., Ph.D., Cornell.
- Frank Alden Hudson, *Assistant Professor of Animal Husbandry*, 1960.
B.S., Arizona State University; M.S., New Mexico State; Ph.D., Oregon State.
- Charles Finley Huey, *Associate Reference Librarian*, 1958.
B.S., North Texas State.
- George Berl Huffman, *Freshman Football Coach and Varsity Baseball Coach*, 1961.¹⁹
B.A., Trinity University.
- Alexander Pope Hull, Jr., *Assistant Professor of Foreign Languages*, 1956, 1957.
B.S., Ph.D., Virginia.
- George Roswell Hull, *Lieutenant Colonel, United States Air Force, Professor of Air Science*, 1960.
B.A., Moorhead State College; M.B.A., University of Chicago.
- John Ray Hunter, *Instructor in Agronomy*, 1958.
B.S., Hardin College (Midwestern University); M.Ed., Texas Technological College.
- Russell Briggs Irvin, *Part-time Instructor in Finance and Consultant*, 1951, 1952.
A.B., Hardin-Simmons; M.A., LL.B., Texas.
- Alonzo David Jacka, *Assistant Professor of Geology*, 1959.
B.S., Beloit College; M.S., Wisconsin; Ph.D., Rice.
- J. W. Jackson, *Professor of Government*, 1929, 1946.
B.A., M.A., Texas Technological College.
- William Albert Jackson, *Part-time Instructor in Government*, 1955.²⁰
B.A., Texas Technological College; LL.B., Georgetown University.
- Sterling Walker James, Jr., *Part-time Instructor in Speech*, 1960.
B.A., M.A., Baylor; M.F.A., Western Reserve University.
- Ray Curtis Janeway, *Librarian*, 1949.
B.A., Kansas; B.S. in L.S., M.S., Illinois.
- Edgar Ray Jarman, *Assistant Professor of Dairy Industry*, 1955, 1959.²¹
B.S., M.S., Tennessee.
- Chester Cartwright Jaynes, *Assistant Professor of Agronomy*, 1951, 1957.
B.S., M.S., Texas Technological College.

¹⁹ Appointed, Jan. 1, 1961.²⁰ Fall Semester, 1960.²¹ On leave, 1960-1961.

- William Loyd Jenkins, *Associate Professor of Industrial Engineering and Engineering Drawing*, 1946, 1959.
B.S., Texas Technological College; M.S. in S.E., Georgia Institute of Technology; Reg. Prof. Engr. (Texas).
- William Morley Jennings, *Professor of Health, Physical Education, and Recreation for Men*, 1941.
B.S., Mississippi Agricultural and Mechanical College.
- Donnie Joe Johnson, *Instructor in Horticulture and Park Management*, 1960.
B.S. in Agri., Texas Technological College.
- Philip Johnson, *Associate Professor of Petroleum Engineering*, 1947, 1957.
B.S., Texas Technological College; Reg. Prof. Engr. (Texas).
- George Hilton Jones, *Assistant Professor of History*, 1958.²²
B.A., Louisiana State University; D.Phil., Oxford.
- Lewis Norten Jones, *Dean of Men*, 1947, 1953.
B.S., M.A., Texas Technological College.
- Sylvan Julian Kaplan, *Professor and Head Department of Psychology*, 1954.
B.A., M.A., Texas; Ph.D., Stanford University.
- Don Eldon Kash, *Instructor in Government*, 1960.
B.A., M.A., State University of Iowa.
- Fred Emil Katz, *Assistant Professor of Sociology*, 1960.
A.B., Guilford College; M.A., North Carolina.
- Cliff Hutchinson Keho, *Associate Professor of Civil Engineering*, 1957.
B.S., Swarthmore College; M.S., Harvard; Reg. Prof. Engr. (Texas).
- David Humiston Kelley, *Assistant Professor of Anthropology*, 1958.
B.A., Ph.D., Harvard.
- Sabe McClain Kennedy, *Professor of Government and Dean of Arts and Sciences*, 1946, 1959.
B.A., M.A., Texas Technological College; Ph.D., Colorado.
- Sarah Ann Nix Kennedy, *Part-time Instructor in Mathematics*, 1958, 1960.
B.S., M.S., Texas Technological College.
- Gene Kenney, *Assistant Professor of Music*, 1957, 1960.
B.S., Emporia State Teachers; M.M., Southern Methodist University.
- Ernst Willie Kiesling, *Assistant Professor of Civil Engineering*, 1956, 1959.
B.S. in M.E., Texas Technological College; M.S. in Applied Mechanics, Michigan State.
- Ernestine Dolores Kilchenstein, *Instructor in Business Education and Secretarial Administration*, 1957, 1959.
B.B.A., M.B.A., Texas Technological College.
- Marlin Dean Killion, *Assistant Professor of Music and Director of Bands*, 1959.
B.M.E., M.M., Nebraska.
- Clarence E. Kincaid, Jr., *Associate Professor of Applied Arts*, 1960.
B.S., M.E., West Texas State; Ed.D., Pennsylvania State.
- Lila Allred Kinchen, *Associate Professor of Clothing and Textiles*, 1939, 1955.
B.S., M.S., Texas Technological College.
- Oscar Arvle Kinchen, *Professor of History*, 1929, 1939.
B.A., M.A., Oklahoma; Ph.D., Iowa.

²² On leave, 1960-1961.

- Gertrud Dora Susanne King, *Part-time Instructor in German*, 1960.
Graduate, Paedagogische Hochschule.
- J. T. King, *Head Football Coach*, 1958, 1960.²³
B.S. in Ed., Texas.
- Jack Gaylord King, *Visiting Assistant Professor of Agronomy*, 1960.²⁴
B.S., M.S., Nebraska.
- Keneth Kinnamon, *Instructor in English*, 1956.
B.A., Texas; A.M., Harvard.
- Ramon Walter Kireilis, *Professor and Head Department of Health, Physical Education, and Recreation for Men*, 1950.
B.S., M.S., Illinois; Pe.D., Indiana.
- Florian Arthur Kleinschmidt, *Professor of Architecture and Allied Arts*, 1928, 1953.
B.S. in Arch., Minnesota; M. in Arch., Harvard; Reg. Arch. (Texas).
- Elmer Myler Knowles, *Professor and Head Department of Home and Family Life*, 1957.
B.S., M.S., Utah State Agricultural College; Ph.D., Cornell.
- Lyle Carlton Kuhnley, *Assistant Professor of Biology*, 1959.
B.A., Minnesota; M.A., Texas.
- James Edward Kuntz, *Professor of Psychology and Director, Testing and Counseling Center*, 1951, 1959.
B.S., M.S., Fort Hays Kansas State College; Ph.D., Purdue.
- Roy Clem Lacy, *Part-time Instructor in English*, 1955, 1960.
B.A., Abilene Christian College; M.A., Texas Christian University.
- Matt Richard Lair, Jr., *Assistant Football Coach*, 1961.²⁵
A.B., M.A., University of Kentucky.
- Frank Richard LaMar, *Instructor in Music*, 1956.²⁶
B.M., M.M., Florida State University.
- Mina Wolf Lamb, *Professor and Head Department of Food and Nutrition*, 1940, 1955.
B.A., M.S., Texas Technological College; Ph.D., Columbia.
- Bernard Alter Landes, *Assistant Professor of Speech and Assistant Professor of Psychology and Director of the Hearing Clinic*, 1957, 1960.
B.S., M.S., Purdue; Ph.D., Michigan.
- Milton Frederic Landwer, *Professor of Zoology*, 1927, 1949.
B.S., Northwestern University; M.A., Nebraska; Ph.D., Michigan.
- Paul Merville Larson, *Professor and Head Department of Speech*, 1950.
B.S., M.S., Kansas State; Ph.D., Northwestern University.
- James Harold Lawrence, Jr., *Assistant Professor of Mechanical Engineering*, 1956, 1960.
B.S. in M.E., M.S. in M.E., Texas Technological College.
- Charles Alfred Lawrie, *Assistant Professor of Music*, 1957, 1960.
B.Mus., M.Mus., Northwestern University.

²³ Appointed Head Football Coach, Jan. 1, 1961.

²⁴ Fall Semester, 1960.

²⁵ Appointed, Jan. 1, 1961.

²⁶ On leave, 1960-1961; resigned, Jan. 1, 1961.

- Thomas Luther Leach, *Professor of Agricultural Education*, 1937, 1948.
B.S., M.S., Texas Technological College.
- Samuel Hunt Lee, Jr., *Associate Professor of Chemistry*, 1951, 1953.
B.S., Texas; Ph.D., Ohio State.
- Elbert Walter LeFevre, *Instructor in Civil Engineering*, 1958.
B.S., Agricultural and Mechanical College of Texas.
- Archie Leroy Leonard, *Associate Professor of Agricultural Economics*, 1947.
B.S., M.S., Oklahoma State.
- Lester Samuel Levy, *Associate Professor of Economics*, 1955, 1959.
B.A., Rutgers University; M.A., Ph.D., Cornell.
- Quanah Belle Lewis, *Assistant Professor of English*, 1946, 1959.
B.F.A., Oklahoma; M.A., Texas Technological College.
- Truman Orville Lewis, *Instructor in Mathematics*, 1960.
B.S., M.S., Texas Technological College.
- Helen Alma Lindell, *Assistant Professor of Speech*, 1948, 1949.
B.A., Washburn University; M.A., Wisconsin.
- Lee Claire Lindenmeier, *Associate Professor of Engineering Drawing*, 1957.
B.S. in C.E., Colorado Agricultural and Mechanical College; M.A. in Ed., Colorado State College of Education.
- Ivan Lee Little, *Professor of Philosophy and Assistant Dean of Arts and Sciences*, 1946, 1959.
B.A., Texas Technological College; M.A., Ph.D., Nebraska.
- Thomas Brooks Livingston, *Professor of Education and Director of Teacher Certification*, 1949, 1958.
B.S., M.S., North Texas State; Ed.D., Stanford University.
- Robert Ivan Lockard, *Professor of Architecture*, 1935, 1953.
B.S., M.S., Kansas State; Reg. Arch. (Texas).
- Troy Allen Lockard, *Assistant Professor of Applied Arts*, 1937, 1948.
B.S., M.A., Texas State College for Women.
- Billy Clarence Lockhart, *Professor and Head Department of Applied Arts*, 1955, 1960.
B.S., West Texas State; M.Ed., D.Ed., Pennsylvania State.
- Sue Tyson Lovett, *Part-time Instructor in Music*, 1960.²⁷
B.S., M.Ed., Texas Technological College.
- Laura Louise Luchsinger, *Assistant Professor of Marketing*, 1954, 1960.
B.S.B.A., Arkansas; M.B.A., Texas Technological College.
- Gloria Ruth Lyerla, *Periodicals Librarian*, 1952, 1953.
B.S., M.S., North Texas State.
- Edmond Morgan MacCollin, *Professor of Architecture and Allied Arts*, 1958.
B. in Arch., Yale; M. in Arch., Cornell; Reg. Arch. (Oregon).
- Frances Kells MacCollin, *Instructor in Architecture and Allied Arts*, 1958.
B.A., Yale.
- Raymond DeElmont Mack, *Assistant Professor of Government*, 1946, 1957.
B.A., Texas Christian University; M.A., Texas.
- Horace Jurs MacKenzie, *Associate Professor of Industrial Engineering and Engineering Drawing*, 1949, 1956.
B.S. in I.E., Texas Technological College; M.S., Oklahoma State; Reg. Prof. Engr. (Texas).

²⁷ Spring Semester, 1961.

- Joseph D. Macklin, *Captain, United States Army*, 1960.
B.S., United States Military Academy.
- Glen Alan Mann, *Assistant Professor of Physics*, 1960.
B.S., M.S., Ph.D., Michigan State.
- William Mann, *Professor of Mechanical Engineering*, 1959.²⁸
S.B., S.M., Massachusetts Institute of Technology.
- Thomas Green Manning, *Associate Professor of History*, 1956.²⁹
B.A., Ph.D., Yale.
- Sylvia Delia Mariner, *Assistant Professor of Speech*, 1956.
B.A., Des Moines College; M.A., Iowa.
- Keith Robert Marmion, *Assistant Professor of Civil Engineering*, 1955, 1957.³⁰
B.S. in C.E., University of Denver; M.S. in C.E., Colorado; Reg. Prof. Engr. (Texas).
- Robert Edward Martin, *Associate Professor of Mechanical Engineering*, 1954, 1957.
B.S., Texas Technological College; M.S., Wisconsin; Reg. Prof. Engr. (Texas).
- Ruby Cannon Martin, *Instructor in Food and Nutrition*, 1957, 1960.
B.S., M.S., Texas Technological College.
- William Ryall Martin, *Instructor in Government*, 1960.
B.A., Princeton; M.A., Oklahoma.
- George Suleiman Masannat, *Instructor in Government*, 1960.
B.A., Millikin University; M.A., Louisiana State University.
- Janice Massannat, *Assistant Reference Librarian*, 1960.
B.A., Millikin University; M.S., Louisiana State University.
- Robert Louis Mason, *Professor of Mechanical Engineering and Supervising Engineer*, 1942, 1961.
B.S. in M.E., Texas Technological College; M.S. in M.E., Kansas State; Reg. Prof. Engr. (Texas).
- Harold Leon Mathes, *Instructor in Agricultural Economics*, 1960.
B.S. in Agri., Texas Technological College.
- Richard Benjamin Mattox, *Professor of Geology*, 1954, 1957.
B.A., M.S., Miami (Ohio); Ph.D., Iowa.
- Lida Belle May, *Assistant Professor of Mathematics*, 1938, 1946.³¹
B.A., Alabama; M.A., Texas.
- Darrell Keith McCarty, *Assistant Professor of Music*, 1953, 1959.
B.S., B.M., M.M., Illinois.
- Mary Helen McCarty, *Part-time Instructor in Music*, 1953.³²
B.M., Indiana; M.M., Illinois.
- Joseph Thomas McCullen, Jr., *Professor of English*, 1949, 1955.
B.A., M.A., Ph.D., North Carolina.
- James Richard McDonald, *Instructor in Civil Engineering*, 1958.³³
B.S., Texas Technological College.

²⁸ Deceased, Dec. 2, 1960.²⁹ On leave, 1960-1961.³⁰ On leave, 1960-1961.³¹ On leave, 1960-1961; retired, Nov. 30, 1960.³² Spring Semester, 1961.³³ On leave, 1960-1961.

- Sarah Evelyn McGarrity, *Instructor in Music*, 1959.
B.M., Wesleyan College; M.M., Indiana.
- Lillian Etta McGlothlin, *Assistant Professor of Mathematics*, 1947, 1959.
B.A., M.A., Texas.
- Seth Shepard McKay, *Professor of History*, 1928.
B.A., M.A., Texas; Ph.D., Pennsylvania.
- James Faber McNally, *Instructor in Health, Physical Education, and Recreation for Men and Swimming Coach*, 1952, 1957.
B.S., Oklahoma; M.Ed., Texas Technological College.
- Clara Mueller McPherson, *Instructor in Food and Nutrition*, 1947, 1959.
B.S., M.S., Texas Technological College.
- Clinton Marsud McPherson, *Assistant Professor of Chemistry*, 1956, 1960.
B.S., M.Ed., Ed.D., Texas Technological College.
- George Peyton Mecham, *Professor of Education*, 1951, 1957.
B.S., North Texas State; M.A., Columbia; Ph.D., George Peabody College.
- Robert Doshier Meeks, *Instructor in Electrical Engineering*, 1958, 1959.
B.S., Texas Technological College.
- Zella Flowers Meeks, *Part-time Instructor in Applied Arts*, 1961.²⁴
B.S., Texas Technological College.
- William Howard Melching, *Associate Professor of Psychology*, 1954, 1957.
A.B., Indiana; M.A., Ph.D., California.
- William Walter Merrymon, *Professor of Physics*, 1948, 1957.
B.A., Missouri; M.A., Illinois; Ph.D., University of Chicago.
- Anna Lee Messer, *Assistant Professor of Clothing and Textiles*, 1960.
B.S., Berea College; M.S., Tennessee.
- Marie Agnes Miles, *Assistant Professor of English*, 1946, 1955.
B.A., West Texas State; M.A., Texas.
- Richard Newton Miller, *Instructor in Industrial Engineering and Engineering Drawing*, 1957, 1959.
B.S., Texas Technological College.
- Ronald Max Miller, *Instructor in Dairy Industry*, 1960.
B.S., Texas Technological College; M.S., Michigan State.
- Freedis Lloyd Mize, *Professor and Head Department of Management*, 1946, 1950.
B.S., Sul Ross State College; M.Ed., Ed.D., Oklahoma.
- Michael W. Modis, *Master Sergeant, United States Army, Instructor in Military Science*, 1955.
- Charlotte Monasch, *Assistant Catalog Librarian*, 1951, 1956.
- R. A. Moreland, Jr., *Assistant Professor of Mathematics*, 1953, 1959.²⁵
B.S., M.S., Texas Technological College.
- Edith Sue Morris, *Circulation Librarian*, 1958.
B.A. in L.S., North Texas State.
- Melvin Lee Morris, *Assistant Professor of Chemistry*, 1960.
B.S., M.S., Ph.D., Ohio State.

²⁴ Spring Semester, 1961.²⁵ On leave, 1960-1961.

- Sibyl Pirtle Morrison, *Reference Librarian*, 1947, 1956.
B.S., Texas Technological College; B.S. in L.S., California.
- Eugenia Morse, *Assistant Professor of Architecture and Allied Arts*, 1959.
B.A., B.S., Rice; Reg. Arch. (Texas; Louisiana).
- Elwyn Wade Morton, *Instructor in Mathematics*, 1955.
B.S., West Texas State; M.A., Texas.
- James Harold Murdough, *Professor and Head Department of Civil Engineering*, 1925, 1927.
S.B., Massachusetts Institute of Technology; M.S.E., Michigan; Reg. Prof. Engr. (Texas).
- Donald Van Dale Murphy, *Associate Professor of English*, 1926, 1935.
B.A., University of Tulsa; M.A., Columbia.
- Eithel Byron Murphy, *Part-time Instructor in Accounting*, 1961.³⁶
B.B.A., Texas Technological College.
- Levi Marshall Nagle, Jr., *Associate Professor of Education*, 1959.
A.B., M.Ed., Ed.D., Florida.
- Kline Allen Nall, *Professor of English and Chairman of Freshman English*, 1944, 1959.
B.A., M.A., Texas Technological College; Ph.D., Texas.
- Koy L. Neeley, *Associate Professor of Animal Husbandry*, 1948, 1955.³⁷
B.S., Texas Technological College; M.S., Agricultural and Mechanical College of Texas.
- Doris Nesbitt, *Associate Professor of Home Economics Education*, 1943, 1957.
B.A., Oklahoma; M.S., Iowa State College.
- Robert Lee Newell, *Professor of Mechanical Engineering and Assistant Dean of Engineering*, 1941, 1956.
B.S. in M.E., Texas Technological College; M.S. in M.E., Georgia Institute of Technology; Reg. Prof. Engr. (Texas).
- Fred Wayland Norwood, *Professor of Accounting*, 1950, 1955.
B.B.A., M.B.A., Mississippi; Ph.D., Texas; C.P.A.
- Aaron Gustaf Oberg, *Professor of Chemical Engineering*, 1936, 1949.
B.S., M.S., Ph.D., Colorado.
- Harley Dean Oberhelman, *Assistant Professor of Foreign Languages*, 1958.
B.S., M.A., Ph.D., Kansas.
- Hope Constance Oberhelman, *Part-time Instructor in Foreign Languages*, 1959, 1960.
B.A., Millikin University; M.A., Kansas.
- Coleman Art O'Brien, *Assistant Professor of Animal Husbandry*, 1947, 1955.
B.S., M.S., Agricultural and Mechanical College of Texas.
- William Eugene Oden, *Associate Professor of Government*, 1948, 1957.
B.A., M.A., Oklahoma; Ph.D., Indiana.
- Richard Kane O'Loughlin, *Part-time Professor of Psychology*, 1954.³⁸
M.D., Georgetown University Medical School.
- Dale James Osborn, *Assistant Professor of Biology*, 1960.
B.Sc., Colorado Agricultural and Mechanical College; M.Sc., Wyoming; Ph.D., McGill University.

³⁶ Spring Semester, 1961.³⁷ Resigned, Jan. 31, 1961.³⁸ Spring Semester, 1961.

- Robert Marshall Parker, *Associate Professor of Mathematics*, 1946, 1957.
B.A., M.A., Texas Technological College.
- Roderick Parkinson, *Assistant Professor of Architecture*, 1948, 1954.
B.S., M.S. in Ed., Texas Technological College.
- Clifford Marion Parrish, *Part-time Assistant Professor of Civil Engineering*, 1949, 1957.
B.S. in C.E., Texas Technological College; M.S., Illinois; Reg. Prof. Engr. (Texas).
- L. E. Parsons, *Professor of Textile Engineering*, 1942, 1945.
B.S., Texas Technological College; Reg. Prof. Engr. (Texas).
- William Robert Pasewark, *Professor and Head Department of Business Education and Secretarial Administration*, 1956, 1957.
B.S., M.A., Ph.D., New York University.
- William Martin Pearce, *Professor of History and Academic Vice President*, 1938, 1960.³⁹
B.A., Southern Methodist University; M.A., Texas Technological College; Ph.D., Texas.
- Milton Lester Peeples, *Associate Professor of Dairy Industry and Creamery Consultant and Research Specialist*, 1951, 1960.
B.S., M.S. in Agr., Texas Technological College; Ph.D., Ohio State.
- Frank M. Pender, *Captain, United States Army, Assistant Professor of Military Science*, 1960.
B.S., Louisiana State University.
- Annah Joe Pendleton, *Professor of Speech*, 1927, 1942.
B.A., Texas Christian University; M.A., Iowa.
- Andrew Clinton Pereboom, *Assistant Professor of Psychology*, 1956.
B.A., M.A., Ph.D., California.
- Conner Columbus Perryman, *Professor of Engineering Drawing*, 1929, 1947.
B.S., North Texas State; Reg. Prof. Engr. (Texas).
- George Rex Philbrick, *Associate Professor of Health, Physical Education, and Recreation for Men and Tennis Coach*, 1947, 1949.
B.S., Texas Technological College; M.Ed. in P.Ed., Texas.
- Aubrey Clyde Phillips, Jr., *Line Coach*, 1955, 1956.⁴⁰
B.S., Texas Technological College.
- Florence Louise Phillips, *Dean of Women*, 1954.
A.B., Marshall College; M.A., Michigan State; Ed.D., Indiana.
- Lynn A. Phillips, *Part-time Instructor in Mathematics*, 1954, 1960.
B.S., Hamilton College; M.A., Northwestern University.
- Willie Edward Phillips, *Assistant Professor of Physics*, 1958.
B.S., M.S., Mississippi State; B.D., Emory University; Ph.D., Vanderbilt.
- Pauline Dawn Pitts, *Assistant Catalog Librarian*, 1956.
B.A., Southeastern State; B.A. in L.S., Oklahoma; M.S., Illinois.
- James Edward Platz, *Associate Librarian*, 1949.
B.A., Lawrence College; B.S. in L.S., Illinois.
- Charles W. Post, *Instructor in Music*, 1957.
B.Mus., B.S., Colorado State University; M.A., University of Denver.

³⁹ Appointed, Sept. 17, 1960.

⁴⁰ Fall Semester, 1960.

- Billy Keith Power, *Assistant Professor of Textile Engineering and Assistant Professor of Engineering Drawing*, 1951, 1959.
B.S., Texas Technological College; M.S., Massachusetts Institute of Technology.
- Ruby Stewart Power, *Instructor in Mathematics*, 1956, 1957.
B.S. in T.E., M.S., Texas Technological College.
- Louis John Powers, *Professor and Head Department of Mechanical Engineering*, 1942, 1952.
B.S. in M.E., Texas Technological College; M.S. in E.M., Texas; Reg. Prof. Engr. (Texas).
- John Edward Price, *Instructor in Music*, 1959.
B.M., M.M., Eastman School of Music.
- Paul Verdayne Prior, *Associate Professor of Biology*, 1956, 1959.
B.A., M.S., Ph.D., Iowa.
- Vernon Willard Proctor, *Assistant Professor of Biology*, 1956.
A.B., A.M., Ph.D., Missouri.
- Charles Blaise Qualia, *Professor of Foreign Languages*, 1925, 1953.
B.A., M.A., Ph.D., Texas.
- John William Queen, *Instructor in Applied Arts*, 1960.
B.S., University of Houston.
- Sue Ava Rainey, *Associate Professor of Health, Physical Education, and Recreation for Women*, 1945.
B.S., George Peabody College; M.A., Columbia.
- Wilmer L. Ralls, *Master Sergeant, United States Army, Instructor in Military Science*, 1956.
- Leoma H. Rasor, *Order Librarian*, 1958.
B.A., M.A., Texas.
- Douglas Charles Rattan, *Instructor in Agricultural Engineering*, 1960.
B.S. in Agri., Texas Technological College.
- Robert Rentoul Reed, *Instructor in Horticulture and Park Management*, 1957.
B.S., Pennsylvania State.
- Robert Baldridge Reedy, *Part-time Instructor in Management*, 1954.
B.A., Illinois.
- John Hayes Reese, *Assistant Professor of Finance and Assistant Dean of Business Administration*, 1957, 1960.
B.B.A., LL.B., Southern Methodist University.
- Corwin C. Reeves, Jr., *Instructor in Geology*, 1957.
B.S., M.S., Oklahoma.
- Emma Cornelia Reeves, *Instructor in English*, 1953.
B.A., Hardin-Simmons, M.A., Texas Technological College.
- Robert Wilson Reeves, *Instructor in Industrial Engineering and Engineering Drawing*, 1958.
B.S., Texas College of Arts and Industries.
- William Robert Reevy, *Associate Professor of Psychology*, 1960.
B.A., Stanford University; Ph.D., Pennsylvania State.
- John Joseph Reid, *Associate Professor of Civil Engineering*, 1958, 1960.⁴¹
B.S. in C.E., New Mexico; M.S., Oklahoma State; Reg. Prof. Engr. (Texas).

⁴¹ Resigned, Feb. 4, 1961.

- Levern Anthony Reis, *Instructor in Mechanical Engineering*, 1957, 1960.
B.S. in M.E., Texas Technological College.
- Robert George Rekers, *Assistant Professor of Chemistry*, 1955.
B.S., University of Rochester; Ph.D., Colorado.
- Shirley Kathryn Rekers, *Part-time Instructor in Mathematics*, 1957, 1958.
B.A., Colorado.
- Jules Alexander Renard, *Associate Professor of Chemical Engineering*, 1951, 1953.
Licencie en Sciences Chimiques, Universite Paul Pastur, Belgium; Ingenieur-Chimiste, Université de Nancy, France.
- Charles Lathan Riggs, *Professor of Mathematics*, 1953, 1960.
B.A., Texas Christian University; M.A., Michigan; Ph.D., Kentucky.
- Virginia Casterton Riggs, *Instructor in Biology*, 1953, 1956.
B.S., Mount Union College; M.S., Texas Technological College.
- Julius Rivera, *Assistant Professor of Sociology*, 1958.
M.A., University of Detroit; Ph.D., Michigan State.
- Arthur Theophile Roberts, *Associate Professor of Accounting*, 1955, 1957.
B.S. in B.A., Boston College; M.B.A., Boston University; Ph.D., Louisiana State University; C.P.A.
- Jack Francis Roberts, *Part-time Instructor in Architecture*, 1957.
B.S. in M.E., Texas; Reg. Prof. Engr. (Texas; New Mexico).
- Virginia Bowman Roberts, *Assistant Professor of Mathematics*, 1945, 1957.
B.A., M.A., Texas Technological College.
- Polk Fancher Robison, *Part-time Associate Professor of Health, Physical Education, and Recreation for Men; Director of Athletics and Head Basketball Coach*, 1942, 1961.⁴²
B.A., Texas Technological College.
- James Turner Rodgers, *Assistant Professor of Petroleum Engineering*, 1958.
B.S. in P.Engr., Louisiana State University; M.S. in P.Engr., Texas.
- Walter Bob Rogers, *Assistant Professor of Agricultural Economics*, 1958.
B.S., Texas Technological College; M.S., Arizona; Ph.D., Oklahoma State.
- Ethel Todd Rollo, *Instructor in Health, Physical Education, and Recreation for Women*, 1956.
B.S., Arizona; M.A., State University of Iowa.
- Robert Lyle Rouse, *Professor and Head Department of Economics and Department of Finance*, 1950, 1958.
B.A., Coe College; M.A., Ph.D., Iowa.
- Chester Morrison Rowell, Jr., *Assistant Professor of Biology*, 1957.
B.A., Texas; M.S., Agricultural and Mechanical College of Texas.
- Annie Norman Rowland, *Assistant Professor of Mathematics*, 1942, 1957.
B.S., M.S., Texas Technological College.
- James Arthur Rushing, *Instructor in English*, 1952.
B.S., M.A., Southern Methodist University.
- Reginald Rushing, *Professor and Head Department of Accounting*, 1939, 1948.
B.A., Southwestern University; M.B.A., Ph.D., Texas; C.P.A.
- Ruth Wilson Russell, *Assistant Professor of English*, 1948, 1959.
B.S., M.A., Oklahoma.

⁴² Appointed Director of Athletics, Jan. 1, 1961.

- John Allen Ryan, *Professor and Head Department of Marketing*, 1957.
B.S., University of Southern California; M.B.A., Ph.D., Texas.
- Billy Joe Sandlin, *Associate Professor of Physics*, 1955, 1959.
B.S., M.S., East Texas State; Ph.D., Texas.
- Albert Joseph Sanger, *Associate Professor of Civil Engineering*, 1956, 1957.
C.E., University of Cincinnati; M.S. in C.E., Illinois Institute of Technology; Reg. Prof. Engr. (Texas).
- Elizabeth Skidmore Sasser, *Associate Professor of Architecture and Allied Arts*, 1949, 1953.
B.F.A., M.A., Ph.D., Ohio State.
- Clarence Carl Schmidt, *Professor of Physics*, 1927, 1943.
B.A., Cornell College; M.A., Ph.D., Illinois.
- Billy Marvin Schnerr, *Instructor in Civil Engineering*, 1958.
B.S., M.E. in C.E., Agricultural and Mechanical College of Texas.
- Sam Schulman, *Associate Professor of Sociology*, 1960.
B.A., M.A., New Mexico; Ph.D., Florida.
- Ronald Edward Schulz, *Associate Professor of Speech*, 1952, 1959.
B.S., M.A., Northwestern University.
- William Frederick Schwiesow, *Assistant Professor of Agricultural Engineering*, 1957.
B.S., South Dakota State; M.S., Illinois; Reg. Prof. Engr. (Illinois; Texas).
- Charles Dale Scott, *Instructor in Mathematics*, 1958.
A.B., Ouachita Baptist College; M.S., Oklahoma State.
- Russell Holland Seacat, *Assistant Professor of Electrical Engineering*, 1959.
B.S., M.E., Agricultural and Mechanical College of Texas; Reg. Prof. Engr. (Texas).
- Jesse Q. Sealey, *Professor of Biology*, 1928, 1955.
B.A., M.A., Ph.D., Texas.
- A. B. Segars, *Part-time Instructor in Accounting*, 1953.⁴³
B.B.A., M.B.A., Texas; C.P.A.
- Ralph Louis Sellmeyer, *Assistant Professor of Journalism*, 1960.
B.J., Missouri; M.A., University of Kansas City.
- Dean Charles Severance, *Assistant Professor of Physics*, 1956, 1957.
B.S., M.S., Vermont.
- Roy F. Sharp, *Sergeant First Class, United States Army, Instructor in Military Science*, 1957.
- Martha Gene Shelden, *Professor and Head Department of Clothing and Textiles*, 1955.
A.B., University of Wichita; M.S., Kansas State University; Ph.D., Texas Woman's University.
- Henry Joseph Shine, *Professor of Chemistry*, 1954, 1960.
B.Sc., University College, London; Ph.D., Bedford College, London; A.R.I.C.
- Harold Dean Shuman, *Part-time Instructor in Finance*, 1959.
A.B., LL.B., Washburn University.
- Deskin Hunt Shurbet, Jr., *Associate Professor of Geology and Director of the Seismological Observatory*, 1956, 1960.
B.S., M.A., Texas.

⁴³ Fall Semester, 1960.

- Gerald Lynn Shurbet, *Assistant Professor of Mathematics*, 1956, 1960.
B.A., Texas; M.S., Texas Technological College.
- Floy Glenn Sides, *Part-time Instructor in Home and Family Life*, 1954, 1960.
B.S., M.Ed., Texas Technological College.
- Earl Roland Sifert, *Part-time Visiting Professor of Education*, 1959.
A.B., Des Moines College; M.A., Iowa; Ph.D., Minnesota.
- Bill Floyd Sims, *Part-time Instructor in Accounting*, 1961.⁴⁴
B.B.A., Texas Technological College.
- Benjamin Neal Smith, *Instructor in Music*, 1960.
B.M., M.M., Eastman School of Music.
- Burnett T. Smith, *Assistant Professor of Mathematics*, 1948, 1959.
B.S., M.Ed., Texas Technological College.
- Van Mitchell Smith, Jr., *Associate Professor of History*, 1959.
B.A., M.A., Ph.D., Texas.
- Carey Thomas Southall, Jr., *Associate Professor of Education*, 1957, 1959.
B.S., M.A., Ed.D., Florida.
- Oscar Clarence Southall, *Associate Professor of Chemistry*, 1944, 1960.
B.A., Hardin-Simmons; M.A., Texas Technological College.
- Jerry Madison Sowder, *Part-time Instructor in Government*, 1955.
B.A., Texas Technological College; LL.B., Texas.
- Don Lewis Sparks, *Part-time Instructor in Health, Physical Education, and Recreation for Men, Trainer and Track Coach*, 1958.
B.S., Texas Wesleyan College.
- Fred Winchell Sparks, *Professor of Mathematics*, 1926, 1928.
B.A., M.A., Southwestern University; M.S., Ph.D., University of Chicago.
- Harold Aylesworth Spuhler, *Professor and Head Department of Electrical Engineering*, 1950, 1960.
B.S. in E.E., Texas Technological College; S.M. in E.E., Massachusetts Institute of Technology; Ph.D. in E.E., Illinois.
- Winfred George Steglich, *Professor and Head Department of Sociology*, 1957, 1960.
B.A., Concordia Seminary; M.A., Ph.D., Texas.
- Tom Basil Stenis, *Associate Professor of Electrical Engineering*, 1947, 1956.
B.S. in E.E., M.S. in E.E., Texas; Reg. Prof. Engr. (Texas).
- Jacqueline Ann Sterner, *Assistant Dean of Women*, 1955.
A.B., M.S., Indiana.
- Thomas F. Storer, *Visiting Associate Professor of Philosophy and Visiting Associate Professor of Mathematics*, 1959.⁴⁵
B.A., Ph.D., Iowa.
- Deann Buske Styles, *Part-time Instructor in Home and Family Life*, 1961.⁴⁶
B.S., Texas Technological College.
- Mary Ruth Strandtmann, *Assistant Professor of Mathematics*, 1951, 1959.
B.A., Southwest Texas State; M.A., Texas Technological College.
- Russell William Strandtmann, *Professor of Biology*, 1948.
B.S., Southwest Texas State; M.S., Agricultural and Mechanical College of Texas; Ph.D., Ohio State.

⁴⁴ Spring Semester, 1961.⁴⁵ On leave, 1960-1961.⁴⁶ Spring Semester, 1961.

- Alfred Bell Strehli, *Associate Professor of Foreign Languages*, 1928, 1953.
B.A., B.S., M.A., Ohio State.
- Paschal Neilson Strong, *Assistant Professor of Psychology*, 1960.
A.B., Washington University (St. Louis); Ph.D., Tennessee.
- Alan Lang Strout, *Professor of English*, 1928, 1937.
B.A., Dartmouth College; M.A., University of Chicago; M.A., Wisconsin; Ph.D., Yale.
- Mary Elizabeth Strout, *Instructor in English*, 1942, 1951.
B.L., Northwestern University; M.A., Texas Technological College.
- Margret Russell Stuart, *Associate Professor of Chemistry*, 1946, 1959.
B.A., M.A., Texas Technological College.
- Edward Sturm, *Assistant Professor of Geology*, 1958.
B.A., New York University; M.Sc., Minnesota; Ph.D., Rutgers University.
- Ara Brooks Cox Sullenberger, *Instructor in Mathematics*, 1956, 1958.
B.A., M.A., Texas Technological College.
- Haskell Grant Taylor, *Professor of Accounting*, 1937, 1948.
B.B.A., M.A., Texas Technological College; C.P.A.
- Frank Millett Temple, *Catalog Librarian*, 1951, 1953.
B.S., Boston University; B.S. in L.S., North Texas State; M.A., Texas Technological College.
- Dahlia Jewel Terrell, *Instructor in English*, 1956.
B.A., M.Ed., Texas Technological College.
- Gerald Waylett Thomas, *Professor of Range Management and Dean of Agriculture*, 1958.
B.S., Idaho; M.S., Ph.D., Agricultural and Mechanical College of Texas.
- Henry Coffman Thomas, *Professor and Head Department of Physics*, 1958.
B.S., Western Kentucky State; M.S., Ph.D., Vanderbilt.
- John Warren Thomas, *Assistant Professor of Agricultural Economics*, 1957.⁴⁷
B.S., M.S., Ph.D., Iowa State College.
- Kathleen Armstrong Thomerson, *Part-time Instructor in Music*, 1959.
B.M., M.M., Texas.
- Arthur Dudley Thompson, *Instructor in Architecture and Allied Arts*, 1959.
B. of Arch., Texas Technological College.
- Jess Thompson, *Assistant Coach*, 1960.⁴⁸
B.A., B.S., Central State (Oklahoma); M.A., Phillips University.
- Polly Cook Tilton, *Instructor in Biology*, 1947, 1955.
B.A., M.S., Texas Technological College.
- Donald Ward Tinkle, *Assistant Professor of Biology*, 1957.
B.S., Southern Methodist University; M.S., Ph.D., Tulane.
- Ruth Taylor Todasco, *Instructor in English*, 1958, 1959.
B.A., Texas; M.A., Texas Technological College.
- Richard Earl Tolley, *Instructor in Music*, 1959.
B.S., M.S., Illinois.
- Richard Krause Tracy, *Assistant Professor of Architecture and Allied Arts*, 1949, 1955.
B.F.A., Alfred University.
- Ruth Donald Tracy, *Assistant Professor of English*, 1946, 1959.
B.A., Texas Technological College; M.A., Oklahoma.

⁴⁷ Resigned, Oct. 15, 1960.⁴⁸ Fall Semester, 1960.

- Idris Rhea Traylor, Jr., *Part-time Instructor in History*, 1960.
B.A., M.A., Texas.
- Fred Charles Trusell, *Assistant Professor of Chemistry*, 1961.⁴⁹
B.A., B.S., University of Kansas City; M.S., Iowa State College.
- Ferrelline Tucker, *Documents Librarian*, 1942, 1949.
B.A., Texas Technological College; B.S. in L.S., California.
- Scotti Mae Tucker, *Associate Professor of Spanish*, 1945, 1957.
B.A., M.A., Ph.D., Texas.
- Lenore M. Tunnell, *Instructor in English*, 1954.
B.A., M.A., Texas Technological College.
- Kirk B. Turner, *Associate Professor of Animal Husbandry*, 1948, 1955.
B.S., Utah State; M.S., Oklahoma State.
- Verdell James Turner, *Instructor in Mathematics*, 1958, 1959.⁵⁰
B.S., M.S., Texas Technological College.
- Ralph Sylvester Underwood, *Professor of Mathematics*, 1927, 1931.
B.A., M.A., Minnesota; Ph.D., University of Chicago.
- Elo Joe Urbanovsky, *Professor and Head Department of Horticulture and Park Management and College Landscape Architect*, 1949, 1951.
B.S., Agricultural and Mechanical College of Texas.
- Mary Jeanne van Appledorn, *Assistant Professor of Music*, 1950, 1955.
B.Mus., M.Mus., University of Rochester.
- Roy Simon Van Hoove, *Part-time Instructor in Education*, 1960.⁵¹
B.S., M.S., North Texas State.
- Harold David Viaille, *Instructor in Psychology*, 1960.
B.A., M.A., Texas Technological College.
- David Martell Vigness, *Associate Professor of History and Acting Head Department of History and Anthropology*, 1955, 1960.
B.A., M.A., Ph.D., Texas.
- Winifred Woods Vigness, *Part-time Assistant Professor of History*, 1956.⁵²
B.A., M.A., Texas Technological College.
- Franklin Alton Wade, *Professor and Head Department of Geology*, 1954.
B.S., M.A., Kenyon College; Ph.D., Johns Hopkins University.
- Lillian Norwood Walden, *Associate Catalog Librarian*, 1951, 1953.
A.B., M.A., Southern Methodist University; B.S. in L.S., Texas State College for Women.
- Georgia Terhune Waldron, *Part-time Instructor in Mathematics*, 1954.
B.A., Illinois College.
- Harry Stuart Walker, *Assistant Professor of Economics*, 1953.
B.A., M.B.A., University of Denver.
- Ernest Wallace, *Professor of History*, 1936, 1945.
B.S., East Texas State; M.A., Texas Technological College; Ph.D., Texas.
- Estelle Hays Wallace, *Associate Professor of Home and Family Life*, 1959.
B.S., North Texas State; M.S., Iowa State College.

⁴⁹ Appointed, Jan. 16, 1961.⁵⁰ Resigned, Jan. 31, 1961.⁵¹ Fall Semester, 1960.⁵² Fall Semester, 1960.

Morris Sheppard Wallace, *Professor and Head Department of Education and Philosophy and Director of Teacher Education*, 1955, 1958.
B.S., M.A., North Texas State; Ed.D., Teachers College, Columbia.

Ronald Dean Ware, *Assistant Professor of History*, 1960.
B.A., University of Cincinnati; M.S., Ph.D., Wisconsin.

James Taggart Watt, *Instructor in Business Education and Secretarial Administration*, 1960.
B.Sc., University of Cincinnati; M.A., Ohio State.

DeWitt Thompson Weaver, *Director of Athletics and Head Football Coach*, 1951.⁵³
B.S. in Ed., Tennessee.

Holmes Andrew Webb, *Associate Professor of Education*, 1960.
B.A., M.A., Texas Technological College; Ed.D., University of Southern California.

James Cameron Webb, *Captain, United States Air Force, Assistant Professor of Air Science*, 1960.
B.A., Michigan State.

Robert E. Weber, *Captain, United States Army, Assistant Professor of Military Science*, 1960.⁵⁴
B.S., Agricultural and Mechanical College of Texas.

Rex Webster, *Part-time Instructor in Marketing*, 1953, 1958.
B.A., M.A., Texas Technological College.

James Howard Welborn, *Part-time Instructor in Marketing*, 1959.
B.A., Texas Technological College.

Grace Pleasant Wellborn, *Assistant Professor of English*, 1947, 1959.
B.A., M.A., Hardin-Simmons; B.S., Howard Payne College.

Wesley William Wendlandt, *Professor of Chemistry*, 1954, 1960.
B.S., Wisconsin State (River Falls); M.S., Ph.D., Iowa.

Charles William Wendt, *Instructor in Agronomy*, 1957.
B.S., Agricultural and Mechanical College of Texas; M.S., Texas Technological College.

Olive Boone Wheeler, *Associate Professor of Education*, 1953, 1959.
A.B., Howard Payne College; M.A., Texas Christian University; Ed.D., Texas Technological College.

George Arthur Whetstone, *Professor of Civil Engineering*, 1946, 1955.
B.S., M.S., Ph.D., Washington.

James Berlyn Whitehead, *Assistant Dean of Student Life*, 1951, 1953.
A.B., M.S., Indiana.

Thomas Saunders Whiteley, *Assistant Circulation Librarian*, 1958.
A.B., Baylor; M.A., Texas; M.L.S., Texas Woman's University.

Thomas Ferdinand Wiesen, *Professor of Economics*, 1940, 1958.
B.S., Agricultural and Mechanical College of Texas; M.B.A., Pennsylvania.

Billy J. Williams, *Captain, United States Air Force, Assistant Professor of Air Science*, 1958.
B.A., Arizona State.

Ira Lawson Williams, *Professor and Acting Head Department of Agricultural Engineering*, 1952, 1960.
B.S., Agricultural and Mechanical College of Texas; M.S., Iowa; Reg. Prof. Engr. (Texas).

⁵³ Fall Semester, 1960.

⁵⁴ Assigned, Nov. 18, 1960.

- Billie Frances Williamson, *Associate Professor of Home Economics Education*, 1956.
B.S., M.A., Texas State College for Women.
- Carl Hammel Willingham, *Assistant Professor of Mathematics*, 1955, 1957.
B.A., M.A., Texas Technological College.
- Juddie Johnson Willingham, *Professor and Head Department of Dairy Industry*, 1948, 1949.
B.S., Agricultural and Mechanical College of Texas; M.S., Ph.D., Iowa State College.
- Clarice Dechent Wills, *Visiting Part-time Associate Professor of Home and Family Life*, 1958, 1959.⁵⁵
A.B., San Francisco State; M.A., Ed.D., Stanford University.
- Charles Edward Wilson, Sr., *Instructor in Chemistry*, 1957, 1960.
A.B., Missouri.
- Houston Clyde Wilson, *Assistant Professor of Sociology*, 1960.
B.A., Agricultural and Mechanical College of Texas; M.A., Texas.
- William W. Wilson, *Lieutenant Colonel, United States Air Force, Associate Professor of Air Science*, 1958.
B.S.A., Arkansas.
- Jarvis Witt, *Assistant Professor of Economics*, 1953, 1960.
B.A., M.A., Texas Technological College.
- John Wittman, Jr., *Assistant Professor of Economics*, 1960.
B.S.B.C., Southern State College; M.B.A., Arkansas.
- Willie May Wolfe, *Assistant Professor of Home Management*, 1955.⁵⁶
B.S., M.S., Texas.
- Opal Lanier Wood, *Instructor in Food and Nutrition*, 1945, 1955.
B.S., Texas State College for Women.
- Paul Joseph Woods, *Associate Professor of History*, 1960.
B.A., M.A., Ph.D., Illinois.
- Horace Eugene Woodward, Jr., *Associate Professor of Mathematics*, 1937, 1956.
B.A., M.A., Texas Technological College.
- Kenneth Norman Yarbrough, *Assistant Professor of Chemistry*, 1960.
B.S., M.S., North Texas State.
- Vestal Liarly Yeats, *Instructor in Geology*, 1960.
B.S., Texas.
- Warren Watson Yocum, *Professor of Horticulture and Park Management*, 1937, 1943.
B.S., Northeast Missouri State; M.A., Missouri; Ph.D., Nebraska.
- Arthur Wesley Young, *Professor and Head Department of Agronomy*, 1935, 1938.
B.S., M.S., Ph.D., Iowa State College.
- George Arthur Young, *Instructor in English*, 1956, 1958.
B.A., Texas Technological College; B.D., Austin Presbyterian Theological Seminary; M.A., Texas.
- Paul Campbell Young, *Professor of Psychology*, 1960.
B.L., David Lipscomb College; A.B., Bowdoin College; M.A., Minnesota; A.M., Ph.D., Harvard.

⁵⁵ Fall Semester, 1960.⁵⁶ On leave, 1960-1961.

Vera Berg Young, *Part-time Instructor in Mathematics*, 1952.

B.S., M.S., Iowa State College.

Willie Frank Zapalac, *Assistant Football Coach*, 1961.⁶⁷

B.S., Agricultural and Mechanical College of Texas.

Edward William Zukauckas, Jr., *Assistant Professor of Horticulture and Park Management and Greenhouse Manager*, 1952, 1955.

B.S., M.S., Rutgers University.

BIBLICAL LITERATURE

Hubert Thomas Burke, A.B., S.T.B., *Biblical Literature*, under auspices of the Roman Catholic Church.⁶⁸

William Peter Hanly, B.Ph., L.Ph., S.T.B., S.T.L., M.A., *Biblical Literature*, under auspices of the Roman Catholic Church.⁶⁹

Arlie Wayne Harris, B.A., M.A., *Biblical Literature*, under auspices of Churches of Christ.

Sidney Lewis Harris, A.B., B.D., *Biblical Literature*, under auspices of the Baptist General Convention of Texas.

Ralph Edward Macy, B.S., B.D., *Biblical Literature*, under auspices of the Christian, Episcopal, and Lutheran Churches.

Cecil Raymond Matthews, B.A., B.D., D.D., *Biblical Literature*, under auspices of Northwest Texas Conference of the Methodist Church.

Robert Martin Platt, A.B., B.D., *Biblical Literature*, under auspices of the Christian Churches (Disciples of Christ).

David Miles Hume Richmond, A.B., B.D., *Biblical Literature*, under auspices of the Christian, Episcopal, Lutheran, and Presbyterian Churches.

TEACHING FELLOWS

Tommy Ray Anthis, B.B.A., *Accounting*.⁶⁰

Jimmy D'Wayne Ashley, B.A., *Chemistry*.⁶¹

Jack Lowell Beckner, B.S., *Chemical Engineering*.

Lynn Allen Boatner, B.S., *Physics*.

Germain Boniface Boer, B.S. in Commerce, *Accounting*.

Eleanor Mitchell Bond, B.S., M.Ed., *English*.

Max Lee Bowen, B.S., *Physics*.

⁶⁷ Appointed, Jan. 1, 1961.

⁶⁸ Fall Semester, 1960.

⁶⁹ Spring Semester, 1961.

⁶⁰ Spring Semester, 1961.

⁶¹ Resigned, Jan. 31, 1961.

- Vernon William Bradley, B.B.A., *Management*.⁶²
 Richard Alfred Bugby, B.S., *Mathematics*.⁶³
 Carol Ann Burrow, B.A., *Government*.
 Charles Lawrence Burton, Jr., B.S., *Mechanical Engineering*.
 Jerome Howard Carney, B.S., *Mathematics*.⁶⁴
 Robert L. Clinton, Jr., B.M., M.M., *Education*.
 Thomas Paul Cobb, Jr., B.S., *Economics*.⁶⁵
 John Gordon Cook, B.S. in E.E., *Electrical Engineering*.
 Edna Earl Cox, B.B.A., *Business Education and Secretarial Administration*.
 Joseph Andrew Crossett, III, B.S., *Electrical Engineering*.
 Gene Cecil Cutler, B.S., *Chemical Engineering*.
 Sumner Wolcott Dana, B.S., *Biology*.
 Clarence Leslie Darter, Jr., B.S., M.Ed., *Education*.⁶⁶
 Earl Cale Davis, Jr., B.S., *Physics*.
 Maynette Derr, B.S., *Clothing and Textiles*.
 Joe Wiman Devenport, B.S., *Biology*.
 William Henry Dick, III, B.A., *Mathematics*.
 John Walter Duke, B.A., *Mathematics*.⁶⁷
 Jerome R. Dunham, B.A., M.A., *Psychology*.⁶⁸
 Kara Sam Dunn, B.A., *Foreign Languages*.
 Robby Roy Eller, B.S. in Ed., *Biology*.
 Li-Tzu Fang, B.S., *Chemistry*.
 Odie B. Faulk, B.S. in Ed., M.A., *History*.
 Marvin Daniel Field, B.S., *Physical Education and Recreation for Men*.⁶⁹
 Jerry Dane Gann, B.S., *Physics*.
 Richard Lewis Garner, B.S., *Chemistry*.
 Dorothy Sneed Gordon, B.B.A., *Accounting*.
 Robert Earl Goss, B.B.A., *Accounting*.⁷⁰
 Robert Bruce Graham, B.A., M.A., *Psychology*.
 Henry Luther Gray, B.S., *Mathematics*.
 Charles Frank Griffin, B.S., *Physics*.

⁶² Resigned, Nov. 15, 1960.

⁶³ Resigned, Sept. 16, 1960.

⁶⁴ Fall Semester, 1960.

⁶⁵ Resigned, Jan. 31, 1961.

⁶⁶ Spring Semester, 1961.

⁶⁷ Fall Semester, 1960.

⁶⁸ Fall Semester, 1960.

⁶⁹ Spring Semester, 1961.

⁷⁰ Fall Semester, 1960.

- Stephen Cecil Grigory, B.S., *Civil Engineering*.
- Wiley Ashley Guinn, B.S., *Mechanical Engineering*.
- William Eugene Hahn, B.S., *Biology*.
- Robert Lee Ham, B.S., *Geology*.⁷¹
- Donald Lee Hardcastle, B.S., *Physics*.
- Nathan Robert Harding, Jr., B.S. in Ed., B.D., M.R.E., *Government*.
- Clifford Ray Harper, B.S., *Mechanical Engineering*.
- Wendell Clark Hewett, B.B.A., *Marketing*.
- Rob Morris Hill, B.B.A., *Accounting*.⁷²
- Joseph Norwood Hilton, Jr., B.A., *Mathematics*.
- Carol Virginia Horsman, B.A., M.A., *Psychology*.⁷³
- Homer Lee Hughes, B.B.A., *Accounting*.
- Jimmy Curt Humphreys, B.S., *Physics*.
- Joe Wendell Hunnicutt, B.A., *Mathematics*.
- Thomas Albert Jones, B.A., *Government*.
- Hossein Karimi, B.A., *Chemistry*.
- James Devere Kerr, B.S., *Mechanical Engineering*.
- Hans Kiesler, B.S., *Chemistry*.
- John Steven Latta, Jr., B.S., *Electrical Engineering*.
- Arnold Dale Lawson, B.S., *Electrical Engineering*.
- Virgil Harold Lawyer, B.A., M.A., *History*.
- Charles Walter Lenau, B.S., *Civil Engineering*.
- Don David Lowrimore, B.S., *Economics*.⁷⁴
- William Lowrimore, III, B.A., *Economics*.
- Vincent Peter Luchsinger, Jr., B.A., M.A., *Psychology*.⁷⁵
- Charles Dewain Lynch, B.B.A., *Finance*.
- Harvey Ellwood Mallory, III, B.S., *Chemistry*.
- Richard Tandy Marcum, B.A., B.D., M.A., *History*.
- Gerald C. Marley, B.S., *Mathematics*.⁷⁶
- Wesley Will Masters, B.S., *Agronomy*.⁷⁷
- Dorris Kirk Maxey, B.A., *Speech*.
- John Byron McCall, B.S., *Economics*.

⁷¹ Spring Semester, 1960.

⁷² Spring Semester, 1960.

⁷³ Spring Semester, 1960.

⁷⁴ Spring Semester, 1961.

⁷⁵ Spring Semester, 1961.

⁷⁶ Resigned, Jan. 31, 1961.

⁷⁷ Spring Semester, 1961.

Dan R. McGregor, B.S., *Geology*.

Don L. McGregor, B.S., *Geology*.

Willie Dale McKeehan, B.B.A., *Management*.

Carl Eugene Miller, B.S., M.A., *Education*.⁷⁸

Ronald Reed Miller, B.S., *Mathematics*.

Richard Ray Moore, B.A., M.A., *History*.

Jim Lee Munro, B.A., *Government*.

Donal Richard Myrick, B.S., *Mathematics*.

Lyle Edwin Nesbitt, B.S., M.S., *Chemistry*.⁷⁹

James Lee Parrish, B.S., *Mathematics*.

Lorenzo Villa-Real Penafiel, B.S.C., C.P.A., *Accounting*.

Eugene Christian Pendery, III, B.S., *Geology*.

Merritt Daniel Price, B.S., *Mathematics*.

George Wesley Rice, B.S., *Mathematics*.

William Theodore Riddle, B.S., M.A., *Education*.

Thaddeus Risinger, Jr., B.S., *Physics*.

Melvin Reed Roberts, B.A., *English*.⁸⁰

Robert Weldon Robinson, B.S., *Electrical Engineering*.

Thomas Eugene Sanders, B.S., *Mathematics*.

Charles Ray Saunders, B.S., *Biology*.

Chloice Louis Shofner, B.B.A., *Finance*.

Frederic C. T. Slauson, Jr., B.S., *Mathematics*.

Bob Gene Smith, B.S. in Ed., *Health, Physical Education, and Recreation for Men*.⁸¹

Stella Smith, B.A., *English*.⁸²

William Lawrece Smith, B.S., *Mathematics*.

Albert Jay Tatkenhorst, B.S., *Engineering Drawing*.

Jimmie Clayton Toney, B.S., *Geology*.

John Scott Turner, B.A., *Mathematics*.

Robert Emmett Tyner, B.B.A., *Management*.⁸³

Jerry Don Vann, B.A., M.A., *English*.

Ralph Everett Varvel, B.A., M.A., *English*.

Harold Austin Wilkinson, B.S., M.Ed., *Education*.

⁷⁸ Spring Semester, 1961.

⁷⁹ Resigned, Dec. 16, 1960.

⁸⁰ Fall Semester, 1960.

⁸¹ Spring Semester, 1961.

⁸² Spring Semester, 1961.

⁸³ Fall Semester, 1960.

Marylea Wood, B.A., M.R.E., *Education*.

Thomas Barbee Word, B.B.A., *Accounting*.⁸⁴

John Talmadge Wright, B.S., *Economics and Marketing*.

Kenneth Earl Wright, B.S., *Economics*.⁸⁵

TEXTILE RESEARCH LABORATORIES

John Ross Bradford, *Director*.

Billy Byrd Crumley, *Associate Director*.

Raymond Kennett Flege, *Coordinator*.

Lyle Edward Hessler, *Research Associate*.⁸⁶

Harry Edward Arthur, *Research Assistant*.

Edwin Roy Foster, Jr., *Assistant Research Principal*.

Roy C. Whitt, *Textile Technologist*.

Reva E. Miller, *Fiber Technologist*.

STUDENT HEALTH SERVICE

Frederick Paul Kallina, B.S., M.D., *Director of Student Health Service and Physician*, 1948, 1959.

Embree Rector Rose, B.A., M.A., M.D., *Professor and Physician*, 1947, 1959.

Iris Jane Norman, R.N., *Superintendent*.

Bertha Nell Adair, R.N.

Opal M. Bond, R.N.

Hattie M. Childress, R.N.

Mary Gladys Duvall, R.N.

Edith A. Kuhnley, R.N.

Mary E. Wright, R.N.

Nell Hefner, *Medical Technologist*.

⁸⁴ Spring Semester, 1961.

⁸⁵ Spring Semester, 1961.

⁸⁶ Deceased, Jan. 23, 1961.

MUSEUM STAFF

- William Curry Holden, *Director of Museum*, 1949.
Dorothy Jane Rylander, *Executive Secretary, Museum Staff*, 1953, 1958.
Francis Earl Green, *Curator of Collections and Field Representative*, 1952, 1958.
Margaret Helen Sandy, *Curator of Education*, 1960.

PUBLIC INFORMATION

- Claude Adrian Vaughan, *Director*.

SOUTHWEST COLLECTION

- Seymour Vaughan Connor, *Director of Southwest Collection and Professor of History*, 1955, 1956.
B.A., M.A., Ph.D., Texas.
Roy Sylvan Dunn, *Archivist, Southwest Collection and Assistant Professor of Sociology*, 1956.
B.A., M.A., Texas.

STAFFS IN SPECIAL DEPARTMENTS

- Nolan Ellmore Barrick, *Supervising Architect*, 1953.
B.A., B.S. in Arch., M.A., Rice; Reg. Arch. (Texas).
Flossie Burkholder Brown, *Cashier, Auditor's Office*, 1933, 1937.
B.A., Texas Technological College.
William Conner Cole, *Bookstore Manager*, 1927.
B.B.A., Texas.
Georgina Conner, *Administrative Assistant, Office of the Dean of Engineering*, 1932.
B.A., New Mexico.
Benge Robert Daniel, *Manager of the Texas Tech Press*, 1951.
B.S., M.S., North Texas State.
Billie Gene Daniels, *Chief Security Officer*, 1959.
Jacqueline Bateman Dean, *Secretary, Office of the President*, 1958.
B.B.A., Texas Technological College.
Charlotte L. Doughtie, *Secretary to the Dean of Agriculture*, 1951.
Olan R. Downing, *Superintendent of the Heating Plant and Utilities*, 1936, 1954.

- Kathryn S. Durham, *Administrative Assistant, School of Arts and Sciences*, 1942, 1957.
B.A., Texas Technological College.
- Carolyn Edwards, *Secretary, Office of the President*, 1960.
- Billy Weldon Felty, *Assistant Supervising Architect*, 1958, 1959.
B. of Arch., Texas Technological College.
- Ellis R. Forman, *Assistant Manager of College Bookstore*, 1934, 1939.
B.A., Texas Technological College.
- Jane Lyle Gentry, *Program Director, Student Union*, 1959.
B.A., North Texas State.
- Anna Burt Gibson, *Administrative Assistant and Secretary, Office of the Vice President and Comptroller*, 1933, 1958.
- Eugene F. Gibson, *Freshman Basketball Coach*, 1954.
B.S., Texas Technological College.
- William Marcus Gosdin, *Superintendent of Grounds*, 1949.
B.S., M.S., Texas Technological College.
- Thomas Ocie Hamm, Jr., *Assistant Football Coach*, 1956, 1957.⁸⁷
B.S., University of Tulsa.
- William Walker Holmes, Jr., *Sports News Director*, 1951.
B.A., Texas College of Arts and Industries; M.A., Colorado.
- Russell Briggs Irvin, *Consultant*, 1951, 1953.
A.B., Simmons University; M.A., LL.B., Texas.
- Charles F. Libby, *Director of Building Operations*, 1949, 1950.
- Nelson Henry Longley, *Director, Student Union*, 1955, 1958.
B.A., Southeastern Louisiana College.
- Jay McClure, *Golf Coach*, 1959.
- Noah Roger Loter, *Assistant Director, Student Union*, 1958.
B.S., Texas Technological College.
- Virginia Inez Lusk, *Secretary, Office of the Dean of the School of Business Administration*, 1960.
B.A., Texas.
- Robert Louis Mason, *Supervising Engineer*, 1961.⁸⁸
B.S. in M.E., Texas Technological College; M.S. in M.E., Kansas State; Reg. Prof. Engr. (Texas).
- James Richard Parmer, *Assistant Coach*, 1960.⁸⁹
B.S., Oklahoma State.
- Mary Elizabeth Randal, *Administrative Assistant to the Academic Vice President*, 1928, 1950.
- William Hopkins Rodgers, *Superintendent of Farms*, 1929, 1943.
- Pete Sellers, *IBM Supervisor*, 1949.
- John Phillip Smith, *Manager and Animal Husbandman, PanTech Farms*, 1947, 1959.
B.S., Texas Technological College.

⁸⁷ Fall Semester, 1960.⁸⁸ Appointed, Feb. 1, 1961.⁸⁹ Fall Semester, 1960.

- Faye Jamison Snyder, *Secretary, School of Home Economics*, 1960.
 William R. Tatum, *Assistant Director of Public Information*, 1957.
 B.S., Kansas.
 Irene F. Temple, *Administrative Secretary, Graduate School*, 1953, 1959.
 Casper Perrin West, *Director of Building Maintenance and Utilities*, 1957.
 B.S., Clemson.
 James Russell Wilson, *Business Manager of Athletics*, 1949.

RESIDENCE HALL STAFF

FOOD SERVICE

- Shirley Frances Schulz Bates, *Director of Food Service*, 1948, 1951.
 B.S., Southwest Texas State.
 Margaret Ragsdale Birkman, *Assistant Director of Food Service*, 1948, 1956.
 B.S., Texas Technological College.
 Sandra Gay Anderson, *Assistant to the Dietitian, Weeks Hall*, 1960.
 B.S., Texas Technological College.
 Bess A. Banks, *Assistant to Director of Food Service*, 1950, 1951.
 Mildred Joanne Bray, *Relief Dietitian*, 1958.
 B.S., Texas Technological College.
 Mary Elizabeth Elliott, *Dietitian, Thompson and Gaston Halls*, 1950, 1958.
 B.S., M.S., Texas Technological College.
 Myrtle Warner Forrester, *Relief Food Service Manager, Women's Residence Halls*, 1960.
 Gwendolyn Gowens Gentry, *Food Service Manager, Sneed Hall*, 1957, 1960.
 B.S., Texas Technological College.
 Ruby Mae Hale, *Food Production Manager, Bledsoe and Gordon Halls*, 1957.
 Ruby R. Heath, *Food Service Manager, Drane Hall*, 1959.
 Lillian Jo Lewis, *Assistant Food Service Manager, Drane Hall*, 1960.
 B.S., Texas State College for Women.
 Shirley L. McDonald, *Assistant Food Service Manager, Horn and Knapp Halls*, 1960.
 Mattie Nola McLeod, *Assistant to the Food Service Manager, Sneed Hall*, 1959, 1960.
 Laverne Mecham, *Food Service Manager, Horn and Knapp Halls*, 1958, 1960.
 Stella Edna Peeks, *Dietitian, Weeks Hall*, 1960.
 B.S., Texas College of Arts and Industries; M.S., Texas Technological College.
 Jean Spencer Prideaux, *Dietitian, Bledsoe and Gordon Halls*, 1957, 1960.
 B.S., Texas Technological College.
 Hazel Glossom Roberts, *Food Service Manager, Wells and Carpenter Halls*, 1960.

Edna Fullingim Robertson, *Assistant Food Service Manager, Wells and Carpenter Halls*, 1960.

Lena Frances Stuart, *Relief Food Service Manager, Thompson, Gaston, Wells and Carpenter Halls*, 1960.

Clair Dean Westbrook, *Assistant to Dietitian, Thompson and Gaston Halls*, 1960.

ROOM RESERVATIONS

Hubert Lee Burgess, *Supervisor of Residence Halls Reservations*, 1934, 1947.

Billy Donn Haynes, *Cashier, Office of Room Reservations*, 1960.
B.A., Wayand Baptist College.

SUPERVISORY STAFF

John Matthew Bayne, *Supervisor of Sneed Hall*, 1958.
A.B., M.S., Butler University.

Pinky Lou Eddins Blair, *Part-time Relief Hostess for Doak and Weeks Halls*, 1961.⁸⁰
A.B., Texas State College for Women.

Caroline Mason Bosworth, *Counselor, Doak Hall*, 1958.
B.A., M.Ed., Oklahoma.

Sarah Emily Burden, *Relief Residence Hostess for Drane, Knapp, and Horn Halls*, 1958.

Lister Stacy Cole, *Supervisor of Gaston Hall*, 1960.⁸¹
B.A., Baylor; M.A., Stephen F. Austin College.

William Paul Felten, *Supervisor of West Hall*, 1958.
B.S. in Ed., Idaho.

Dorothy Taft Garner, *Assistant Dean of Women in Charge of Residence Hall Supervision, Horn Hall*, 1956.
B.A., M.A., M.Ed., Oklahoma.

Robert J. Hilliard, *Assistant Dean of Men in Charge of Residence Hall Supervision*, 1959.
B.S., Southern Oregon College.

Eva Franks Jones, *Part-time Relief Hostess for Doak and Weeks Halls*, 1960.⁸²

John Joseph MacNeill, *Supervisor of Gordon Hall*, 1960.
A.B., Colorado State University.

Shirley L. Mansell, *Counselor, Horn Hall*, 1960.
B.A., Goucher College.

⁸⁰ Appointed, Jan. 16, 1961.

⁸¹ Resigned, Jan. 27, 1961.

⁸² Resigned, Jan. 15, 1961.

Alice May, *Counselor, Weeks Hall*, 1954, 1957.

Ernest Eugene Morrison, *Supervisor of Thompson Hall*, 1957.
B.B.A., Texas Technological College.

Donald Gene Phillips, *Supervisor of Carpenter Hall*, 1958.
B.S., M.S., Purdue.

Hershel Gist Potts, *Supervisor of Wells Hall*, 1959.
B.S., M.E., Texas Technological College.

Carol Louise Sittler, *Counselor, Drane Hall*, 1957.
B.S., Purdue; M.A., Ohio State.

Jerry Don Stockton, *Acting Supervisor, Gaston Hall*, 1961.⁸⁸

Evelyn Love Stovall, *Counselor, Knapp Hall*, 1957.
B.S., M.A., George Peabody College.

Billy Jene Waddle, *Supervisor of Bledsoe Hall*, 1960.
B.S., Texas Technological College.

TESTING AND COUNSELING

James Edward Kuntz, *Director of the Testing and Counseling Center and Professor of Psychology*, 1951, 1959.
B.S., M.S., Fort Hays Kansas State College; Ph.D., Purdue.

EX-STUDENTS ASSOCIATION

Philip Wayne James, *Executive Secretary, Ex-Students Association*, 1960.
B.S. in Ed., Texas Technological College.

AUDIO-VISUAL SERVICES

Archie Boyd Mitchell, *Executive Secretary, West Texas Cooperative Audio-Visual Services*, 1960.
B.S., M.Ed., Texas Technological College.

⁸⁸ Appointed, Jan. 28, 1961.

ENROLLMENT

Enrollment for the Long Session 1960-1961

	Freshmen	Sophomores	Juniors	Seniors	Graduates	Totals
Agriculture	258	183	186	207	33	867
Arts and Sciences	1,471	837	778	694	596	4,376
Business Administration	724	514	419	426	80	2,163
Engineering	673	560	506	526	47	2,312
Home Economics	229	140	108	75	27	579
TOTALS	3,355	2,234	1,997	1,928	783	10,297
Total Men — 6,986			Total Women — 3,311			

Enrollment for the Summer Session, 1960

	Freshmen	Sophomores	Juniors	Seniors	Graduates	Totals
Agriculture	25	40	36	114	26	241
Arts and Sciences	278	257	317	484	687	2,023
Business Administration	134	99	181	285	34	733
Engineering	76	125	181	344	32	758
Home Economics	438	37	40	52	28	595
TOTALS	951	558	755	1,279	807	4,350
Total Men Students — 2,613			Total Women Students — 1,737			

Extension

Individual enrollments in correspondence courses 5,413
 (For the period, Sept. 1, 1960, to Aug. 31, 1961)

Attendance, 1925-1961

Year	Long Session	Summer Session	Extension	Totals
1925-26	1,043	336		1,379
1926-27	1,535	677		2,212
1927-28	1,682	965		3,033
1928-29	2,088	1,298	386	4,206
1929-30	2,353	1,316	1,098	4,767
1930-31	2,319	1,556	1,227	5,102
1931-32	2,155	1,606	1,011	4,772
1932-33	2,332	1,288	833	4,453
1933-34	2,361	1,970	1,236	5,567
1934-35	2,684	1,956	1,403	6,043
1935-36	2,748	1,678	1,522	5,948
1936-37	3,010	1,695	1,255	5,960
1937-38	3,494	1,839	1,067	6,400
1938-39	3,896	1,932	1,137	6,965
1939-40	4,246	1,800	1,198	7,244
1940-41	4,076	1,522	1,063	6,661
1941-42	3,824	1,653	1,050	6,527
1942-43	3,079	1,140	1,273	5,492
1943-44	1,928	1,060	1,354	4,342
1944-45	2,222	1,060	2,084	5,366
1945-46	3,744	2,670	1,791	8,205
1946-47	6,095	3,067	2,625	11,787
1947-48	6,689	3,097	3,059	12,845
1948-49	6,750	3,189	3,006	12,945
1949-50	6,511	3,127	4,212	13,850
1950-51	6,124	2,745	3,627	12,496
1951-52	5,634	2,389	3,282	11,305
1952-53	5,885	2,422	2,677	10,984
1953-54	6,274	2,570	2,838	11,682
1954-55	7,229	2,900	3,467	13,596
1955-56	7,992	3,286	3,151	14,429
1956-57	9,004	3,586	3,808	16,398
1957-58	9,524	3,563	4,218	17,305
1958-59	9,787	3,945	4,645	18,377
1959-60	9,858	4,350	5,061	19,269
1960-61	10,297		5,413	

Degrees Conferred, 1927-1960

	Conferred in 1960		1927-1960
	Men	Women	Totals
SCHOOL OF AGRICULTURE			
Bachelor of Science in Agriculture	136		136
Total for School of Agriculture	136		136
SCHOOL OF ARTS AND SCIENCES			
Bachelor of Arts	87	54	141
Bachelor of Science	82	8	90
Bachelor of Science in Education	55	114	169
Bachelor of Music	9	7	16
Total for School of Arts and Sciences	233	183	416
SCHOOL OF BUSINESS ADMINISTRATION			
Bachelor of Business Administration	179	40	219
Bachelor of Science	9		9
Total for School of Business Administration	188	40	228
SCHOOL OF ENGINEERING			
Bachelor of Architecture	26		26
Bachelor of Arts			114
Bachelor of Advertising Art and Design	5	3	8
Bachelor of Commercial Art			5
Bachelor of Science in Architectural Engineering			33
Bachelor of Science in Chemical Engineering	39		39
Bachelor of Science in Civil Engineering	33		33
Bachelor of Science in Electrical Engineering	100		100
Bachelor of Science in Engineering Physics	3		3
Bachelor of Science in Geological Engineering			23
Bachelor of Science in Industrial Education			1
Bachelor of Science in Industrial Engineering	38		38
Bachelor of Science in Mechanical Engineering	52		52
Bachelor of Science in Petroleum Engineering	47		47
Bachelor of Science in Textile Engineering	3		3
Bachelor of Science in Textiles			19
Total for School of Engineering	346	3	349
SCHOOL OF HOME ECONOMICS			
Bachelor of Science in Home Economics		69	69
Total for School of Home Economics		69	69
TOTAL BACHELORS' DEGREES	903	295	1,198
GRADUATE SCHOOL			
Master of Arts			
Major Field			
Anthropology			7
Business Administration			8
Chemistry			8
Economics	1		14
Education			171
English		1	129
Geology		2	5
Government	3		51
History	4		110
Latin			1
Mathematics			83
Physics			4
Psychology	4	3	38
Sociology			9
Spanish			41
Speech			5
Zoology			3
Total Master of Arts Degrees	12	6	697
Master of Arts in Teaching			
Major Field			
English			7
Government			1
History	1		7
Mathematics	2		4
Psychology		2	1
Spanish			1
Total Master of Arts in Teaching Degrees	3		21

Master of Business Administration

Major Field

Accounting	4		4	46
Business Administration				8
Business Education		1	1	13
Economics	2		2	8
Finance				1
Management	2		2	15
Marketing	1		1	11
Total Master of Business Administration Degrees	9	1	10	102

Master of Education

Major Field

Agricultural Education	5		5	119
Business Education	2		5	21
Education	18	18	36	1,108
Home Economics Education		1	1	16
Music Education				17
Physical Education	2		2	15
Total Master of Education Degrees	27	22	49	1,296

Master of Science

Major Field

Agricultural Economics				18
Agricultural Education				35
Agronomy				13
Animal Husbandry				26
Botany				7
Chemical Engineering				13
Chemistry	2		2	26
Clothing				3
Dairy Industry				7
Economics				1
Electrical Engineering				10
Food and Nutrition				8
General Home Economics				1
Geology	8		8	91
Home Economics Education				19
Horticulture				4
Marketing				1
Mathematics	6	1	7	42
Physics	3		3	11
Zoology	1	1	2	24
Total Master of Science Degrees	20	2	22	360

Master of Science in Agriculture

Major Field

Agricultural Economics				2
Agricultural Education				2
Agronomy	1		1	8
Animal Husbandry	2		2	17
Dairy Industry				7
Horticulture				1
Total Master of Science in Agriculture	3		3	37

Master of Science in Chemical Engineering	5		5	7
Master of Science in Civil Engineering	2		2	2
Master of Science in Education				1
Master of Science in Electrical Engineering	5		5	7

Master of Science in Home Economics

Major Field

Clothing and Textiles				5
Food and Nutrition		2	2	5
General Home Economics				3
Home Economics Education				7
Total Master of Science in Home Economics Degrees		2	2	20

Master of Science in Mechanical Engineering	4		4	4
Professional in Chemical Engineering				2
TOTAL MASTERS' DEGREES	90	33	123	2,496

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Doctor of Education	2	1	3	36
Doctor of Philosophy				
Major Field				
American Civilization				3
Chemistry	1		1	6
English	1		1	7
Geology				1
History	2		2	6
Psychology				4
Total Doctor of Philosophy Degrees	4		4	27
TOTAL DOCTORS' DEGREES	<u>6</u>	<u>1</u>	<u>7</u>	<u>63</u>
TOTAL GRADUATE SCHOOL	96	34	130	2,559
HONORARY DEGREES				
Doctor of Laws	1		1	16
Doctor of Science				2
TOTAL HONORARY DEGREES	<u>1</u>	<u></u>	<u>1</u>	<u>18</u>
GRAND TOTAL OF DEGREES CONFERRED	1,000	329	1,329	22,395

Summary of Degrees Conferred, 1927-1960

Total Bachelors' Degrees	19,818	Total Men Receiving Degrees	14,840
Total Masters' Degrees	2,496	Total Women Receiving Degrees	7,555
Total Doctors' Degrees	63		
Total Honorary Degrees	18	GRAND TOTAL	<u>22,395</u>
TOTAL DEGREES CONFERRED ..	<u>22,395</u>		

APPENDIX A

TEXAS TECHNOLOGICAL COLLEGE — ESTABLISHING AND PROVIDING FOR THE LOCATION THEREOF.

S. B. No. 103 Chapter 20 (Page 32)

GENERAL LAWS OF THE STATE OF TEXAS Passed by the THIRTY-EIGHTH LEGISLATURE at the REGULAR SESSION.

An Act to establish a State college in Texas, west of the ninety-eighth (98th) meridian and north of the twenty-ninth (29th) parallel, to be known as the Texas Technological College; providing for the location of such college; its government; the control of its finances; defining its leading objects and prescribing generally the nature and scope of instruction to be given; conferring upon the Board of Directors of said college the rights of eminent domain; making the necessary appropriation for the purchase of land, the location, establishing and maintenance of said college, and declaring an emergency.

Be it enacted by the Legislature of the State of Texas:

Section 1. There shall be established in this State a college for white students to be known as the Texas Technological College, said college to be located north of the twenty-ninth (29th) parallel, and west of the ninety-eighth (98th) meridian, and shall be a co-educational college giving thorough instruction in technology and textile engineering from which a student may reach the highest degree of education along the lines of manufacturing cotton, wool, leather and other raw materials produced in Texas, including all branches of textile engineering, the chemistry of materials, the technique of weaving, dyeing, tanning, and the doing of any and all other things necessary for the manufacturing of raw materials into finished products; and said college shall also have complete courses in the arts and sciences, physical, social, political, pure and applied, such as are taught in colleges of the first class leading to the degrees of Bachelor of Science, Bachelor of Arts, Bachelor of Literature, Bachelor of Technology and any and all other degrees given by colleges of the first class; said college being designated to elevate their ideals, enrich the lives and increase the capacity of the people for democratic self-government and particularly to give instruction in technological, manufacturing, and agricultural pursuits and domestic husbandry and home economics so that the boys and girls of this State may attain their highest usefulness and greatest happiness and in so doing may prepare themselves for producing from the State its greatest possible wealth.

Sec. 2. The government, control and direction of the policies of said technological college shall be vested in a board of nine (9) directors to be appointed by the Governor who shall hold office for a period of six (6) years, said board of nine (9) directors to be so divided that the terms of three (3) directors shall expire every two years, and it shall be the duty of the Governor in making the appointment of the first board of directors, to indicate in his appointment the name of the director whose term shall expire in two (2) years, the name of the director whose term shall expire in four (4) years, and the name of the director whose term shall expire in

six (6) years; all of said directors to hold their office until their successors are qualified, unless a removal is made by the Governor for inefficiency or inattention to their duties as members of such board.

The board of directors of the Texas Technological College shall provide a president thereof who shall devote his entire time to the executive management of said school and who shall be directly accountable to the board of directors for the conduct thereof.

Sec. 3. In addition to the courses provided in technology and textile engineering, the said Texas Technological College shall offer the usual college courses given in standard senior colleges of the first class and shall be empowered to confer appropriate degrees to be determined by the board of directors and shall offer four-year courses, two-year courses, or short-term courses in farm and ranch husbandry and economics and the chemistry of soils and the adaption of farm crops to the peculiar soil, climate and condition of that portion of the State in which the college is located, and such other courses and degrees as the board of directors may see fit to provide as a means of supplying the educational facilities necessary for this section of the State, and it shall be the duty of the board of directors to furnish such assistance to the faculty and students of said college as will enable them to do original research work to apply the latest and most approved method of manufacturing and, in general, to afford the facilities of the college for the purpose of originating, developing, supporting and maintaining all of those agencies (physical, mental and moral) for the development of the physical, mental and moral welfare of the students who attend the college and for the further purpose of developing the material resources of the State to their highest point of value and usefulness by teaching the arts of commerce and manufacturing. All male students attending this college shall be required to receive such instruction in military science and tactics as the board of directors may prescribe which shall, at all times, comply in full with the requirements of the United States Government now given as a prerequisite to any aid now extended or hereafter to be extended by the Government of the United States to State institutions of this character and all such white male students shall, during their attendance at such college, be subject to such military discipline and control as the board of directors may prescribe.

Sec. 4. The chairman of the State Board of Control and the State Superintendent of Public Instruction, the President of the University of Texas, the President of the College of Industrial Arts of Texas, and the President of the Agricultural and Mechanical College of Texas shall constitute a board charged with the responsibility for the location of the Texas Technological College, a majority of whom shall be authorized to act under the terms of this bill in the location of said school; said board being restricted in the choice of the location to the area mentioned in Section 1 of this act and as soon after the passage and approval of this act as practical, said locating board shall make careful investigation of proposed sites for the said institution. Consideration shall be given to climatic conditions, supply of water, accessibility and such other matters as appropriately enter into the selec-

tion of the desirable location of an institution of this kind. It is further provided that the said locating board shall not be influenced to any degree in the determination of its selection of a location by offers and promises of bonuses and gifts, directly or indirectly, to the State of Texas, as a consideration for the location of said college at any particular place, but a primary consideration which shall outweigh all others in the minds of the members of the locating board, shall be to locate this college where it can, in the future, render the greatest service to the State and to the section of the United States for which it is especially intended; but this is not to be interpreted to mean that the board of directors shall not have authority to accept gifts of land, money for students' loans, permanent improvement or any other objects of value when tendered for the purpose of more completely carrying out the purpose of this act; said gifts to be made after said school is located and established and if a suitable location for said college is offered by any city or community. The lands bought shall be so located that the administration building will be within convenient distance to the residence section of the town where located, or the place where the students reside.

Sec. 5. The said locating board shall have authority to select approximately two thousand (2,000) acres of land for the site of said college and agree with the owner or owners thereof upon the price to be paid therefor, which said agreement shall be reduced to writing by the said locating board, signed and delivered to the board of directors herein provided for, who shall thereupon have full authority to contract for the purchase of said land for said purpose, and upon the approval of the title thereto by the Attorney General of the State of Texas, to pay for said land and any improvements thereon in any sum not to exceed one hundred and fifty thousand (\$150,000) dollars.

Sec. 6. It is further provided that, when said locating board has selected a site for said college, it shall be the duty of said board to make a full and complete report of all details connected with the selection of the site for the said college to the Governor of the State of Texas. The filing of this report with the Secretary of State shall legally constitute the establishing of the college.

Sec. 7. The board of directors of the said Texas Technological College is hereby vested with the power of eminent domain to acquire for the use of said college such land as may be necessary for the purpose of carrying out

its purposes by condemnation proceedings such as are now provided for railroad companies under the laws of the State of Texas.

Sec. 8. There is hereby appropriated from the general revenues of the State, not otherwise appropriated, the following sums, or so much thereof as may be necessary:

1. Twenty-five hundred (\$2,500) dollars of the available revenue of the State, or so much thereof as may be necessary, to become available upon the passage and approval of this act, for the purpose of paying the expense of the locating board in determining the location of said institution.

2. One hundred and fifty thousand (\$150,000) dollars of the available revenues of this State, or so much thereof as may be necessary, to become available September 1, 1923, for the purchase of the necessary lands for the location and establishment of said school, and any portion of which amount not used for the purchase of lands shall be available for the purposes provided in the following sections thereof.

3. Five hundred thousand (\$500,000) dollars for the fiscal year ending August 31, 1924, for the purpose of providing necessary utilities, machinery, permanent improvements, equipment and buildings for said college.

4. Three hundred and fifty thousand (\$350,000) dollars for the fiscal year ending August 31, 1925, for the purpose of providing necessary utilities, machinery, permanent improvements, equipment and buildings for said college; and

5. In the event any portion of the sums hereby appropriated should not be used for and during the year for which they are hereby appropriated, such sums shall become available for the succeeding year, for the purposes herein provided, and for no other.

Sec. 9. The fact that Texas is producing annually millions of dollars worth of raw materials, which are being shipped to distant factories to be made into finished products together with the fact that Texas has no adequate institution for teaching technology and the art of textile manufacturing and the fact that the needs of that portion of the State where this college shall be located are inadequately supplied with educational institutions, create an emergency and an imperative public necessity for this act to take effect at once and for the suspension of the constitutional rule requiring bills to be read on three separate days, it is therefore enacted that said rule be suspended and this act take effect and be in force on and after its passage.

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