TEXARKANA COLLEGE 1967 • 1968

TEXARKANA, TEXAS

CATALOG

NUMBER 38

•

FEBRUARY 1968

•

With Announcements

For 1968-1969

Texarkana College

TEXARKANA, TEXAS

FOUNDED SEPTEMBER, 1927

Catalogue

1967 - 1968

* * * *

Announcements

1968 - 1969

A PUBLIC JUNIOR COLLEGE OWNED AND OPERATED

by

TEXARKANA COLLEGE DISTRICT

1968

1968	S	M	T	W	T	F	S
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	28	29	30	31			

TEXARKANA COLLEGE

IS

APPROVED AND ACCREDITED

by

THE ASSOCIATION OF TEXAS COLLEGES

THE SOUTHERN ASSOCIATION OF COLLEGES AND SCHOOLS

TEXAS EDUCATION AGENCY

TEXAS STATE BOARD OF NURSE EXAMINERS

NATIONAL LEAGUE FOR NURSING

FEDERAL AVIATION AGENCY

TEXAS ASSOCIATION OF MUSIC SCHOOLS

* * * *

MEMBERSHIP

in

THE SOUTHERN ASSOCIATION OF JUNIOR COLLEGES

AMERICAN ASSOCIATION OF JUNIOR COLLEGES

TEXAS ASSOCIATION OF JUNIOR COLLEGES

NATIONAL COMMISSION ON ACCREDITING

TEXAS ASSOCIATION OF COLLEGIATE REGISTRARS AND ADMISSIONS OFFICERS

SOUTHERN ASSOCIATION OF COLLEGIATE REGISTRARS AND ADMISSIONS OFFICERS

TEXAS EASTERN ATHLETIC CONFERENCE

AMERICAN COUNCIL ON EDUCATION

TEXAS ASSOCIATION OF MUSIC SCHOOLS

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COLLEGE CALENDAR

1968

SUMMER SESSION 1968

First Term		Second Term	
May 30, 31	Registration.	July 15	Registration.
June 3	Classes begin.	July 16	Classes begin.
July 4	Holiday.	August 23	End of second term.
July 12	End of first term.		

NIGHT SESSION

May 30, 31	Registration.
June 3	Classes begin.
July 26	End of term.

1968-1969

September 6	Professional Nursing Examination. 1:00 P.M. Nursing Building.
September 6	New Faculty Seminar. 9 A.M. Board of Regents Room.
September 9	Faculty Seminar. 9 A.M. Student Union Building.
September 10	Orientation. 9 A.M. College Auditorium. ACT Test. 1 P.M. College Auditorium.
September 10	College Cafeteria Open 7:30 A.M.
September 11	Faculty Counseling and Placement Tests. English, 9:00 A.M., Classroom Building. Math, 1:00 P.M., Classroom Building.
September 11	Registration for Night School.
September 12	Registration for Day and Night Classes.
September 13	Registration for Day Classes.
September 16	Day and Night Classes Begin.
October 1	Last Day for Late Registration.
November 11	Veterans Day Holiday
November 27	Thanksgiving Holidays begin at close of classes on Wednesday, November 27. Cafeteria closed.
December 18	Christmas Holidays begin at close of classes on Wednesday, December 18. Cafeteria closed.
January 2	Classes resume after Christmas Holidays.
January 20-24	Final Exams

January 27-28-29	Registration for Spring Semester
January 30	Classes Begin.
April 3	Classes close for Spring Holidays at end of classes.
April 8	Classes resume after Spring Holidays.
May 19-23	Final Exams.
May 25	Graduation.

SUMMER SESSION 1969

First Term		Second Term	
May 30-June 2	Registration.	July 11	Registration.
June 3	Classes begin.	July 14	Classes begin.
July 4	Holiday.	August 22	End of second term.
July 11	End of first term.		

NIGHT SESSION 1969

May 30-June 2	Registration.
June 2	Classes begin.
July 25	End of term.

BOARD OF REGENTS

and

OFFICERS OF ADMINISTRATION

1968 - 1969

BOARD OF REGENTS

Mannie Stevens ..... Chairman

Dr. William E. Shields ..... Vice-Chairman

Norman C. Russell ..... Secretary

John V. Massey	Burnham Jones
James C. Evans	Dr. William R. Patterson
Robert T. Hughes	Dr. T. J. Wilbanks

OFFICERS OF ADMINISTRATION

J. W. Cady, Ed. D. ..... President
W. G. McAlexander, Ed. D. ..... Dean
Levi H. Hall, M. A. ..... Dean of Students
Robert L. Arnold, Jr., M. A. ..... Business Manager
B. J. Murdock, M. A. ..... Director of Technical and Vocational Education
K. B. Davis, M. A. ..... Registrar
O. Paul Smith, M. Ed. ..... Counseling and Guidance
Billy R. Hughes, M. S. E. ..... Director of Evening Division and News Bureau

STAFF

Gwendolyn Dean, M. L. S. ..... Librarian
Helen Click, M. L. S. ..... Assistant Librarian
Dick Akins ..... Manager Student Center and Supervisor of Maintenance

SECRETARIAL

Wanda Rowe (Mrs.) ..... Secretary to the President
Rose Roberts (Mrs.) ..... Secretary to the Dean
Lucille Day (Mrs.) ..... Secretary to the Registrar
Nan Ivy (Miss) ..... Secretary to the Dean of Students
Virginia D. Bridges (Mrs.) ..... Bookkeeper
Joyce Fulmer (Mrs.) ..... Assistant Bookkeeper
Ruth Bearden (Mrs.) ..... N.D.S.L. Clerk

FACULTY 1967 - 1968

J. W. Cady (1964) ..... President
B. A. University of Arkansas
M. S. E. University of Arkansas
Ed. D. University of Arkansas
University of Minnesota

W. G. McAlexander (1965) ..... Dean
B. A. North Texas State University
M. A. North Texas State University
Ed. D. University of Houston
University of Texas

K. B. Davis (1965) ..... Registrar
B. A. Milton College
M. A. University of Arkansas
University of Texas

R. L. Arnold, Jr. (1963) ..... Business Manager
B. A. East Texas State University
M. A. East Texas State University
University of Texas
Baylor University

Levi H. Hall (1965) ..... Dean of Students
B. A. North Texas State University
M. A. Tulane University

B. J. Murdock (1958) ..... Director, Technical and Vocational Education
B. S. Southern State College
M. A. East Texas State University
East Texas State University

O. Paul Smith (1965) ..... Director of Counseling, Guidance
B. S. E Mississippi College
M. Ed. East Texas State University

Billy Ray Hughes (1965) ..... Director of Evening Division and News Bureau
B. S.E. Henderson State Teachers College
M. S. E. Henderson State Teachers College
University of Arkansas

Gwendolyn Dean (Miss) (1958) ..... Librarian
B. S. E. University of Arkansas
M. S. in L. S. East Texas State University

Murry Alewine (1965) ..... Music
B. A. Sam Houston State College
M. A. Sam Houston State College
University of Texas

Herman H. Barnett (1967) ..... Psychology
B. S. E. Henderson State Teachers College
M. Ed. East Texas State University

James H. Bennett (1957) ..... Chemistry
B.S. Southern State College
University of Arkansas
East Texas State University

Thelma L. Bollinger (Mrs.) (1964) ..... Sociology
A. A. Jacksonville Baptist College
B. S. Stephen F. Austin College
M. A. Stephen F. Austin College

Ruth E. Bransford (Mrs.) (R.N.) (1961) ..... Nursing
B. S. University of Maryland

James D. Briggs (1965) ..... Business Administration
B. .S University of Denver
M. B. A. University of Southern California
Oregon State University

Joe B. Burgess (1967) ..... Biology
B. S. E. Arkansas State Teachers College

Kenneth V. Burkhalter, Jr. (1966) ..... Data Processing
A. A. Texarkana College
Technical Certification T.E.A.

J. Lewis Cannon (1965) ..... History-Government
B. S. Stephen F. Austin College
M. A. Sam Houston State College

Betty Carter (Mrs.) (1953) ..... English
B. A. Lambuth College
M. A. Louisiana State University
University of Tennessee

William R. Caver (1967) ..... Art
B. S. E. North Texas State University
M. F. A. Instituto San Miguel

Helen Click (Mrs.) (1964) ..... Assistant Librarian
B. A. Hendrix College
M. L. S. Texas Woman's University

Gladys C. Cupp (Mrs.) (1967) ..... English
B. A. Texas Wesleyan College
M. A. East Texas State University

Lee A. Davis (Mrs.) (R.N.) (1966) ..... Nursing
R. N. Molden Hospital School of Nursing
B. S. N. University of Arkansas School of Nursing

Warren S. Dill (1966) ..... Chemistry
B. S. North Texas State University
M. S. North Texas State University
Ed. S. New Mexico State University
Texas A&M University

Lois N. Duck (Mrs.) (1957) ..... English
B. A. Baylor University
M. A. East Texas State University
East Texas State University
University of New Mexico

Lucille Elgin (Mrs.) (1958) ..... English
B. A. Ouachita Baptist University
M. A. East Texas State University
University of London
University of Arkansas

Shirley S. Finn (Mrs.) (R.N.) (1966) ..... Nursing
B. S. N. Saint Agnes School of Nursing
Saint Augustine's College

Ruth Fomby (Mrs.) (1955) ..... Mathematics
B. A. Hendrix College
M. A. East Texas State University
University of Mexico

C. O. Fowler (1954) ..... Mathematics
B. S. East Texas State University
M. S. East Texas State University
University of Houston
Florida State University

Charles S. Gallien (1966) ..... History
B. A. Northwestern State University
M. A. Northwestern State University

Jeanie M. Gallien (Mrs.) (1967) ..... Geography-History
B. A. Northwestern State College
M. A. Northwestern State College

Lois Gardner (Miss) (1965) ..... French
B. A. College of the Ozarks
M. A. University of Oklahoma
University of Texas
University of Colorado
Denver University
Columbia University
Sorbonne
Ouachita Baptist University

Jerry D. Gilbert (1966) ..... Government
B. S. E. Texas Technological College
Texas Technological College

Royce Granberry (1966) ..... Agriculture
A. S. Texarkana College
B. S. East Texas State University
M. S. East Texas State University

Lou Ella Humphrey (Mrs.) (R.N.) (1960) ..... Vocational Nursing
Arkansas Baptist Hospital School of Nursing
Little Rock University
University of Texas

Henry H. Jackson (1967) ..... French-Spanish
B. A. University of Texas
M. A. Stephen F. Austin State College
Rice University

Shirley A. Jackson (Mrs.) (1967) ..... Music
B. A. Hastings College
M. A. Stephen F. Austin State College
University of Texas

Dell Jacobs (Mrs.) (1951) ..... Business Administration
B. B. A. University of Texas
M. B. A. East Texas State University
North Texas State University

Barry W. Johnson (1966) ..... Music
B. M. E. Sam Houston State College
M. A. Sam Houston State College
Hardin-Simmons University

Kenneth C. Keathley (1956) ..... Biology
B. S. North Texas State University
M. A. Sam Houston State College
University of Oklahoma

Lillian Keith (Mrs.) (R.N.) (1962) ..... Nursing
R. N. Charity Hospital
B. S. Northwestern State College
M. S. University of Maryland

Patricia A. Kyzar (Mrs.) (1967) ..... Nursing
Texas Technological College
B. S. Texas Christian University

Eva Landgraf (Mrs.) (R.N.) (1957) ..... Vocational Nursing
Providence Hospital School of Nursing
Baylor University
University of Texas

Gene Livingston (Mrs.) (R.N.) (1960) ..... Nursing
B. S. Texas Christian University
North Texas State University

Georgia K. McFaul (Mrs.) (1967) ..... Counseling
B. A. Louisiana Polytechnic Institute
M. Ed. East Texas State University

Carmon McFerran (Mrs.) (1958) ..... Mathematics
B. S. E. Arkansas State Teachers College
M. Ed. East Texas State University
Stanford University
Florida State University
University of Arkansas

Paul McFerran (1958) ..... Science-Engineering
B. S. Arkansas State Teachers College
M. S. East Texas State University
Harvard University
Florida State University
University of Arkansas
University of Southwestern Louisiana
Arlington State College

Joel R. McGee, III (1957) ..... Biology
B. A. East Texas State University
M. Ed. East Texas State University

Lee C. Milazzo, Jr. (1965) ..... English
B. A. Southern Methodist University

Robert R. Mills (1958) ..... Business Administration
B. S. East Texas State University
M. Ed. East Texas State University

Margaret B. Montgomery (Mrs.) (1957) ..... English
B. A. Southern Methodist University
M. A. Southern Methodist University
Ecole Normale de Musique, Paris, France
Sorbonne
University of London
University of Oxford
University of Oregon

Norma Nelson (Miss) (1960) ..... Physical Education
B. S. East Texas State University
M. S. East Texas State University

Norman D. Nichols (1967) ..... Accounting
Hendrix College
B. S. University of Arkansas

Kenneth Parmley (1966) ..... Mathematics
B. S. Stephen F. Austin State College
M. Ed. Stephen F. Austin State College
M. A. Louisiana State University
Emory University

James Parsons (1965) ..... Biology
B. S. East Texas State University
M. Ed. East Texas State University

Mildred C. Parsons (Mrs.) (1965) ..... Speech
A. B. Texarkana College
B. A. East Texas State University
M. A. East Texas State University

Aldridge H. Pease (1967) ..... Air Technology
University of Washington
Technical Certificate T.E.A.

Bea Peck (Mrs.) (1966) ..... English
B. A. Henderson State Teachers College
M. S. in L. S. East Texas State University

C. O. Pinkerton (1946) ..... English
B. A. East Texas State University
M. A. East Texas State University
Abilene Christian College
University of Texas
University of Colorado
Michigan State University

Roger C. Pryor (1966) ..... Psychology
Lon Morris College
B. A. Lamar State College
Louisiana State University
M. A. Texas Christian University

Willard Pyle (1958) ..... Biology
B. S. Arkansas A&M College
University of Arkansas
M. S. East Texas State University

James L. Pynes (1967) ..... Police Technology
Centenary College
Louisiana State University
Technical Certificate, T.E.A.

Grady Richardson (1959) ..... Agriculture
B. S. Texas A&M University
M. S. Texas A&M University
Vanderbilt University
New Delhi University

Ira D. Robinson (1967) ..... Business Administration
Texarkana College
B. B. A. Texas Technological College
M. A. Texas Technological College

Jeri Ann Robinson (Mrs.) (1966) ..... Chemistry
B. S. Texas Technological College
Texas Technological College

Bernice W. Schnerr (Mrs.) (1967) ..... Journalism
B. A. Southwest Texas State College
M. Ed. Southwest Texas State College

Carl W. Self (1967) ..... Data Processing
Southwestern Institute
Texarkana College
Technical Certificate, T.E.A.

Harvey Solganick (1967) ..... English-German
B. A. North Texas State University

J. Elden Spencer (1959) ..... History-Government
B. A. Texas Christian University
M. A. Texas Christian University
University of Texas
Texas Christian University

Dottie Jean Taylor (Mrs.) (R.N.) (1965) ..... Nursing
B. S. East Texas State University

Robert Frank Taylor (1965) ..... Physical Education
B. S. Ouachita Baptist University
M. S. E. Henderson State Teachers College

Robert E. Ward (1967) ..... Physics
Texarkana College
B. A. Ouachita University
M. S. Louisiana State University

R. Frances Watson (Miss) (1966) ..... Business Administration
B. A. Harding College
M. Ed. University of Texas
West Texas State College
George Peabody College

Richmond P. White (1962) ..... Engineering
B. S. East Texas State University
M. S. East Texas State University

Robert G. Williams (1959) ..... History
B. S. Stephen F. Austin State College
M. Ed. Stephen F. Austin State College
University of Texas
East Texas State University

Wayne J. Williams (1965) ..... Physical Education
B. A. Ouachita Baptist University
M. S. E. Henderson State Teachers College

Elizabeth G. Willis (Mrs.) (R.N.) (1962) ..... Nursing
R. N. University of Cincinnati
B. S. University of Cincinnati
M. S. Western Reserve University

Amma S. Woner (Mrs.) (R.N.) (1965) ..... Vocational Nursing
George Peabody College
Texarkana Hospital School of Nursing
University of Arkansas
University of Texas

Henry W. Wood, Jr. (1959) ..... History
B. A. Ouachita Baptist University
M. A. East Texas State University
Baylor University
University of Mississippi

Dale Works (1966) ..... Physical Education
B. S. Texas Christian University
M. Ed. North Texas University

Sue Works (Mrs.) (1967) ..... Physical Education
B. S. Southern State College
M. Ed. North Texas State University

Rolfe A. Wylie (1966) ..... Speech-English
B. S. E. Henderson State Teachers College
M. S. E. Henderson State Teachers College
Texas Technological College
East Texas State University

Note: Year following name indicates first year of service at college.

GENERAL INFORMATION

HISTORY OF THE COLLEGE

Texarkana College was founded in 1927 as a public junior college and as a branch of Texarkana, Texas, Public School System. Dr. H. W. Stilwell served as both the Superintendent of Schools and as President of the College. W. P. Akin was selected as the first Dean of the College.

The first building housing the College was erected at the corner of 16th and Pine Streets. The building contained classrooms, laboratories, administrative and teachers' offices, and a gymnasium. The building was solely owned by the school district, and the laboratories and gymnasium were jointly used by the College and the high school. Following enabling legislation by the State of Texas, in 1941 the Texarkana College District was established by an election of the taxpayers of the public school district; and a tax rate of 20¢ per $100 of assessed valuation was passed at the same time.

The College showed a slow but steady growth from the 109 enrollment in 1927 until the end of World War II. As veterans returned from the war, it became increasingly apparent that the growth in enrollment demanded enlargement of the College facilities. Accordingly, an election was called in 1948 for the issuance of $400,000 in bonds to purchase a new campus and to finance the construction of new facilities. Upon passage of the election, some 20 acres of land were purchased and the construction of the present Administration Building and the gymnasium was begun in 1950. The College was then moved to its present site in October, 1951. The enrollment for 1951-52 was 589 students.

In 1954 the taxpayers of the district voted to raise the tax rate to 40¢ per $100 of assessed valuation. Shortly thereafter, bonds in the amount of $500,000 were voted for the construction of the College Auditorium and the Classroom Building.

In 1957, by act of the Board of Regents of the College and the Board of the Texarkana Independent School District, the same members serving on each Board, an agreement was reached to separate the two Boards. Shortly thereafter, Dr. Stilwell relinquished his duties as Superintendent of Schools and gave his full time to the presidency of the College.

In 1958, through the issuance of $475,000 revenue bonds, the Student Union Building was constructed and opened for use early in 1959. Through the issuance of revenue bonds, the College acquired additional lands to bring the present campus to 88 beautifully landscaped acres. Using the same source of revenue, the following buildings were constructed: Boys' Dormitory, Girls' Dormitory, Music Building, Technical Building, and Bus and Maintenance shops. The Administration Building was air-conditioned, and numerous improvements were made to other buildings on the campus.

In November, 1959, Dr. Stilwell died. Dean W. P. Akin was

classes. This building is completely air-conditioned.

The Men's Dormitory. This modern two-story brick building has accommodations for 100 men. It is divided into two wings housing fifty men in each wing. Rooms are provided for single occupancy or for two men per room. Each wing has an apartment for the dormitory supervisors.

The Women's Dormitory. The Women's Dormitory is a modern two-story building housing 48 women in single or double rooms. A beautiful reception room is found on the first floor for entertaining guests. Also, on the first floor is an apartment for the dormitory supervisor.

Athletic Facilities. A modern football practice field is just north of the gymnasium. Surrounding the field is a 440-yard cinder track. It has a 220 yard straight-a-way with ten lanes. There are eight lanes in the 440 yard track. A lighted baseball field is also located on the campus, along with four lighted concrete tennis courts.

Science Complex. Plans are underway to construct a four-building complex to house the Science-Engineering Division and the Nursing Department. The Biology Building, containing two classrooms, three laboratories with adequate storerooms, four teachers' offices, two instructors' research laboratories, and four student laboratories, was occupied in May, 1965. All buildings are air-conditioned. A new Chemistry Building was constructed and was occupied in September, 1966. The Nursing Building was finished and occupied in June of 1967. This facility houses both the Associate Degree program of Registered Nursing and the Licensed Vocational Nursing program. The building contains lecture rooms and laboratories for both programs as well as offices, conference rooms and divisional library facilities.

Proposed Construction. Plans are now underway to construct a beautiful new library on the site of the old nursing building. This same project will call for the erection of a vast new facility for Physical Education and a field house for basketball. The same construction project will call for building the fourth and last unit of the science complex. This structure will house Mathematics, Physics, and Engineering Drawing, thus locating all Science and Engineering related classes in the same area of the campus.

THE RESIDENCE OF STUDENTS

Residence Halls. Each room in the modern residence halls contains clothes closets, a study table, dresser, and two single beds. Each student is required to furnish four sheets, pillow cases, pillow, blankets, bedspreads, towels, laundry bags, and curtains, all of which should be plainly marked with the owner's name.

Women Students. Women students who do not live with

parents or blood relatives are required to live in the women's dormitory. Should the capacity of the dormitory be exceeded, women may live in homes approved by the Dean of Students. Any change in residence may not be made without the approval of the Dean of Students.

Men Students. Men students who do not live with parents or blood relatives are required to live in the men's dormitory. Should the capacity of the dormitory be exceeded, men may live in homes approved by the Dean of Students. Any change in residence may not be made without the approval of the Dean of Students.

Application for Rooms in Residence Halls. An application for room reservation should be addressed to the Dean of Students. No reservation is in effect until a student has an application for admission to Texarkana College on file in the office of the Dean of Students.

An application for a room must be accompanied by a deposit of ten dollars which is refunded upon official withdrawal from the College or upon graduation. If an applicant finds it necessary to cancel a reservation, the deposit is refunded only if the cancellation reaches the office of the Dean of Students three full weeks before the opening of the semester.

Occupancy. Residence halls are open for occupancy at 1:00 P. M. the day before Freshman Orientation and must be vacated by noon of the day following the close of the session. Space in college residence halls is limited. Assignments are made in the order applications are received, except that students in residence have first choice both in reservation and rooms.

All students living in dormitories will be required to take their meals in the college cafeteria.

BUS TRANSPORTATION

Bus transportation will be provided when it is feasible to establish bus routes. Highway conditions and connections and the numbers of students who desire to ride the bus will be the determining factors in establishing routes. In some cases, it may be possible to run feeder cars to connect with regular bus routes. A charge of $25.00 each semester will be made for this service.

SOME ADVANTAGES OF JUNIOR COLLEGE TRAINING

1. In a junior college, students can complete two full years of the regular four-year college course or of the specialized professional courses of engineering, law, medicine, and other pre-professional courses and can get full credit for two years of work when they transfer to any senior college or university.

2. Students in the junior college are afforded the continued influence of the home, community, and church for two more years

after their graduation from high school. Certainly, students who have had this extra advantage can adapt themselves to their new surroundings when they do go away for their last two years of college work.

3. In a junior college which has a rather small enrollment, young students have an opportunity for very close contact with their instructors, who counsel with them and give them the individual attention they need during their first two years in college.
4. Students in junior college also have much better opportunities to participate in student activities, make names for themselves, and to assume responsibilities where they are not overshadowed by upper classmen of a four-year institution.
5. Certainly, the expense of attending a junior college is far less than that of attending a large college or university away from home.
6. Statistical surveys prove that junior college graduates do as well as or better than students do who have had their first two years work in senior colleges or universities.

OBJECTIVES OF TEXARKANA COLLEGE

Mirabeau B. Lamar, second President of the Republic of Texas, many years ago saw the necessity of an enlightened populace when he stated, "An educated mind is the guardian genius of democracy."

Texarkana College has recognized and accepted this challenge. Purposes of Texarkana College:

1. present best academic program possible by offering pre-professional, academic, and terminal courses in best educational atmosphere,
2. offer credit and non-credit courses for adults of community,
3. act as service and cultural center for complete community,

STUDENT ACTIVITIES

Texarkana College encourages and fosters worthwhile student activities under the direction of competent faculty advisors. This is done in the belief that students should experience the opportunity to realize their aspirations and cultivate their interests in popular lines of endeavor outside the classroom.

A general calendar for all student functions will be made up in consultation with the faculty committee on student interests, activities, and organizations during the first month of each semester. No student activity will be approved later than two weeks prior to the date on which this activity is to be held. The Student Senate and the Dean of Students maintain the college activity calendar. All club and student organization activities are cleared through the Student Senate for date of specific functions.

All funds of every organization must be deposited in and dis-

bursed from a central student activity account. Disbursement will be made on the presentation of properly executed vouchers.

The expense of social affairs given by various clubs must be paid by the organization sponsoring the function.

The college auditorium with a seating capacity of 2,500 brings the very best cultural and educational entertainment to the Four States Area. It also provides facilities for college dramatic productions, musical programs, assemblies, and club meetings. Through cooperation with the Texarkana Civic Music Association, all students are admitted to the concerts presented by the Association upon presentation of a student activity card.

STUDENT GOVERNMENT

The Student Senate. The Student Senate of Texarkana College is composed of a president, vice-president, secretary-treasurer, the presidents of the freshman and sophomore classes, and one elected representative from each officially recognized campus organization. For a representative to be officially recognized from another club, the club of which the representative is a member must have a constitution approved by the Student Senate on file in the Office of Dean of Students.

A representative must be a full-time student carrying 12 or more hours each semester with a *C* average in each semester.

The Student Senate is a civic organization which assumes leadership in promoting worthwhile student enterprises. It also serves as an advisory organization representing the student body in its relations with the faculty and administration. Students who are elected to serve on the Student Senate receive valuable training and experience in civic leadership.

The Student Senate is sponsored by the Dean of Students.

CLUBS AND FRATERNITIES

Tee Cee. An organization for men of the college who desire to render service to both the college and the community. There is also opportunity for social contacts among the men and an opportunity for the development of leadership among them.

Delta Psi Omega. Students who meet the requirements may become members of this national dramatic fraternity.

Blue Jackets. A service organization of young women who are chosen on the basis of scholarship, leadership, and service. The membership is limited. This is a young woman's civic organization which makes an unusual contribution toward the enrichment of college life.

Student TSEA. A professional organization the membership of which is composed of students who think they may want to become teachers. Its objective is to interest the best young men and women in education as a life career.

Phi Theta Kappa. National Junior College Honorary Scholastic Society which has as its aims the promotion of scholarship, the development of character, and the cultivation of fellowship among the students. To be eligible for active membership, a student must be of good character and must possess recognized qualities of citizenship as judged by a faculty committee. At the time of election the student must be within the upper scholastic ten per cent of the regularly enrolled student body. The chapter endeavors to send every year a delegation to the national convention. This contact with outstanding college students throughout the United States is a stimulating and worthwhile experience.

The English Club. An organization of students interested in extending their personal enjoyment of literature, in increasing their appreciation of literary forms and ideas, and in opportunities for creative writing. The membership is limited.

Circle K. An international service organization for college men. Membership is based on character, scholarship, and the desire to be of service to the college and to the community.

Pre-Medical Club. A professional organization whose membership is open to pre-medical, pre-dental, and para-medical students of the college. The club makes information concerning the medical and dental professions available to its members and strives to inspire and encourage its members in their academic preparation.

Phi Beta Lambda. A social and professional organization affiliated with both the national and state organization whose membership is open to all students taking business administration courses. The club promotes interest in the commercial department and aids students who are interested in a secretarial, clerical, or business career. Social functions, business-industry tours, and business education workshops are among the club's activities.

The French Club. Each year at the beginning of the second semester a certain percentage of those students making the highest grades in Elementary French are invited to join **Le Cercle Francais,** a chapter of the **International Federation of French Alliances.**

Los Conquistadores. Spanish club for students interested in a better understanding of the Spanish language and the peoples speaking it.

Phi Rho Pi. The National Honorary Forensic Society for Junior Colleges. Its purpose is to promote the interests of oratory, extemporaneous speaking, debate, radio speech, dramatic interpretation and other speech activities. Membership is conferred only upon regular junior college students in good standing who have represented their college in inter-collegiate forensic contests or who have achieved distinction in public speaking.

Science Club. The club seeks to enrich the program of students at the college through its aims: stimulation of the knowledge of science, promotion of scholastic excellence, aid in the perfection of scientific skills, opportunities for service to the community, and providing an understanding of the importance of science in life today.

Professional Nurses Club. An organization for professional nursing students. Its purpose is to foster interest in the nursing profession. The Professional Nurses Club is affiliated with the Texas Nursing Students Association and the National Student Nurses Association.

Mu Upsilon Sigma. The purpose of Mu Upsilon Sigma is to foster and promote fellowship among the students of Texarkana College who are active in the band programs of the college, to give opportunity for leadership, to select members of the bands who are members of Mu Upsilon Sigma, and to provide a means of recognition for superior talent and academic accomplishment.

Texarkana College Players. The purpose of this organization shall be to promote interest and participation in theatre activities among the student body; to provide quality entertainment for members, the student body, and the community; and to uphold the ethical and scholastic standards of educational theatre.

Archaeology Club. The purpose of this organization shall be to promote a better understanding of the American Indian and other archaeological findings of this area; to establish a museum, library, and workshop at Texarkana College; and to follow the regulations of Texarkana College in pursuit of the goals of this organization.

Rodeo Club. An organization of students whose membership is open to anyone interested in the sport of rodeo. The purpose is to encourage active interest and participation in this competitive sport. The club sponsors rodeos during the fall and spring semesters.

Samothrace Club. This organization was the first such college level club organized by the Business and Professional Women's Clubs in the entire nation. Its purpose is to offer social and career development to young women interested in careers in the business and professional world.

STUDENT PUBLICATIONS

The Kennel. The Kennel is the college newspaper published by and for the students. Students who are interested in journalism find the opportunity to serve on the staff of *The Kennel* a real chance for the development of leadership.

The Bulldog. The Bulldog is the college annual presenting a pictorial review of the year's activities. This publication gives op-

portunity for application in many fields of student interest. Experience in advertising is provided as well as in editorial and art work.

RELIGIOUS ORGANIZATIONS

The following organizations have active groups on the campus: Baptist Student Union (B. S. U.), Wesley Foundation, Westminster Fellowship, Missionary Baptist Student Fellowship (M. B. S. F.), and the Newman Club.

ATHLETICS AND SPORTS

Texarkana College encourages the physical and social development of students by sponsoring a program of intramural athletics to meet the desires and needs of its students. At various times, campus groups participate in tennis; basketball; archery; and track and field events. Facilities for these sports are available for students who wish to participate in them.

POLITICAL ORGANIZATIONS

The following political organizations are active on the campus: The Young Democrats and The Young Republicans.

REGULATIONS CONCERNING EXPENSES

All Fees Are Non-Refundable

Terms may be arranged for payment of room and board. No refund will be made on board unless a student is absent at least two weeks in succession.

Room — Per Semester ..... $ 66.25
Board — Per Semester $207.25

LATE REGISTRATION FEE

A late registration fee of $5.00 will be charged all students who enroll after the last designated registration day of any semester.

CHANGE OF SCHEDULE FEE

A fee of $5.00 will be charged for changing a schedule after designated days.

ACTIVITY AND PUBLICATION FEE

Activity and Publication Fee ..... $6.00 Per Semester

This fee is mandatory for all students taking 12 or more semester hours. Students who are taking less than 12 semester hours may elect to pay this fee. The fee entitles the student to admission to all college sponsored activities and to *The Kennel,* the college newspaper. If enrolled for both semesters, the fee also entitles the student to a copy of the college yearbook, *The Bulldog.*

GRADUATION FEE

A graduation fee of $5.00 is paid by all who graduate from the Texarkana College. This fee includes cost of cap, gown, and diploma.

ROOM RESERVATION

Reservation, Breakage, and Key Deposit Fee
for all students residing in dormitory $10.00
(refundable at end of year on return of key and evidence of no breakage)
Student parking sticker fee ..... 50¢

LABORATORY FEES
(Payable in Advance)

Laboratory and equipment use fees shall be charged each semester as follows:

Chemistry	$ 3.00
Biology	3.00
Physics and Physical Science	3.00
Other Laboratory Courses	3.00
Office Machines	5.00
Typewriting	2.50
Nursing Students: Uniforms and Cap	28.50
Nursing Fee	5.00

(The uniforms and cap remain the property of Texarkana College. The student has the privilege of using the uniforms while enrolled in the Department of Nursing. Upon graduation the cap becomes the property of the student.)

L. V. N. Tuition	$100.00
Data Processing	8.00

Tuition for private music is in addition to all regular charges.

Tuition for private music for students enrolled in other classes and paying regular fees:

One 30 minute lesson per week	$30.00
Two 30 minute or 1 hour lesson per week	50.00

TRANSPORTATION FEE

A charge of $25.00 each semester for those riding buses will be made for transportation.

TUITION

The school year is divided into two semesters of seventeen weeks each and a summer session. The students are charged accordingly for all fees.

SCHEDULE OF GENERAL CHARGES FOR ALL STUDENTS EACH SEMESTER

The charges as listed cover tuition for the number of semester hours indicated. These are due and payable upon registration.

Hours	Tuition	Out of District Fee	Building Use Fee
3 or less	$12.50	$ 8.50	$12.50
4	16.50	11.50	16.50
5	21.00	14.00	21.00
6	25.00	17.00	25.00
7	29.00	20.00	29.00
8	33.50	22.50	33.50
9	37.50	25.50	37.50
10	41.50	28.50	41.50
11	46.00	31.00	46.00
12	50.00	34.00	50.00
13	50.00	41.00	50.00
14	50.00	48.00	50.00
15	50.00	55.00	50.00
16	50.00	62.00	50.00
17	50.00	69.00	50.00
18	50.00	76.00	50.00
19	50.00	83.00	50.00
20	50.00	90.00	50.00

Out-of-State charge is $200 tuition plus building use fee as shown in the above schedule.

The above charges apply for auditing courses. Students who are not residents of the State of Texas are charged a non-resident fee which under the Texas Statutes shall be an amount equivalent to the amount charged students from Texas by similar schools in the state in which the said non-resident student shall be a resident, providing that this fee is not less than the fee charged Texas residents. The application of this provision of the law is that residents of Arkansas attend the Texarkana College for the same registration fees required of Texas residents.

The residents of other states will pay the Texas non-resident charge unless it is found that the state of which they are residents can comply with the exemption as stated in the Texas Statutes as follows:

"Non-resident registration fees shall not apply to Junior Colleges located immediately adjacent to State boundary lines, which institutions shall collect from each non-resident student an amount equivalent to the amount charged students from Texas by similar schools in the state of which the said non-resident student shall be a resident."

Policy Concerning Refunds.

Upon presentation to the Registrar of his receipt from the Auditor showing payment of the fee, any student withdrawing officially (a) during the first full week of classwork of a semester will receive a refund of 70 per cent of the applicable portion of the fee; (b) during the second week, 60 per cent; (c) during the third

week, 40 per cent; (d) during the fourth week, 20 per cent; (e) during the fifth week and thereafter, nothing.

An immediate refund will not be made to a student who withdraws within fifteen days after the payment of his fees; but upon request, a check covering all refunds due will be mailed to the address left with the Registrar.

A student who enters the spring semester not knowing his fall semester grades and is required to withdraw because of failure in the work of the fall semester will have all of his registration and tuition fee for the spring semester refunded.

Exemption of Veterans.

Men and women who are citizens of Texas, who are residents of Texas at the time of induction, and who served in the armed forces and were honorably discharged therefrom (except certain limitations for age, personal requests, and period of service) and who are not eligible for educational benefits provided for veterans by the U. S. Government, are exempted from certain required fees but not for deposits, course fees, and certain fees fixed for all students. To obtain this exemption a photostatic or certified copy of the discharge papers and a notarized statement by the veteran that all benefits have expired must be presented to the Registrar at registration.

Since the College receives state aid only on those students who are registered on the 12th class day of the regular session, and who have completed fewer than 64 semester hours of credit, veterans who are not registered on this date, or who have completed 64 or more hours of credit, will not be eligible for the above exemption. That is, persons not registered for the first semester will not be eligible for exemption the second semester of this year.

SCHOLARSHIPS, LOANS AND EMPLOYMENT

Employment.

The college will attempt to find part-time work for those students who wish to work for a part of their college expense. Everything possible will be done to assist worthy students in finding such work. A Student Placement Service, administered by the Dean of Students, is maintained for the primary purpose of helping students secure part-time employment. This service also includes personal interviews, the maintenance of personal records, and the list of job opportunities.

This service also assists graduates and ex-students of the Texarkana College in finding employment in their chosen fields of work.

Scholarships.

Scholarships which are good for one regular session are awarded by the Texarkana College to the first honor graduate of affiliated high schools.

The Altrusa Club of Texarkana grants each year a two-year scholarship to an outstanding girl from both the Texas Senior High and the Arkansas Senior High School.

The Atlanta Rotary Club provides a scholarship for an outstanding graduate of the Atlanta High School. The award is made on the recommendations of the high school and the regulations as set up by the club.

Dr. C. P. Klein provides scholarships for two students studying X-ray Technology.

The Soroptimist Club of Texarkana provides two scholarships for students in Vocational Nursing.

The National Defense Transportation Association awards a scholarship to an area student on the basis of scholastic ability and need.

The East Texas Hospital Association awards a scholarship to a student of the William Buchanan Department of Nursing on the basis of scholastic ability and need.

The Texarkana Rotary Club provides a scholarship for a student from the Texarkana, Arkansas, High School and the Texarkana, Texas, High School. These students are selected under the regulations set up by the club.

The Rho Chapter of Alpha Delta Kappa Sorority provides a scholarship for a girl student who is a graduate of a Miller County high school.

The Texarkana Junto Club awards two scholarships, one to a girl from the Texarkana, Arkansas, High School, and the other to a girl from the Texarkana, Texas, High School. These girls are selected by the faculties of the respective high schools.

The Southwestern Bell Telephone Company provides two scholarships for employees of the Company.

The DeKalb Lions Club has provided a scholarship for a graduate of the DeKalb High School.

The American Business Women's Association of DeKalb provides a scholarship for a girl graduate of DeKalb High School majoring in business.

The Texas City Council of P. T. A. awards a scholarship to an outstanding graduate of the Texas Senior High School.

The Future Homemakers Club of the Texas Senior High School provides a part scholarship for a Texas High School girl majoring in homemaking.

Through the assistance of the following individuals and firms scholarships are awarded to a number of top ranking graduates of high schools in this area: The Texarkana National Bank, The State National Bank, Texarkana Oaklawn Bank, The Borden Company, Southwestern Electric Power Company, Mannie Stevens, Belk-Jones Company, Montgomery Ward, D & W Packing Company, W. F. Murphy, Jr., Dillards, Inc., and Sears Roebuck.

Loan Funds.

The Gazette and News Student Loan Fund. The late Mr. C. E. Palmer of the Texarkana Gazette and Daily News made available a loan fund to be used as personal loans to students when needed for emergencies. The fund will be administered by the Student Senate.

Federal Loans under the provisions of the National Defense

Education Act of 1958 are now available at the Texarkana College. Students interested in these loans should make inquiry to the Business Manager of the college for details and applications. The Rotary Club of Texarkana and the Texarkana Kiwanis Club provided the necessary matching funds for this program.

Other organizations and individuals have funds which are available as loans. These funds are obtainable at a low rate of interest and repayment is not expected until the student has an opportunity to begin earning after completing the college course.

FINANCIAL AID

Instructions to Applicants for Financial Assistance.

This is to inform you of the various programs of financial assistance available at Texarkana College and the procedure for obtaining financial aid.

Types of Financial Aid.

1. National Defense Student Loan Program
2. Nursing Loan Fund
3. Texas Opportunity Plan
4. Guaranteed Insured Loan Program
5. College Work-Study Program
6. Arkansas Rural Endowment Loan Program

Scholarships.

1. Academic
2. Nursing
3. Music
4. First Honor Graduate

Steps to take in obtaining Loans and Scholarships.

1. Before a student can be considered for any specific program, a Parent's Confidential Statement must be completed by the student and approved by his parent, guardian, or spouse. (May be obtained from high school counselor or Dean of Students' Office.)
2. Complete a request for financial aid form. (Dean of Students' Office)
3. When the PCS is received in the Dean of Students' Office a need analysis is made and the student informed of approval or disapproval of the aid requested.
4. Since aid is awarded only to students who satisfactorily complete the requirements for admission to the college, it is necessary that beginning students have the following items on file in the Registrar's Office.
   (a.) Admission Application
   (b.) High School Transcript showing rank in class
   (c.) Entrance Examination Scores
   (d.) College Transcript (If transfer student.)
   (e.) Health Certificate
   (f.) Photograph
   (g.) Two Data Processing Forms

Applications Deadline.

Applications should be submitted at least six weeks prior to time of need. However, they will be accepted as long as funds are available.

PRIZES AND AWARDS

The Rotary Club Good Citizen Award is presented to the student chosen by the faculty for outstanding citizenship qualities during the year.

The Blue Jacket Award goes to the student selected by the students as the best all-round student for the year.

The Hale Parker - Porter Akin Memorial Fund was established in 1963. The purpose of the Fund is to foster excellence in scholarship. An award will be made to an outstanding graduate each year at the spring commencement exercises.

HONORS AND DISTINCTIONS

Students enrolled for 12 semester hours or more who make a 3.8 quality point average are placed on the President's List. Those with a quality point average of 3.2 are placed on the Dean's List.

The College awards to graduates with the Associate of Arts Diploma, Associate of Science Diploma, or Associate of Business Diploma, distinction for excellent scholarship, as follows:

1. Diplomas with Special Distinction to all students having not less than a 3.8 grade point average on all their college work.
2. Diplomas with Distinction to all students having not less than a 3.2 grade point average on all of their college work.

REQUIREMENTS FOR ADMISSION

General Requirements. In order to be admitted to the Texarkana College a prospective student must (1) complete the application blank found on pages 97 and 98 of this catalogue, (2) arrange for a transcript of his credits to be forwarded by the last school attended, (3) furnish the health certificate as found on pages 99 and 100, and (4) furnish satisfactory test scores on the ACT. If he has not taken either of these tests, he must take the ACT Test on the afternoon of the Freshman Orientation day.

For Admission Without Condition. For full admission without condition to academic or commercial courses for credit, graduation from a standard, affiliated high school with at least fifteen units of high school credits, including three units in English, is required. Electives must be chosen from the list approved by State Departments of Education. For students who expect to continue work toward a degree the following prescribed units are recommended:

English — 3 units
Mathematics — 2 units
Social Science — 2 units. (At least one unit in history.)
Language — 2 units, or Science — 2 units.

Not more than four units in Vocational courses are usually acceptable.

Admission by Examination. Students who are not high school graduates may absolve deficiencies in entrance requirements by taking examinations. Other aptitude and placement tests will be given as counseling indicates they are needed or advisable.

Admission by Individual Approval. Any person over twenty-one years of age, or any student who has served in the Armed Forces of the United States, provided he is at least 18 years of age, may, at the discretion of the college, be admitted without examination, to any class below the sophomore level. Satisfactory completion of college work carried together with tests and other devices will be used for satisfying 15 units entrance requirements. Students admitted in this manner must satisfy the entrance requirements before graduation.

Admission by Transfer. Students may transfer to Texarkana College from another college or university upon receipt of an official transcript from that college. Students on academic dismissal from another college may be admitted provided they live in the Texarkana College district and appear before the academic council. An appointment to appear before the council must be made in the Office of the Academic Dean. No student on disciplinary dismissal will be admitted.

Admission to Vocational and Non-Credit Courses. Any person who shows a need for these types of courses will be admitted.

Advance Standing. Students presenting a satisfactory transcript of credits and an honorable dismissal from a recognized and approved college will be allowed credits toward graduation for the work satisfactorily completed.

Health Certificate. All students entering Texarkana College for the first time will be required to file a health statement from a recognized physician.

The examining physician should certify that the student is free from communicable disease and that in his judgment the student suffers no condition that would endanger the health of other students and that he is physically fit to carry on regular college work.

X-rays, immunizations, and other laboratory tests should be satisfactory to the examining physician.

Hazing. The student pledges himself neither to encourage nor take part in hazing in the college.

REQUIREMENTS FOR GRADUATION

Sixty semester hours of work, exclusive of Physical Training, are required for graduation. Four semester hours of Physical Education are also required for graduation. Since most college degrees require more than 120 semester hours of work and since senior colleges usually accept 66 semester hours, or one-half the number of hours required for a degree, it is recommended that

students complete at least this amount of work in their two years at junior college.

For the Associate Degree the required courses are:

English — 12 hours. Three hours of speech may be substituted for three hours of English Literature.

Texas and Federal Government (Constitutions) — 3 hours.

United States History — 6 hours.

Physical Education — 4 hours.

Additional courses required for:

Associate of Arts —

Mathematics, Foreign Language, Fine Arts, Humanities and/or Social Sciences. 18 semester hours.

Associate in Science —

Mathematics and Natural Sciences. 18 semester hours.

Associate in Business —

Major in the field of Business with 18 hours in this field.

Associate in Applied Science in Career Pilot Technology

Associate in Applied Science in Police Technology

Associate in Applied Science in Data Processing

Follow curriculum outline in Technical Vocation Section of catalog.

Substitutions must be approved by the Dean and the faculty.

The remaining hours may be chosen to meet the needs of the student.

Eighteen semester hours must be of sophomore standing. The student must complete the last fifteen semester hours in residence at Texarkana College.

In addition to the quantitative requirement, a student must have a minimum of 2.0 grade point average on all work presented for graduation.

RULES AND REGULATIONS

Transcripts. The first transcript issued will be free. Each one thereafter will carry a charge of $1.00.

Change of Classes. A student making a change in his class schedule after completion of his registration will follow this procedure.

1. Obtain proper forms from registrar's office.
2. Present forms to the Dean for approval.

A fee of $5.00 is made for each change after designated days.

Dropping of Classes. Courses may be dropped without penalty under the following circumstances:

1. Extreme illness, in which case a physician's certificate must be submitted and approved by the Dean.
2. Other circumstances beyond the student's control, approved by the Dean.

In the event of the above conditions the student will receive the grade WP (signifying passing at the time of withdrawal) or the grade WF (signifying failing) as indicated by the instructor. Any withdrawal after the fourth week of a semester shall be recorded WF, unless for reason (1) or (2) as stated above.

After six absences on Monday, Wednesday, Friday classes or

four absences on Tuesday, Thursday classes a letter will be mailed to the parents dropping the student from that class. To receive credit for a course the class must be met at least 80% of the time. (Late entrance, official trips, sickness and all absences are counted.)

Absences before and after holidays will count as double "cuts". If a student is tardy in arriving for his class three times, he will be counted as absent for one time.

When a student is dropped from a course because of excessive absences, a semester grade of "F" will be recorded for the course.

Assemblies. At the discretion of the Administration special convocations of the student body will be called. Each student will be expected to attend. Programs for these convocations will be arranged by an Assembly Committee, and every effort will be made to present programs of broad interest or of cultural value.

General Academic Regulations. The unit for counting credits is the semester hour. A semester hour is defined as one hour of class work a week or its equivalent in laboratory pursued for one semester or eighteen weeks.

The following grades are used in evaluating the student's work: A, B, C, D, F, I, WP, and WF. A, B, C and D are passing grades; F is failure. The grade I, indicating incomplete work, or absence from examination by excuse, must be made up by mid-term of the next semester; otherwise, the incomplete (I) becomes an F.

The value of each grade in quality points is as follows: A—4; B—3; C—2; D—1; F—0; per semester hour.

The normal load for full time students is five courses (15 to 18 hours) of academic work. Except by special permission of the Dean, students will not be permitted to take more than this normal load. Prior approval of the Academic Dean may be requested if a day division student desires to enroll in six academic courses. The student must have maintained a grade point ratio of 3.0 and must have enrolled for at least 12 semester hours in the preceding semester. Permission to carry four courses in the evening division will be granted for one semester if the student enrolled for seven or more semester hours work in the preceding semester evening division. The student must have made a grade point average of 3.0 or better. Students holding jobs outside of their college work should not register for a full time academic load. The amount of college work permitted must be approved in relation to the job time requirement by the Dean. Registration for more than nine semester hours on a three day schedule must be approved by the Dean. Students registered for day classes will not be permitted to register for night courses without the permission of the Dean.

Grading Scale. The grading scale as approved for the faculty of Texarkana College is as follows:

A	92 - 100
B	83 - 91
C	74 - 82
D	65 - 73
F	64 - 0

Reports. Reports on the work of students will be issued at the end of the ninth week and at the end of the semester. It is to be understood that the report at the end of the ninth week covers the instructor's estimate of the student's work for the first nine weeks of the semester. It does not indicate that a student is certain to pass or to fail the course, but does enable the parent and student to judge the quality of work during the first half of the semester. This mid-semester report will enable parents and students to know when students need extra attention in order to pass or make better grades at the end of the semester.

Examinations. The examinations given consist of regular examinations and special examinations. Regular examinations are given at the end of each semester according to a schedule determined by the Academic Dean. These examinations are taken by all students. There are no exceptions.

Examinations given during the semester are to be scheduled at the discretion of the instructor, preferably on the completion of a unit of work. These should be given frequently enough so that a check of progress may be made and the student given the experience of evaluating the work covered.

Special examinations are those given to students to remove conditions on subjects when the condition was caused by time lost due to illness or some other emergency. In order to be permitted to take a special examination the student must secure the approval of the Dean and the teacher of the course. The request for this permission must be submitted in writing to the Dean within one week after the student returns to class.

Scholastic Requirements. A student must maintain a satisfactory scholastic standing in order to remain enrolled in Texarkana College. A "C" average (2.0 quality point average) is required for graduation. Full-time students failing to maintain a 1.8 quality point average will be placed on probation. A student taking less than 12 hours must make two grade points for each academic hour of credit attempted or be placed on academic probation for one semester. One semester is given for removal from probation. The student who shows little progress in his work may be suspended at any time from the college.

Probationary status may be removed by attaining a 1.8 quality point average for the subsequent semester for full-time student, or a quality point average of 2.0 for those carrying less than 12 semester hours.

Any student on academic probation shall not be permitted to represent the college in any activity sponsored by the college. Any student who is on scholarship furnished by the college will be removed from the scholarship should he be placed on academic probation.

A student placed on suspension may apply in writing to appear before the Admissions Council to consider the individual case. Any student thus admitted whether on suspension from

Texarkana College or another institution would have to meet the following requirements as administered by the council:

1. Carry only 12 semester hours and a physical education course.
2. Visit each academic instructor once a week for counseling, guidance, and tutoring.
3. Achieve an overall "C" average by the end of the semester.
4. No class cuts allowed.

Conduct. The College expects and requires from every student decorous, sober, and upright conduct as long as he remains a member of the College.

While the administration and discipline committee cannot assume the full responsibility for the students not on the campus, they reserve the right to make such regulations at any time as may seem advisable, and the violation of the regulations on the part of the student may deprive him of the college privileges. Any time the college excludes a student whose conduct is deemed improper or is contributory to impeding the welfare of the college community, the student will not be eligible for re-entrance during the remainder of the semester in which he is excluded and the next semester. Summer school is not counted as a semester. Because Texarkana College students are well-known for their exemplary conduct, there are few stated restrictions. Gambling and use or possession of beverage alcohol are violations of college policy.

VOCATIONAL REHABILITATION

The Texas Education Agency through the Division of Vocational Education and Rehabilitation offers assistance for tuition to students who have certain physical disabilities, provided the vocational objective selected by the disabled person has been approved by a representative of the division. Application for Vocational Rehabilitation assistance should be made to the nearest rehabilitation office or to the Director of Vocational Rehabilitation, Austin, Texas. Similar assistance is also available from the Arkansas Rehabilitation Department.

COURSE DESCRIPTION BY DIVISIONS

Texarkana College is organized in nine divisions as follows: Business Administration, Fine Arts, Language Arts, Mathematics, Natural Science and Engineering, Nursing, Physical Education, Social Science, and Technical-Vocational.

Under certain divisions, suggested courses of study are listed. These courses of study are composites taken from the requirements for the freshman and sophomore years of representative colleges and universities. This means that the course of study will not invariably fulfill the requirements of every college and university. **This makes it imperative that students planning to transfer to a specific college or university should so inform his counselor so that a program may be outlined that will precisely conform to the college or university to which he plans to transfer.**

THE COLLEGE YEAR

The College year is divided into two semesters for the long session and two terms of six weeks each for the summer session. An eight week summer night session is offered.

RESTRICTION ON COURSE OFFERING

Classes are sometimes scheduled which do not attract sufficient enrollment to justify teaching the courses. As a rule, a minimum of twelve students will be required in any course for it to be offered. The College reserves the right to cancel any course not meeting this minimum requirement.

COURSE NUMBERING SYSTEM

A three-digit system is used to indicate courses offered in any department, except under Applied Music in the Division of Fine Arts. (The system used in Applied Music is explained under the Division of Fine Arts.) The first digit represents the level of the course: "1" for freshman level and "2" for sophomore level; the second digit represents semester hour value of the course; and the third digit differentiates courses within the department.

ART AND SCIENCES CURRICULUM

Frequently students are undecided as to a major field of study. The following is a suggested curriculum that may be followed for those in this category. These courses may be used to fulfill the requirements for many degrees, or may be used for elective credit.

ARTS AND SCIENCES
FRESHMAN YEAR

1st Semester	Hours	2nd Semester	Hours
Eng 131	3	Eng 132	3
Hist 231	3	Hist 232	3
Modern Language	4	Modern Language	4
Math 131	3	Math 132	3
Biol 141	1	Biol 142	4
PE	1	PE 112	1

SOPHOMORE YEAR

1st Semester	Hours
Eng 231 or 233 or 235	3
Gov 231	3
Modern Language	3
Chem 141	4
Elective	3

2nd Semester	Hours
Eng 233 or 234 or 235	3
Gov 232	3
Modern Language	3
Chem 142	4
Elective	3

DIVISION OF BUSINESS ADMINISTRATION

Mr. Briggs, Chairman, Associate Professor, Mrs. Jacobs, Associate Professor, Mr. Mills, Associate Professor, Mr. Nichols, Instructor, Mr. Robinson, Assistant Professor, and Miss Watson, Associate Professor.

GENERAL STATEMENT

The terminal programs are designed to help students to qualify for positions in the business world in a short period and at the same time receive as many of the advantages of college training and experience as time will allow. Many of the courses offered in the terminal programs are identical to those offered in the program leading to a four-year degree. Most of the courses offered in the terminal programs grant full college credit. This is a distinct advantage in qualifying for positions in government and industry. Also, this fact will make it possible for those who have the opportunity to do so to return to college at some later time and complete the requirements for a college degree.

Students who enroll in any terminal program and expect to graduate from Texarkana College with an Associate in Business Degree must fulfill the graduation requirements as listed on pages 33 and 34.

Suggested Course of Study Leading To:

FOUR YEAR DEGREE IN BUSINESS ADMINISTRATION*

FRESHMAN YEAR

1st Semester	Hours	2nd Semester	Hours
Eng 131	3	Eng 132	3
Math 130 or 131	3	Math 131 or 134	3
Science	4	Science	4
Hist 231	3	Hist 232	3
GB 131	3	GB 132 or 231	3
PE	1	PE	1
Psych 111	1		

SOPHOMORE YEAR

1st Semester	Hours	2nd Semester	Hours
Acct 231	3	Acct 232	3
Eng 233	3	Eng 234	3
Govt 231	3	Govt 232	3
GB 231 or 232	3	GB 232	3
Psych 231	3	DP 130 or Math 134	3
PE	1	PE	1

*Refer to catalogue of college to which student will transfer.

FOUR YEAR DEGREE IN BUSINESS EDUCATION OR OFFICE ADMINISTRATION

FRESHMAN YEAR

1st Semester	Hours	2nd Semester	Hours
Eng 131	3	Eng 132	3
GB 131	3	GB 132 or 231	3
Hist 231	3	Hist 232	3
Sec 138	3	GB 133	3
Sec 131 or 132 or 133	3	Sec 134 or 135 or 136	3
Psych 111	1	PE	1
PE	1		

SOPHOMORE YEAR

1st Semester	Hours	2nd Semester	Hours
Eng 233	3	Eng 234	3
Govt 231	3	Govt 232	3
GB 231 or 232	3	GB 232	3
Acct 231	3	Acct 232	3
Math 131	3	Sec 137 or DP 130	3
PE	1	PE	1

ONE YEAR TERMINAL — SECRETARIAL SCIENCE

1st Semester	Hours	2nd Semester	Hours
Eng 130 or 131	3	Eng 131 or 132	3
GB 130 or Acct 131	3	GB 132 or DP 131	3
Sec 131 or 132	3	Sec 132 or 233	3
Sec 134 or 135 or 236 or GB 131	3	Sec 135 or 236 or 237	3
Sec 138	3	GB 133	3
PE	1	PE	1
Psych 111	1		

TWO YEAR TERMINAL — SECRETARIAL SCIENCE

FRESHMAN YEAR

1st Semester	Hours	2nd Semester	Hours
Eng 130 or 131	3	Eng 131 or 132	3
GB 131	3	GB 132 or GB 130 or Acct 131	3
Sec 131 or 132	3	GB 133	3
Sec 134 or 135	3	Sec 132 or 233	3
Sec 138	3	Sec 135 or 236	3
PE	1	PE	1
Psych 111	1		

SOPOMORE YEAR

1st Semester	Hours	2nd Semester	Hours
Eng 132 or 233	3	Eng 233 or 234	3
Acct 231	3	Acct 232 or DP 130	3
GB 231	3	GB 232 or Hist 232 or Psych 231	3
Sec 236 or Hist 231	3	Sec 233 or DP 131	3
Gov't 231	3	Sec 237	3
PE	1	PE	1

NOTE: These students working toward an "Associate in Business" degree must complete Eng 131, 132, 233, 234; Hist 231, 232; and Gov't 231.

GENERAL BUSINESS

GB 130. — Business Mathematics. This is a business oriented course which applies simple mathematics to everyday business practices and procedures including the use of business forms and reports. Drill and business problem solving includes fundamentals, short methods, fractions, percentage, proportion, interest and discount, stocks and bonds, depreciation, insurance and taxes. This course is recommended for one and two year terminal program students only.

GB 131, 132. — Business Principles. An orientation course designed to acquaint the student with the modern business world. The course includes a brief presentation of characteristics of business organization, business records, financial organization risks, personnel, marketing, business association and business and its public. It broadens the student's understanding of the business field and provides background for further study.

GB 133. — Office Machines. Instruction and practice in operating the office machines most often used in business. Emphasis is given to developing skill in the use of adding machines, rotary calculators and printing calculators.

GB 231. — Principles of Economics. A study of the factors entering into production, distribution, and exchange; how values and prices are determined under competition, monopoly, and partial monopoly. Prerequisite: GB 131 or Sophomore standing.

GB 232. — Economic Problems. Special problems dealing with money and banking, labor problems, taxation and public debt, tariffs, and business fluctuations. All principles are tested by application to economic problems current at the time. Prerequisite: GB 231.

ACCOUNTING

Acct 131. — Elementary Accounting — First Course. An introduction to bookkeeping and accounting in which the principles of double-entry bookkeeping are studied. Emphasis is given to each phase of the accounting cycle as the principles are applied to the single proprietorship type of business organization. The course is designed for students who wish to take a one or two year business course and for those who did not take bookkeeping in high school.

Acct 231, 232. — Principles of Accounting. This course is designed as a first year accounting course at the college level. The fundamental accounting principles are developed rapidly through their application to the single proprietorship, partnership, and corporate forms of business organizations. Modern concepts of net income determination and accounting valuation are stressed for the matching of revenues and related expired costs and for the financial statement presentation of assets and equities.

MANAGEMENT

Mgmt 231*. — Industrial Supervision and Foremanship. The aim of this course is two-fold: first, to train students in the principles, methods and techniques of industrial supervision; and second, to offer students training in the principles, methods, and techniques for training supervisors and foremen. Students are given actual practice in group discussion methods for solving supervisory problems. Thirty-two phases of the supervisory job are considered, including giving of orders, safety and accident prevention; reducing wastes, discipline, orientation, planning job instruction, improving processes and methods, labor problems.

Mgmt 232*. — Industrial Safety. A study of accident costs, causes of accidents, fundamentals of accident prevention, and the planning and operating of industrial plants for safety.

Mgmt 234*, 235*. — Industrial Management, Production, Planning and Control. A study of the principles of plant layout, materials handling and control, production planning, production methods, and with consideration of present-day issues and new trends in production technique. (Motion and Time studies.)

Mgmt 236*. — Training and Supervisory Techniques. Study of the responsibility of the supervisor for leadership in planning and directing the work of employees. Special attention is given to the training of new employees, including improvement of work operations, morale, and the methods and techniques of training that have been used successfully in business and industrial organizations.

*The above management courses are fully accredited college courses. Their transfer to four year colleges is often questionable, however, because they are customarily taught at the Junior class level of a four year degree curriculum.

SECRETARIAL SCIENCE

Sec 131. — Elementary Typewriting. Mastery of the keyboard by the touch method; a study of basic machine operation and care of the typewriter; corrective and accuracy drills; development of techniques; and an introduction to letter writing and simple tabulation. Lecture 3 hours, Laboratory 2 hours.

Sec 132. — Intermediate Typewriting. A course designed to develop both speed and accuracy. Study includes special problems in letter arrangement, tabulated reports, problems in centering, rough drafts, and manuscript writing. Lecture 3 hours, Laboratory 1 hour. Prerequisite: Sec 131 or one year of typwriting in high school.

Sec 233. — Advanced Typewriting. An advanced course in typewriting with special emphasis on business correspondence,

legal reports, statistical reports, telegrams, business forms, stencil preparation and the duplicating process. An introduction to the Transcribing Machine is included. Prerequisite: Sec 132 or two years of typewriting in high school.

Sec 134. — Beginners' Shorthand. An introductory course in principles of Gregg Shorthand, Diamond Jubilee System. Presentation of theory with extensive practice in reading and writing. Open to students who have not had previous instruction in shorthand. Meets five days a week. Prerequisite: Typewriting skill or concurrently enrolled in Sec. 131.

Sec 135. — Intermediate Shorthand. A course for students who have had previous instruction in shorthand. Emphasis is placed on dictation and transcription as well as vocabulary building and development of speed. Transcription acceptable for mailing is required. Meets four hours a week. Prerequisite: Sec. 134 or consent of instructor.

Sec 236. — Advanced Dictation and Transcription. Continued speed building with stress placed on rapid and accurate transcription acceptable for mailing. Special attention is given to advanced phrasing and to meeting requirements for civil service examinations.

Sec 237. — Specialized Dictation and Transcription. Terminology of specialized occupations such as: legal, medical, petroleum, and insurance. Congressional record terms and expert shorthand speed shortcuts. Continued emphasis on speed building with rapid, accurate, mailable transcripts.

Sec 138. — Office Practice. A course designed for students who are interested in clerical or secretarial work. Business ethics, grooming for business, proper work habits and attitude, development of an employable personality, office mail, telephone techniques, receptionist duties, banking and financial duties, securing employment, and systems of filing. Assignments are given under typical office situations as nearly as possible.

DIVISION OF FINE ARTS

Mr. Alewine, Chairman, Associate Professor, Mr. Caver, Assistant Professor, Mrs. Jackson, Instructor, Mr. Johnson, Assistant Professor, Mr. Jordan, Instructor.

Suggested course of study leading to the Bachelor of Art Degree:

FRESHMAN YEAR

1st Semester	Hours	2nd Semester	Hours
Art 131	3	Art 132	3
Art 135	3	Art 136	3
Eng 131	3	Eng 132	3
Modern Language	4	Modern Language	4
Hist 131	3	Hist 132	3
PE	1	PE	1
Psych 111	1		

SOPHOMORE YEAR

1st Semester	Hours	2nd Semester	Hours
Art 133	3	Art 134	3
Art 231	3	Art 232	3
Eng 231	3	Eng 232	3
Modern Language	3	Modern Language	3
Govt 231	3	Govt 232	3
PE	1	PE	1

ART

131. — Basic Drawing. The fundamentals of drawing still life, landscape, and architectural subjects. Rendering in line, light and shade; and the study of aerial and linear perspective as related to form and space. Pencil, charcoal, pen and ink. Lecture two hours. Three hours Laboratory.

132. — Basic Drawing. Continuation of Art 131. Advanced problems in the fundamentals of drawing. Lecture two hours, three hours Laboratory.

133. — Elementary Design. The basic principles of design and theory of color. The organization and arrangement of art elements and principles to express the artist's purpose. Pen and ink, tempera and water color.

134. — Elementary Design. A continuation of Art 133. Advanced problems in originating and rendering experimental designs using hand reproduction methods.

135. — Introduction to Art. A study of the basic principles of art, with special attention to the function of art in contemporary culture. Exploration of media and graphic reproduction techniques.

136. — Introduction to Art. Continuation of Art 135. With exploration of two dimensional and three dimensional design potentials.

137. — Art Appreciation. This is a course on the appreciation of art. The content is based on looking at works of art. The object

of this is to broaden and enlighten the cultural background of the student.

139. — Humanities. A study of the basic principles of our civilization. Areas encountered will consist of Art, Music, History, and Literature-Poetry. This course will be team-taught by the Department Heads of the specified areas of instruction. Emphasis will be placed on broadening the appreciation of all elements of current and historical world civilization. Open to all students. No prerequisite.

231. — Life Drawing. Study of gesture, contour and modeling of the human figure with concentration on integrating movement, construction, proportions and mass into a unified whole. Charcoal, pen and ink, and wash. Lecture two hours, Laboratory three hours. Prerequisites: Art 131 and 132.

232. — Life Drawing. Continuation of Art 231. Advanced problems in figure drawing with concentration on rendering of character and likeness. Charcoal, pen and ink, and wash. Lecture two hours, Laboratory three hours.

233. — Elementary Oil Painting. A disciplined study of the use of the oil medium. Color mixing, methods of application on canvas and panels using still life and landscape subjects. Prerequisite: consent of instructor. Lecture two hours, Laboratory three hours.

234. — Elementary Oil Painting. Continuation of Art 233. Advanced techniques in oil painting. Landscape, figure and character studies. Lecture two hours, Laboratory three hours.

238. — Ceramics. Creating pottery forms by use of the slab, pinch, coil, and mold methods; firing and glazing. Lecture two hours, and Laboratory three hours a week.

239. — Ceramics. Continuation of Ceramics 138 with original glaze experiments in clay.

DEPARTMENT OF MUSIC

General Information

The Texarkana College Department of Music offers the first two years of a curriculum leading toward a Bachelor of Music degree, a Bachelor of Music Education degree, and a Bachelor of Arts or Bachelor of Science degree with a major in music.

Courses taught are those generally required for the first two years of a senior college, and if successfully completed should offer no difficulty to the student in transferring to a senior college.

Since the study of music in the first two years is largely the accumulation of fundamental musical skills, a suggested course of study is offered which will encourage the development of these skills. Taking these courses out of order or postponing courses

until the junior or senior year may seriously jeopardize the student's degree plan and even prolong his term of study.

During the first semester of enrollment in the Department of Music each student is assigned an advisor who will counsel him during his two years ot study. This will normally be the faculty member who teaches the student's major applied instrument. This will assure an adherence to the prescribed curriculum and avoid confusion in planning the course of study.

Each student planning to earn a music degree will choose voice or an instrument which he will study each semester during the two years. Those who wish to major in this instrument and who qualify will register for the two hour course of instruction. On the day set aside for counseling, as listed in the college calendar in this catalogue, all prospective music students will assemble in the music building to take a series of aptitude tests to facilitate their counseling prior to registration.

Private instruction in Voice, Piano, Organ, Band and Orchestral instruments is offered each semester for students majoring or minoring in Applied Music. All music majors not using piano as applied music concentration are required to take the piano courses for non-majors. **In addition, all music majors must participate in a major ensemble each semester that they are enrolled in the music department.**

Financial aid is offered each year in piano, vocal, and instrumental music to students with both outstanding talent and financial need. Further information may be secured from the Chairman of the Fine Arts Department.

Suggested Courses of Study Leading to the Bachelor of Music Degree

Vocal: Major **Piano: Minor**

FRESHMAN YEAR

1st Semester	Hours	2nd Semester	Hours
Mu 131	3	Mu 132	3
Mu 111	1	Mu 112	1
Mu 233	3	Mu 234	3
Applied Voice	2	Applied Voice	2
Applied Piano	1	Applied Piano	1
Ensemble	1	Ensemble	1
Eng 131	3	Eng 132	3
Hist 231	3	Hist 232	3
PE	1	PE	1
Psych 111	1	Brass Methods 113	1

SOPHOMORE YEAR

1st Semester	Hours	2nd Semester	Hours
Mu 231	3	Mu 232	3
Mu 211	1	Mu 212	1
Applied Voice	2	Applied Voice	2
Applied Piano	1	Applied Piano	1
Eng 233	3	Eng 234	3
Gov 231	3	Gov 232	3
PE	1	PE	1

Instrumental: Major **Piano: Minor**

FRESHMAN YEAR

1st Semester	Hours	2nd Semester	Hours
Mu 131	3	Mu 132	3
Mu 111	1	Mu 112	1
Mu 233	3	Mu 234	3
Applied Major Instrument	2	Applied Major Instrument	2
Applied Minor	1	Applied Minor	1
Concert Band	1	Concert Band	1
Eng 131	3	Eng 132	3
Hist 231	3	Hist 232	3
PE	1	PE	1
Psych 111	1	Brass Methods 113	1

SOPHOMORE YEAR

1st Semester	Hours	2nd Semester	Hours
Mu 231	3	Mu 232	3
Mu 211	1	Mu 212	1
Aplied Major Instrument	2	Applied Major Instrument	2
Applied Minor	1	Applied Minor	1
Concert Band	1	Concert Band	1
Eng 233	3	Eng 234	3
Govt 231	3	Govt 232	3
PE	1	PE	1

STATEMENT OF COURSES

GENERAL COURSES

131. — Elementary Harmony. An introduction to the elements of music including study of the staff, clefs, key signatures, notation, meter and rhythm, major and minor chords, application of theory at the keyboard. Part writing of figured bass exercises and melodic harmonizations requiring the principal triads.

110. — Elements of Music. For music majors and minors who have not acquired a needed level of the rudiments of music. Non-credit course.

111. — Elementary Sight Singing and Ear Training. Singing in the treble and bass clefs, introduction to alto and tenor clefs, major and minor modes, melodies with harmonic backgrounds of the principal chords. Aural study of beats, their division and subdivisions, intervals and melodies having harmonious backgrounds of the principal chords, harmonic progressions of the principal chords. One hour lecture and two hours laboratory. This course must be taken in conjunction with Mu. 131.

112. — Elementary Sight Singing and Ear Training (continued). Singing melodies with harmonic backgrounds of all diatonic triads, the dominant seventh and supertonic seventh chords. Aural study of syncopation, intervals and melodies with any diatonic harmonic background, diatonic harmonic progressions including the dominant seventh and supertonic seventh chords. One hour lecture and two hours laboratory. This course must be taken in conjunction with Mu. 132. Prerequisite: Mu. 131 and Mu. 111.

113, 114. — Study of Brasses. This course is offered for those who wish to learn to play and teach cornet, baritone, trombone, French Horn, and bass. Required of music educational majors. Three hours of lecture and practice are required.

132. — Elementary Harmony (continued). Part-writing of figurged bass exercises and melody harmonization requiring all diatonic triads, the dominant seventh and supertonic seventh chords and non-harmonic tones. Enlargement of the period in melodic composition. Keyboard study of harmonic progressions and melody harmonizations requiring all diatonic triads, the dominant seventh and supertonic seventh chords. Three hours lecture. Prerequisite: Mu. 131 and Mu. 111.

133. — Music Appreciation. This course is designed for anyone who wishes a broader knowledge of the great music of civilization. Emphasis will be placed on listening and enjoying music of the masters. Open to all students on campus.

221. — Study of Percussion. This course is offered for those who wish to learn to play and teach snare drum, cymbals, tympani, chimes, marimba, bells, and bell lyre. The snare drum is the basic instrument of the course. Rudimental drumming is taught throughout. Required of music educational majors. Three hours of lecture and practice are required.

231. — Advanced Harmony. Part-writing of figured bass exercises and melody harmonizations requiring all diatonic seventh chords and modulation, styles of writing other than chorale. Coharmonic pregressions and melody harmonizations requiring all diatonic seventh chords, modulation to closely related keys. Three hours lecture. Prerequisite: Mu. 132 and Mu. 112.

211. — Advanced Sight Singing and Ear Training. Singing modulations to closely related keys, modal melodies. Aural study of superimposition, compound intervals, melodic and harmonic modulation, all diatonic seventh chords. One hour lecture and two hours laboratory. This course must be taken in conjunction with Mu. 231. Prerequisite: Mu. 132 and Mu. 112.

212. — Advanced Sight Singing and Ear Training (continued). Singing remote modulations and more difficult melodies. Aural study of unusual and mixed meters, remote modulation, altered chords, 9th, 11th, and 13th chords. One hour lecture and two hours laboratory. This course must be taken in conjunction with Mu. 232. Prerequisite: Mu. 231 and Mu. 211.

213, 214. — Study of Woodwinds. This course is offered for those who wish to learn to play and teach clarinet, saxophone, oboe, bassoon, flute, and piccolo.

232. — Advanced Harmony (continued). Part-writing of figured bass exercises and melody harmonizations requiring altered chords, 9th, 11th, and 13th chords, modulation to remote keys.

Styles of writing other than the chorale style. Analysis of the larger forms of compositions. Keyboard study of altered chords, 9th, 11th, and 13th chords, modulationto remote keys. Three hours lecture. Prerequisite: Mu. 231 and Mu. 211.

137. — Music Education. An elementary course in the Fundamentals of Theory as applied and taught in the elementary grades of the public schools. Emphasis is placed on rhythm, scales, intervals, chords, terms, and keys. This course is not open to music majors.

138. — Music Education. Detailed study of the methods and objectives of school music and selection of materials for each grade. Emphasis is placed on the preparation and presentation of lessons by individual students. This course is not open to music majors. Prerequisite: Music 137.

139. — Humanities. A study of the basic principles of our civilization. Areas encountered will consist of Art, Music, History, and Literature-Poetry. This course will be team-taught by the Department Heads of the specified areas of instruction. Emphasis will be placed on broadening the appreciation of all elements of current and historical world civilization. Open to all students. No prerequisite.

233. — Music Literature. A survey for the principal forms and composers of the Renaissance, Baroque, and Classical periods. Presented in three hours lecture and listening period with emphasis on following scores.

234. — Music Literature (continued). A survey for the principal forms and composers of music of the Romantic, Impressionistic and Contemporary periods. Presented in three hours lecture and listening periods with emphasis on following scores.

235. — Church Choir Literature and Techniques. The study of foundations for the prospective church choir organist and conductor of the church choir repertoire, with ensemble and solo materials for choir groups of all ages. The organization and development of a general church music program.

236. — Choral Conducting. Introduction to choral conducting techniques, rehearsal and performance procedures. A detailed study is made of conducting patterns and rhythms.

117, 118. — Voice Class. The rudiments of vocal music, breathing, correct use of body muscles for breath control, diction, and the development of tone will be studied. Technical development will include the study of interpretation, tone production, pronunciation, and vocal expression. Two hours per week including lecture and laboratory, and two hours outside practice required each week.

APPLIED MUSIC

Course Number System for Applied Music

The four number system for applied music includes a key for each digit of the course number. First number indicates level, or year, for which the course is intended; the second number the hours of credit; the third, the field (see key below); and the fourth, the semester of study, as 1, 2, 3, 4.

Applied Music course Mu. 2234 would be interpreted, therefore as (1) a sophomore course, (2) giving two hours of credit, (3) in wind instruments, (4) and the student is in his fourth semester of study.

KEY — The third number of the course number will be one of the following, and will indicate:

1	Piano	4	Instrumental Ensemble	7	Percussion
2	Voice	5	Organ	8	Vocal Ensemble
3	Wind Instruments	6	Concert Choir	9	Concert Band
				0	Stage Band

PIANO

1211-1212. — Freshman Piano (Major). Czerny, Studies; Hanon, Studies; Cramer, Studies; Bach: Inventions, Preludes, and Suites; Scarlatti: Sonatas; Haydn: Sonatas; Mozart, Sonatas; Beethoven: Sonatas Chopin: Preludes, Valses, and Nocturnes. Representative works of similar difficulty from Classical, Romantic, and Modern composers. All scales, major and minor, in parallel motion. Broken chords: arpeggios, dominant seventh chords, and diminished chords. One hour lesson per week with minimum of ten hours practice. (Credit: two semester hours.)

2213-2214. — Sophomore Piano (Major). Cramer: Studies; Bach: Three Pare Inventions, Preludes and Fugues from Well-Tempered Clavier; Beethoven: Sonatas and Variations; Mozart: Sonatas; Mendelssohn: Rondo Capriccioso; Chopin: Preludes, Scherzi, Ballades; Ravel Sonatina. Representative works of similar difficulty from other Classical, Romantic, and Modern composers. Continuation of scales and arpeggios. One hour lesson per week with a minimum of twelve hours practice. (Credit: two semester hours.)

1111, 1112, 2113, 2114. — Freshman and Sophomore Piano (Non-Majors). Required of all music majors not using piano as applied music concentration. Also for students who are not in the music division but desiring to study piano as an elective. Major and minor scales; Clementi: Studies; Heller: Studies; Hanon: Studies; Bach: Gavottes, Minuets, and easier Two-Part Inventions; Chopin: Preludes and Mazurkas; Schumann: Scenes from Childhood. One-half hour lesson per week with a minimum of six hours practice. (Credit: One semester hour.)

ORGAN

1251, 1252. Students desiring to study organ should have studied piano previously and should have attained technical proficiency equivalent to Piano 1211. Gleason: Method of Organ Playing; Dupre: Seventy-nine Chorales; Bach: Eight Preludes and Fugues, The Liturgical Year. Representative works of similar difficulty from Classical and Romantic composers. Works from contemporary French and American composers. Hymns and service playing, modulations and transpositions. One hour lesson per week with a minimum of ten hours practice for organ majors and six hours practice for other students. Prerequisite — Piano proficiency or its equivalent as determined by Music Faculty.

2253, 2254. — Organ. Continuation of Bach Preludes and Fugues and Bach Chorale Preludes; Mendelssohn: Sonatas; Franck: cantabile. Church service playing. Pedal scales. Continuation of technical studies. One hour lesson per week with minimum of ten hours practice for organ majors and six hours practice for other students.

1151, 1152. — Organ (Non-Major). Students desiring to study organ should have studied piano previously and should have attained technical proficiency equivalent to Piano 1211. The fundamentals of organ playing will be studied as well as the history, development, and repertoire of the organ. One-half hour lesson per week with a minimum of six hours practice. Prerequisite: Piano proficiency or its equivalent as determined by the Music Faculty.

2153, 2154. — Organ (Non-Major). Continuation of technical studies; Dupre; Seventy-nine Chorales; Bach: The Liturgical Year; Bach: Eight Little Preludes and Fugues; Hymns. One-half hour lesson per week with minimum of six hours practice.

VOICE

1121, 1122. — Voice (Non-Major). One half hour lesson each week with a minimum of four hours practice each week.*

1221, 1222. — Voice (Major). Two half hour lessons each week with a minimum of six hours practice each week.*

*At the end of the first year the student should know the principles of correct breathing as applied to singing, together with the fundamentals of tone production and diction. The repertoire covered should include the simplest early Italian and English classics. Prerequisite: Voice Class or consent of instructor.

2123, 2124. — Voice (Non-Major). One half hour lesson each week with a minimum of four hours practice each week.*

2223, 2224. — Voice (Major). Two half hour lessons each week with a minimum of eight hours practice each week.*

*At the end of the second year the student should demonstrate a knowledge of one or more of the less exacting arias of

opera and oratorio, recitative, and several standard songs from an oratorio, recitative, and several songs from memory. Voice majors must also have acquired a satisfactory knowledge (especially pronunciation) of one foreign language. Prerequisite: Freshman voice or the equivalent.

WIND INSTRUMENTS

1131, 1132, 2133, 2134. — Wind Instrument Minor. Private instruction in the various wind instruments for beginners or non-majors in the instruments. One half hour lesson per week for one semester hour credit. Enrollment by approval of instructor.

1231, 1232, 2233, 2234. — Wind Instrument Major. Private instruction in the various wind instruments for experienced students and majors. One hour lesson each week or two half hour lessons each week for two semester hours credit. Enrollment by approval of instructor.

Bassoon. Weissenvorn; scales studies. Pare; Revierie, Jancourt; Romanze, Klakharde; The Carnaval, Hume, Freshman study.

Bassoon. Weissenvorn studies. Studies Happrasch; Sonatine, Weinberger; Concerto No. 14, Hassler. Sophomore study.

Saxophone. Method for Saxophone by DeVille. Air from Suite in D by Bach-Leeson. Jota by Gurewich. Freshman study.

Saxophone. Continuation of DeVille Saxophone Method. Sonata by Gurewich. The Duchess by Rehl. Sophomore study.

French Horn. Major and minor scales and arpeggios. Transposition. Band and orchestra repertoire. Methods: Alphonse, Kaprosch, Sansone, Solos according to technical advancement. Freshman study.

French Horn. Transposition.. Band and orchestral repertoire. Methods: Alphonse Clarke, Pottag-Andraud, Sansonne, Kapprasch. Solos: Mozart Concertos; Mendelssohn, Nocturnes; Sicilienne, Pergolesi. Sophomore study.

Oboe. Complete method for oboe, Barrett; Scales Studies, Pare; Three Romances, Schumann. Freshman study.

Oboe. Method for Oboe, Niemann; 16 daily exercises, Labate, Orchestra studies, reed making, Pastorale, Labate; Sonata No. 1, Naddel. Sophomore study.

Clarinet. Scales and arpeggios from Baermann Langenus Vol. III. Rose Forty studies; Canzonetta, Pierne, Concertino, Tartino-Jacob; Adagio-Tarantella, Cavallini; Fantasy Pieces, Schumann, Erwin Fantasy. Freshman and Sophomore study.

Cornet and Trumpet. Major and Minor scales and arpeggios. Transposition. Methods: St. Pacome, Arban, Glantz, Hering, Sachse, Schlossberg. Andante and Allegro. Robartz; Petite Piece Concertante, Malay. Freshman study.

Cornet and Trumpet. Transposition. Band and orchestral repertoire. Methods: St. Jerome, Williams, Sachse, Schlossberg, Pietzch, Clarke, Laurent, Bosquet, Lantz. Sonata V, Corelli-Fitzgerald, Solo de concert, Hue. Sophomore study.

Flute. Modern method of Boehm Flute. Sonata No. 3, Handel; 24 sapracioso, Boehm. Freshman study.

Flute. Orchestral Studies. Fourth Sonata, Bach; Minuet in D, Tryouts for vacanies held by appointment with vocal instructor.

ENSEMBLES

1161, 1162, 2163, 2164. — Concert Choir. The Texarkana College concert choir is composed of 40 selected voices. Music of the classic repertoire as well as modern compositions are studied and performed. This choir has an annual extended tour each spring as well as tours throughout the entire four states area during the year. Tryouts for vacancies held by appointment with vocal instructor. Applications should be made early for membership.

1181, 1182, 2183, 2184. — Vocal Ensemble. The Texarkana College Madrigal Choir is a small vocal ensemble composed of superior voices selected by the director. This group performs music from the Renaissance, Baroque, Classic, and Romantic periods as well as contemporary compositions. The Madrigal Singers tour annually with the Concert Choir and also perform for many special programs throughout Texas, Arkansas, Oklahoma, and Louisiana. Membership is open only with the consent of the instructor and applications should be made early.

Other vocal ensembles are maintained depending upon the demand and forces available. Examples of these are Barbershop Quartets, mixed vocal quartets and trios, and girls trios and sextets as well as Madrigal groups, etc.

1191, 1192, 2193, 2194. — Band. The band performs as a concert band during the school year. Open to all students with approval of the director. To be eligible for spring semester activities, a student must participate in both fall and spring semesters or have special permission of the director.

1101, 1102, 2103, 2104. — Stage Band. Meets regularly through the year and performs standard and special arrangements from the popular and dance idiom. Membership by audition only. Interested students should contact the director before enrollment.

1141, 1142, 2143, 2144. — Instrumental Ensemble. Performs works from the standard brass and woodwinds repertoire. Open to the student body by audition.

DIVISION OF LANGUAGE ARTS

Mrs. Montgomery, Chairman, Professor, Mrs. Carter, Professor, Mrs. Cupp, Assistant Professor, Mrs. Duck, Associate Professor, Mrs. Elgin, Professor, Miss Gardner, Associate Professor, Mr. Jackson, Assistant Professor, Mr. Milazzo, Instructor, Mrs. Parsons, Assistant Professor, Mrs. Peck, Assistant Professor, Mr. Pinkerton, Professor, Mrs. Schnerr, Assistant Professor, Mr. Solganick, Instructor, Mr. Wylie, Assistant Professor.

ENGLISH

031. — Basic English. A preparatory, non-transferable credit course for students who have made unsatisfactory scores on the English placement tests. A course designed to overcome obvious deficiencies (spelling, punctuation, sentence construction) and to give students practice in writing as preparation for English 131. Three semester hours toward graduation at Texarkana College.

131. — Composition and Rhetoric. An intensive study of reading and writing skills. Prerequisite: A satisfactory score on English placement tests or a C in English 031.

132. — A continuation of English 131 with the addition of the literary study of short stories, poems, and drama. Prerequisite: English 131.

134. — Journalism: Beginning Reporting. Basics of news gathering and reporting. Weekly laboratory work on *The Kennel,* the college newspaper. Prerequisites: high school journalism or permission of instructor.

135. — Journalism: Principles. History of journalism, introduction to mass media, and career opportunities in each field. Includes study of news, daily newspaper and news magazine reading, and review of books in the field of communication.

139. — Humanities. A study of the basic principles of our civilization. Areas encountered will consist of Art, Music, History, and Literature-Poetry. This course will be team-taught by the department heads of the specified areas of instruction. Emphasis will be placed on broadening the appreciation of all elements of current and historical world civilization. Open to all students. No prerequisite.

231. — English Literature. A general survey course of English literature from the beginnings through the eighteenth century. A chronological study of the principal authors, their works, and the movements pertaining to English literature. Prerequisite: English 132.

232. — English Literature. A general survey course and a chronological study of the principal authors of England during the nineteenth and twentieth centuries, their works, and the trends in

English literature. The study of an English novel. Prerequisite: English 231.

233. — English Literature Masterpieces. A detailed study of the classics of English literature which have embodied the great ideals of the nation's heritage. Emphasis is placed on the esthetic values of writing through the study of various literary forms. Prerequisite: English 132.

234. — American Literature Masterpieces. A detailed study of the classics of American literature which have embodied the great ideals of the nation's heritage. Emphasis is placed on the esthetic values of writing through the study of various literary forms. Prerequisite: English 132.

235. — World Literature. A study of the masterpieces of western world literature from Homer through the early Renaissance with emphasis on the common bonds of humanity, the common problems of living, and the inter-relations of literary form and thought. There is no duplication of materials covered in other sophomore courses. Prerequisite: English 132.

236. — World Literature. A study of the masterpieces of the western world from Shakespeare to the present time. This course includes selections from both English and American writers. Prerequisite: English 132.

237. — Bible. A literary survey of the Old Testament. Prerequisite: English 132.

SPEECH

111. — Speech-Drama Workshop. A study in forensics activities for competition. Lecture and laboratory practice in debate, oration, oral interpretation (interpretative reading), and one-act plays. Prerequisite: Approval of the instructor.

112. — Speech-Drama Workshop. Continuation of 111.

131. — Public Speaking. A basic course in the study of effective communication through speech. Emphasis is placed upon content, organization, and delivery of speeches for various purposes and occasions.

132. — Public Speaking. A study of various types of speeches, selection and organization of materials with emphasis on the art of persuasion. Advanced laboratory work in group discussion and speaking. Prerequisite: Speech 131.

133. — Business and Professional Speech. Fundamentals of oral communication; study of special types and techniques of speeches most common to business and professional people; practice in business situations; oral reports; sales talks. Panel and committee discussions, and occasional speeches. Credit will not be allowed in both Speech 132 and 133.

DRAMATICS

111. — Speech-Drama Workshop. A study in forensics activities for competition. Lecture and laboratory practice in debate, oration, oral interpretation (interpretative reading), and one-act plays. Prerequisite: Approval of the instructor.

131. — Introduction to the Theatre. A beginners course in drama. The theatre and its place in society. The playwright and his art. The actor and his art. Theatres throughout the world. Laboratory work in oral interpretation, stage movement, pantomime, basic acting technique. Practical experience working with one-act plays and major productions.

132. — Stagecraft. A beginner's course in the arts and crafts of the theatre. Acting, costuming, scene design and construction, lighting, makeup, and directing. Laboratory work in vocal and physical expression, characterization, pantomime, rehearsal, and directing. Practical experience working with classroom scenes, one-act plays, and major productions.

FRENCH

141. — Elementary French. A course in the fundamentals of pronunciation, grammar, conversation, and sight reading. Three lecture and two laboratory practice hours a week for one semester.

142. — Intermediate French. Prerequisite: French 141, two units of high school French, or an appropriate score on placement test. Continuation of French 141 and reading of simple texts. Three lecture and two practice hours a week.

231. — Composition and Reading. Translation of magazines and newspapers in order to increase vocabulary and command of idiom. Oral reports. Emphasis on fluent reading and accuracy in oral and written expression. Prerequisite: French 142.

232. — Composition and Reading. Increased work in French literature and written expression. Prerequisite: French 231.

213-233. — Special studies in French based on needs and interests of individual students. Students may take from one to three hours credit in one semester, but may not exceed a total of three hours of special studies. Prerequisite: French 142 and permission of the instructor.

GERMAN

141. — Elementary German. A course in the fundamentals of pronunciation, grammar, conversation, and sight reading. Three lecture and two laboratory practice hours a week.

142. — Intermediate German. Prerequisite: German 141, two units of high school German, or an appropriate score on placement test. Continuation of German 141 with instruction three hours a week in the classroom and two hours weekly in the language laboratory.

231. — Composition and Reading. Survey of German literary masterpieces and scientific reading. Emphasis on fluent reading and accuracy in oral and written expression. Prerequisite: German 142 or equivalent.

232. — Composition and Reading. Increased work in German literature and scientific readings. Prerequisite: German 231 or equivalent.

SPANISH

141. — Elementary Spanish. Instruction three hours a week in the classroom, two hours a week in the language laboratory. Emphasis in listening comprehension, pronunciation, grammar, and conversation.

142. — Intermediate Spanish. Prerequisite: Spanish 141, two units of high school Spanish, or an appropriate score on placement test. Continuation of Spanish 141 with instruction three hours a week in the classroom and two hours a week in the language laboratory.

231. — Composition and Reading. Translation of magazines and newspapers in order to increase vocabulary and command of idiom. Oral reports. Emphasis on fluent reading and accuracy in oral and written expression. Prerequisite: Spanish 142.

232. — Composition and Reading. Increased work in Spanish literature and written expression. Prerequisite: Spanish 231.

213-233. — Special Studies. Special studies in Spanish based on needs and interests of individual students. Students may take from one to three hours credit in one semester, but may not exceed a total of three hours of special studies. Prerequisite: Spanish 142 and permission of the instructor.

130. — Practical Spanish. A course designed for those who have little or no knowledge of Spanish and who wish to become acquainted with the practical side of the language rather than the grammar. Emphasis on pronunciation, conversation, practical easy reading, and vocabulary building.

131. — Practical Spanish. A continuation of Spanish 130.

DIVISION OF MATHEMATICS

Mr. Fowler, Chairman, Professor, Mrs. Fomby, Assistant Professor, Mrs. McFerran, Professor, and Mr. Parmley, Associate Professor.

Suggested Courses of Study for a Bachelor's Degree Major in Mathematics

FRESHMAN YEAR

1st Semester	Hours	2nd Semester	Hours
Math 131*	3	Math 136	3
Math 132*	3	Math 231	3
Eng 131	3	Eng 132	3
Hist 231	3	Hist 232	3
Chem 141 or Lang or Elective	4	Chem 142 or Lang or Elective	4
Psych 111	1	PE	1
Math 111	1		
PE	1		
	19		17

*Math Placement Test. If suitable score, Math 136 and Math 231 would substitute for Math 131 and Math 132. If suitable score is not made, Math 131 and Math 132 could be taken in the summer previous to enrollment in college.

SOPHOMORE YEAR

1st Semester	Hours	2nd Semester	Hours
Maht 232	3	Math 233	3
Eng 235	3	Eng 236	3
CS 231	3	CS 232	3
Physics 243	4	Physics 244	4
Govt 231 or Lang or Elective	3	Govt 232 or Lang or Elective	3
PE	1	PE	1
	17		17

111. — Slide Rule. The use of the slide rule and problems related to scales. Recommended for mathematics or science majors.

130. — Intermediate Algebra. Sets, logic, fundamental processes, equations and their solution, functions, graphs, systems of equations, quadratic equations, ratio, proportion, variation, and progressions, exponents and radicals. Designed for those students who have had only one year of high school algebra.

131. — College Algebra. Introduction to sets, logic, permutations, combinations, probability, inequalities, partial fractions, complex numbers, determinants, functions, polynominals, and mathematical induction. Two units in high school algebra and satisfactory scores on placement tests prerequisite.

132. — Plane Trigonometry. Sets, ordered relations, number intervals, trigonometic functions, radian measure, variations and graphs of the functions, solution of right triangle and applications,

trigonometic identities, equations and inverse functions, general triangle and complex numbers.

134. — Finite Mathematics for Business and Economics. Sets, probability, binomial distribution, exponents, linear equalities and inequalities, vectors and matrices, linear models, progressions. Prerequisite: Math 131.

135. — Modern Mathematics. Recommended for elementary education majors. Modern concepts of arithmetic and its relation to algebra and geometry. New and old symbols, bases other than ten, basic principles of addition and multiplication, the real numbers and the real line, sets and variables, measurement, modular arithmetic. No prerequisite.

136. — Analytic Geometry. Co-ordinates and loci, the straight line, transformation of co-ordinates, the circle, tangents, equations of loci, parametric equations, polar co-ordinates, properties of the conic sections, transcendental curves. Prerequisite: Mathematics 130 or 131 and 132.

231. — Calculus. Variables, functions, and limits. Derivatives and differentials for polynomials and applications. Differentiation and integration of algebraic, sine and cosine functions. Mathematics 136 as a prerequisite or in parallel.

232. — Calculus. Differentiation and integration involving transcendental functions together wtih applications. Improper integrals, approximate integration, indeterminate forms, mean value theorems, centroids.

233. — Calculus. Centroids, moments of inertia, pressure, work, partial derivatives, Taylor's series, multiple integrals, hyperbolic functions, ordinary differentials equations.

DIVISION OF NATURAL SCIENCE AND ENGINEERING

Mr. McFerran, Chairman, Professor, Mr. Bennett, Assistant Professor, Mr. Burgess, Instructor, Mr. Dill, Associate Professor, Mr. Granberry, Assistant Professor, Mr. Keathley, Associate Professor, Mr. McGee, Associate Professor, Mr. Parsons, Assistant Professor, Mr. Pyle, Assistant Professor, Mr. Richardson, Associate Professor, Mrs. Robinson, Instructor, Mr. Ward, Assistant Professor, Mr. White, Assistant Professor.

SUGGESTED COURSES OF STUDY

DEPARTMENT OF AGRICULTURE

ANIMAL SCIENCE

FRESHMAN YEAR

1st Semester	Hours	2nd Semester	Hours
Chem 141	4	Chem 142	4
Biol 143	4	Agri 133	3
Agri 134	3	Math 131 or 133	3
Eng 131	3	Biol 144	4
Agri 131	3	Eng 132	3
PE	1	PE	1
Psych 111	1		

SOPHOMORE YEAR

1st Semester	Hours	2nd Semester	Hours
Chem 241	4	Chem 242	4
Hist 231	3	Eng 237	3
Agri 234	3	Hist 232	3
Eng 233	3	Phys 141	4
Gov 231	3	Agri 232	3
PE	1	PE	1

FORESTRY

FRESHMAN YEAR

1st Semester	Hours	2nd Semester	Hours
Biol 143	4	Chem 142	4
Chem 141	4	Eng. 132	3
Engr 131	3	Math 132	3
Math 131	3	Geog 131	3
Eng 131	3	Biol 144	4
PE	1	PE	1
Psych 111	1		

SOPHOMORE YEAR

1st Semester	Hours	2nd Semester	Hours
Engr 241	4	Eng 237	3
Agri 131	3	Gov 232	3
Acct 231	3	Sp 131	3
Gov 231	3	Engr 138	3
Phys 141	4	Phys 142	4
PE	1	PE	1

PRE-VETERINARY MEDICINE

FRESHMAN YEAR

1st Semester	Hours	2nd Semester	Hours
Agri 134	3	Biol 144	4
Chem 141	4	Chem 142	4
Eng 131	3	Eng 132	4
Math 131	3	Math 132	3
Biol 143	4	Agri 232	3
PE	1	PE	1
Psych 111	1		

SOPHOMORE YEAR

1st Semester	Hours	2nd Semester	Hours
Chem 241	4	Chem 242	4
Eng 233	3	Eng 237	3
Agri 235	3	Elective	3
Hist 231	3	Hist 232	3
Phys 141	4	Phys 142	4
PE	1	PE	1

GENERAL AGRICULTURE

FRESHMAN YEAR

1st Semester	Hours	2nd Semester	Hours
Chem 141	4	Chem 142	4
Biol 143	3	Biol 144	4
Agri 134	3	Agri 232	3
Eng 131	3	Eng 132	3
Agri 131	3	Agri 133	3
PE	1	PE	1
Psych 111	1		

SOPHOMORE YEAR

1st Semester	Hours	2nd Semester	Hours
Eng 233	3	Eng 237	3
Gov 231	3	Gov 232	3
Agri 235	3	Agri 233	3
Math 131 or 133	3	Hist 232	3
Hist 231	3	Sp 131	3
PE	1	PE	1

DEPARTMENT OF AGRICULTURE

131. — Introduction to Agricultural Economics. A general study of basic principles in economics. Production, distribution, exchange, consumption, business cycles and their relationships to national annual income. Survey of the farm and ranch and the functional and institutional aspects of agricultural finance. Governmental policies and programs related to agriculture.

231. — Wildlife Conservation and Management. An introduction to wildlife and fish resources of the United States with special reference to Texas. The importance of plants and animals in our economic and cultural life. An account of what has happened to

North American Wildlife and consideration of specific plans and methods for its rehabilitation, maintenance, and increase.

133. — Fundamentals of Crop Production. Classification and distribution of farm crops; importance of good varieties and good seed; crop improvement; preparation of the seed bed; commercial fertilizers; manures and lime; seeding practices; crop tillage; harvesting; meadow and pasture management; weeds; crop rotation; diseases and insect enemies. Lecture 3 hours, Laboratory 2 hours.

134. — General Animal Husbandry. An introductory course stressing the importance of livestock and livestock farming. General factors influencing efficiency in feeding, market value, breeding, health, and adaptability of various species to geographical and climatic regions are emphasized. Lecture 3 hours, Laboratory 3 hours.

232. — Dairy Science. A survey of the dairy industry, dairy breeds, standards for selection and culling, herd replacements, feeding, management, and health maintenance. Food value of milk, tests for composition and quality, utilization and processing of market milk and dairy products. Prerequisites: Chemistry 141-142. Lecture 3 hours, Laboratory 3 hours.

235. — Poultry Production. The breeds and types of poultry, culling poultry for egg production, incubation, brooding and feeding for growth and egg production, winter and summer management, housing and hygiene, preparation of poultry for market, methods of marketing, practical application of these subjects to farm conditions. The practice consists of the identification of breeds and varieties, judging poultry for egg production, plans for poultry farms and poultry houses, identification of feeds. Lecture 3 hours, Laboratory 3 hours.

233. — General Entomology. A study of the principal orders of insects; the relation of anatomy and physiology of insects to control methods; the principal insecticides and their uses; the development habits and economic importance of the more common insects with control methods for the injurious species. Lecture 3 hours, Laboratory 3 hours.

234. — Breeds of Livestock. A detailed study of the history, development, and breed characteristics of the breeds of beef cattle, swine, sheep, goats, and horses, along with their adaptation, distribution and breed organizations. Prerequisite: Agri. 134.

236. — General Horticulture. A study of the general field of horticulture; the growth and fruiting habits of horticulture plants; a study of the principles and practices of propagation, including seedage, cutting, graftage, and special methods; a study of the planting, care, culture, harvesting, handling, and utilization of fruit and vegetable crops. Prerequisite: Biology 143. Lecture 3 hours, Laboratory 3 hours.

MEDICAL TECHNOLOGY

After completion of ninety semester hours of required pre-medical technology work at the Texarkana College, a student may complete the work for a Medical Technologist at one of the schools of medical technology in Texarkana. A statement regarding these schools is given below for information.

St. Michael School of Medical Technology. Work at the Texarkana College is fully approved by the St. Michael School of Medical Technology for the three years of pre-medical technology training. The St. Michael School of Medical Technology is approved by the Registry of the Board of Schools of Medical Technology.

After completing the three years of work at the Texarkana College, students may complete the work for a Medical Technologist in the St. Michael School of Medical Technology. This is not a degree program.

Those desiring the degree program may complete their first two years of work at the Texarkana College and transfer to Southern State College, Magnolia, Arkansas, for the third year of work. Upon completion of the fourth year of work at St. Michael's School of Medical Technology, Southern State College will award the Bachelor of Science Degree.

Wadley Hospital School of Medical Technology. Work at the Texarkana College is fully approved for the three years of pre-medical technology training by the Wadley Hospital School of Medical Technology. The fourth year is spent in the Wadley Hospital School of Medical Technology. Wadley Hospital is a hospital of 185 beds and its school is approved by the Registry of the Board of Schools of Medical Technology and the American Medical Association.

Application for admission to the Wadley Hospital School of Medical Technology should be made during the second or third year of the college course.

This is not a degree program. Those desiring the degree program may complete their first two years of work at the Texarkana College and transfer to East Texas State University, Commerce, Texas, for the third year's work. Upon completion of the fourth year of work at Wadley Hospital School of Medical Technology, East Texas State University will award the Bachelor of Science Degree.

PRE-DENTISTRY

FRESHMAN YEAR

1st Semester	Hours	2nd Semester	Hours
Chem 141	4	Chem 142	4
Biol 141	4	Biol 142	4
Math 131	3	Math 132	3
Eng 131	3	Eng 132	3
Hist 231	3	Hist 232	3
PE	1	PE	1
Psych 111	1		

SOPHOMORE YEAR

1st Semester	Hours	2nd Semester	Hours
Phys 141	4	Phys 142	4
Chem 241	4	Chem 242	4
Chem 255	5	Psych 231	3
Biol 241	4	Eng 234	3
PE	1	Gov 232	3
Gov 231	3	PE	1
Eng 233	3		

PRE-MEDICAL

FRESHMAN YEAR

1st Semester	Hours	2nd Semester	Hours
Chem 141	4	Chem 142	4
Biol 141	4	Biol 142	4
Math 131	3	Math 132	1
Fr 141 or		Fr 142 or	
Ger 141	4	Ger 142	4
Eng 131	3	Eng 132	3
PE	1	PE	1
Psych 111	1		

SOPHOMORE YEAR

1st Semester	Hours	2nd Semester	Hours
Chem 241	4	Chem 242	4
Phys 141	4	Phys 142	4
Chem 253*	5	Fr 232 or	
Fr 231 or		Ger 232	3
Ger 231	3	Eng 234	3
Eng 233	3	Hist 232	3
Hist 231	3	PE	1
PE	1		

*Consult medical school catalogue with reference to Chemistry 253.

MEDICAL TECHNOLOGY

FRESHMAN YEAR

1st Semester	Hours	2nd Semester	Hours
Chem 141	4	Chem 142	4
Biol 144	4	Biol 145	4
Math 131	3	Math 132	3
Hist 231	3	Hist 232	3
Eng 131	3	Eng 132	3
PE	1	PE	1
Psych 111	1		

Summer Session

1st Six Weeks	Hours	2nd Six Weeks	Hours
Chem 253	5	Chem 241	4

SOPHOMORE YEAR

1st Semester	Hours	2nd Semester	Hours
Chem 253	5	Gov 231	3
or Chem 241	4	Phys 142	4
Phys 141	4	Biol 241	4
Biol 242	4	Eng 234	3
Eng 233	3		

Recommended Electives to Complete 90 Hours

Spe 131	3	Typ 131	3
Soc 131	3	Fr 141, 142	8
Psych 231	3	Ger 141, 142	8
Gov 232	3	Span 141, 142	8
PE	1	PE	1

BIOLOGY

FRESHMAN YEAR

1st Semester	Hours	2nd Semester	Hours
Chem 141	4	Chem 142	4
Biol 141	4	Biol 142	4
Math 131	3	Math 132	3
Hist 231	3	Hist 232	3
Eng 131	3	Eng 132	3
PE	1	PE	1
Psych 111	1		

SOPHOMORE YEAR

1st Semester	Hours	2nd Semester	Hours
Chem 241	4	Chem 242	4
Biol 242	4	Biol 241	4
Phys 141	4	Phys 142	4
Govt 231	3	Govt 232	3
Eng 233	3	Eng 234	3
PE	1	PE	1

Should consult with advisor and study program from degree-granting college.

141. — General Biology. An introductory course. The morphology and physiology of representative plants. General biological problems. Study of local flora. Three lectures and three hours laboratory each week.

142. — General Biology. An introductory course. The morphology and physiology of representative animals. General biological problems. Study of local fauna. Three hours lecture and three hours laboratory each week.

143. — General Botany of Seed Plants. The seed plant as a living unit; external and internal structures in relation to life processes, reproduction and life history; economic and ecological significance. Three hours lecture and three hours laboratory each week.

144. — General Zoology. A general introduction into the history and branches of the biological fields. A brief survey of animal kingdom. Emphasis on human reproduction and principles of heredity. Three lecture and three hours of laboratory each week.

145. — Anatomy and Physiology. A study of physiology and human anatomy designed particularly for nurses, medical technicians, and physical education majors. Three hours lecture and three hours of laboratory each week.

241. — Comparative Vertebrate Anatomy. Comparative embryology, anatomy, and physiology of vertebrate organ systems;

adaptations; evolutionary history of the vertebrate. Three hours lecture and three hours laboratory each week.

242. — Microbiology. A study of the characteristics and activities of micro-organisms and their relation to health and disease. An introduction to pathogenic organisms with major emphasis on history, morphology, infection, control, immunization and laboratory techniques. Three hours lecture and three hours laboratory each week.

CHEMISTRY

FRESHMAN YEAR

1st Semester	Hours	2nd Semester	Hours
Eng 131	3	Eng 132	3
Math 131	3	Math 136	3
Math 132	3	Math 231	3
Chem 141	4	Chem 142	4
Modern Language 141*	4	Modern Language 142*	4
PE	1	PE	1
Psych 111	1		

*German or French; German preferred.
Government and History may be taken in summer.

SOPHOMORE YEAR

1st Semester	Hours	2nd Semester	Hours
Eng 233	3	Eng 237	3
Math 232	3	Math 233	3
Chem 241	4	Chem 242	4
Chem 253	5	Phys 142	4
Phys 141	4	Modern Language 232	3
Modern Language 231	3	PE	1
PE	1		

Student should consult with advisor and study program from degree-granting institution.

Chem. 141. — General Chemistry. Fundamental principles of pure chemistry, theoretical and applied chemistry. Atomic structures, periodic arrangement of elements, ionic and covalent bonding, liquids, solids, chemical and ionic equilibrium. (Note: satisfies first semester requirement for chemistry in Class A medical schools.) Math 131 either prerequisite or corequisite. Three hours lecture and three hours of laboratory each week.

Chem. 142. — General Chemistry. Fundamental principles of pure chemistry. Study of thermochemistry, electrochemistry, nuclear chemistry, descriptive chemistry and qualitative analysis. (Note: satisfies second semester General Chemistry requirements in Class A medical schools.) Three hours lecture and three hours laboratory each week. Prerequisite: Chemistry 141.

Chem. 241. — Organic Chemistry. Classification, structure, nomenclature, methods of preparation, and standard reactions of alkanes, alkenes, alkynes, cyclic aliphatic hydrocarbons, aromatic hydrocarbons, arenes, alcohols, ethers, and their derivatives. Three hours lecture and six hours of laboratory a week. Prerequisite: Chemistry 142 with a C average.

Chem. 242. — Organic Chemistry. Classification, structure, nomenclature, methods of preparation, and standard reactions of carboxylic acids, sulfonic acids, amines, diazonium salts, aldehydes, ketones, carbohydrates, proteins, polyhydroxy compounds heterocyclic compounds, and their derivatives. Three hours lecture and six hours of laboratory a week. Prerequisite: Chemistry 241.

253. — Quantitative Analysis. The theory and practice of fundamental quantitative analytical procedures. Gravimetric, volumetric, and industrial methods are employed. Special emphasis on the development of laboratory techniques. Three hours lecture and six hours of laboratory. Chemistry 142 with a "C" average prerequisite.

ENGINEERING

PRE-ENGINEERING

FRESHMAN YEAR

1st Semester	Hours	2nd Semester	Hours
Chem 141	4	Chem 142	4
Engr 111	1	Engr 112	1
Engr 131	3	Engr 132	3
Math 136*	3	Math 232	3
Math 231*	3	Eng 132	3
Eng 131	3	Comp Sci 231	3
PE	1	PE	1
Psych 111	1	Phys 243	4

*If student does not pass mathematics placement test, Math 131 and Math 132 must be substituted or taken in summer session prior to freshman year.

SOPHOMORE YEAR

1st Semester	Hours	2nd Semester	Hours
Math 233	3	Gov 231	3
Engr 231	3	Engr 232	3
Phys 244	4	Phys 245	4
Eng 233	3	Eng 237	3
Hist 231	4	Hist 232	3
PE	1	PE	1

*Students should have College Algebra and Trigonometry or their equivalent prior to entering Engineering. These courses should be taken in Summer School preceding fall enrollment.

DRAFTING TECHNOLOGY

FRESHMAN YEAR

1st Semester	Hours	2nd Semester	Hours
Eng 131	3	Eng 132	3
Math 131	3	Math 132	3
Engr 111	1	Engr 112	1
Engr 131	3	Engr 132	3
Engr 133	3	Engr 134 or 135	3
Hist 231	3	Hist 232	3
PE	1	PE	1
Psych 111	1		

SOPHOMORE YEAR

1st Semester	Hours	2nd Semester	Hours
Engr 135 or 134	3	Engr 136	3
Engr 137	3	Engr 138	3
Phys 141	4	Phys 142	4
Gov 231	3	Gov 232	3
Spe 131	3	Eng 237	3
PE	1	PE	1

Engr. 111. — Engineering Orientation. Introduction to the profession of engineering. Slide rule, and its use in problem solution, vectors and vector algebra, logical thinking, neatness and form in solution of problems stressed. Class meets two hours per week.

Engr. 112. — Engineering Orientation. Introductory analysis, statics, and dynamics problems and their solutions. Prerequisite: Engr. 111. Class meets two hours per week.

131. — Engineering Drawing. Technical drawing, including free-hand lettering, theory of orthographic projections, auxiliary views, sections revolutions, intersections and development of surfaces. Axonometric projection, working drawings, tracings and duplication. Three hours lecture, one hour laboratory, supervised study, and individual instruction.

132. — Descriptive Geometry. Principal views, auxiliary and oblique views, visualization of plan, intersections, and warp surfaces. Three hours lecture, one hour laboratory, supervised study, and individual instruction. Prerequisite: Engineering Drawing 131.

133. — Architectural Drawing. Standard architectural details, conventional representation and practice, detail and assembly drawing. The course includes the planning and execution of simple and practical architectural projects. Topographical drawing, tracing, and free-hand lettering constitute a part of this course. Prerequisite: Drawing 131.

134. — Architectural Drawing. A continuation of Engineering Drawing 133; Architectural details in various types of construction; working drawings and techniques of presentation.

135. — Machine Drawing. Application of the graphic language to engineering purposes; engineering sketches; machine fastenings; conventional practice; machine details and working drawings. Prerequisite: Engineering Drawing 131.

136. — Machine Drawing. A continuation of Machine Drawing 135. Application of the graphic language to engineering purposes in areas of machine design and details. Student must meet requirements of extreme accuracy and detail in his drawing of complicated machine processes, and usage of technical charts is emphasized. Drawings will be in third angle projection as well as in axonometric projections. Prerequisite: Engr. 135.

137. — Sheet Metal Layout. A review of geometric construction, followed by the three divisions of sheet metal pattern layout, namely: parallel line, radial line, and triangulation. Prerequisite: Engineering Drawing 131.

138. — Industrial freehand Sketching. Basic techniques of free-hand drawing in line and tone; delineation of form, texture, materials, sketching, and industrial application of free-hand drawing.

231. — Engineering Mechanics I. (Statics). Fundamental principles of statics: force systems, equilibrium, structures, distributed forces, friction, virtual work, moments of inertia of area, and moments of inertia of mass. Prerequisite: Math 231, and corequisite: Math 232.

232. — Engineering Mechanics II. (Dynamics). Principles of dynamics: kinematics, principles of kinetics, Newton's laws of motion, work and energy, impulse and momentum, and periodic motion. Corequisite: Math 233.

DEPARTMENT OF PHYSICS

MAJOR PHYSICS

FRESHMAN YEAR

1st Semester	Hours	2nd Semester	Hours
Biol 141	4	Biol 142	4
Chem 141	4	Chem 142	4
Eng 131	3	Eng 132	3
Math 231***	3	Math 232	3
Math 136***	3	Physics 243****	4
PE	1	Elective or German or French 141**	4
Math 111*	1	PE	1
Psych 111	1		

*Suggested, not required.
**Consult degree-granting school.
***Student must take Mathematics Placement Test.
Government — May be taken in summer.
If Math 131, 132 indicated should be taken in Summer prior to freshman year.
****Math 231 prerequisite.

SOPHOMORE YEAR

1st Semester	Hours	2nd Semester	Hours
Eng 235	3	Eng 236	3
Math 233	3	Math 234	3
Hist 231	3	Hist 232	3
Phys 244	4	Phys 245	4
DP 231	3	Govt 231 (or Modern Language)	3
PE	1	PE	1

Student should consult with advisor and study program from degree-granting school.

Phys. 141. — General Physics. Designed primarily for students who will need additional work in science such as pre-medical, pharmacy, geology, and architecture, who do not expect to do additional work in engineering or physics. Elementary vector algebra, mechanics, heat, and thermodynamics. Three hours lecture and three hours laboratory each week. Prerequisite: Mathematics 131, Math 132, or concurrent enrollment, Math 111 or satisfactory knowledge of the slide rule recommended.

Phys. 142. — General Physics. Sound, electricity and magnetism, light, and modern physics. Three hours lecture and three hours laboratory each week. Prerequisite: Physics 141.

Phys. 243. — Mechanics, Heat, and Sound. A comprehensive course for students of engineering and the physical sciences, providing the background for engineering courses as well as for advanced courses in physics. Elements of mechanics (using both the vector and analytical concepts), heat, and sound. Prerequisite: Mathematics 231. Three hours lecture and three hours laboratory per week.

Phys. 244. — Electricity and Magnetism. A study of the theory of electricity and magnetism with the appropriate measurements and instrumentation. Three hours lecture and three hours

laboratory per week. Prerequisite: Mathematics 232 or concurrent enrollment.

Phys. 245. — Light and Modern Physics. A study of geometric and physical optics. Atomic and nuclear phenomena with related theory and practices. Three hours lecture and three hours laboratory each week. Prerequisite: Mathematics 233 or concurrent enrollment.

PHYSICAL SCIENCE

141. — Physical Science. A survey of the principles of physics and chemistry. The material for the two subjects is integrated where possible. Three hours lecture, three hours laboratory.

142. — Physical Science. A survey of geology, meterology, cosmogony, and astronomy. Three hours lecture, three hours laboratory.

COMPUTER SCIENCE

FRESHMAN YEAR

1st Semester	Hours	2nd Semester	Hours
Eng 131	3	Eng 132	3
Math 131*	3	Math 136	3
Math 132*	3	Math 231	3
CS 131	3	CS 231	3
Chem 141 or Biol 141	4	Chem 142 or Biol 142	4
Hist 231 (Summer)	3	Hist 232	3
Psych 111	1	PE	1
PE	1		20
	21		

*Math Placement Test. If suitable score, Math 136 and Math 231 would substitute for Math 131 and Math 132.

SOPHOMORE YEAR

1st Semester	Hours	2nd Semester	Hours
Eng 235	3	Eng 236	3
Math 232	3	Math 233	3
CS 232	3	CS 233	3
Physics 243	4	Physics 244	4
Govt 231	3	Elective**	
PE	1	PE	1
	17		14

**Foreign Language preferred—First semester should be taken in summer between freshman and sophomore year.

131. — Digital Computer Principles. An introduction to digital computer methods of computation, other number systems, symbolic logic, mechanization of logic, mechanization of storage, timing, arithmetic methods, control, communication with the computer, types of instruction, errors (detection and reduction),

Boolean Algebra. Class meets three times each week with laboratory work as needed.

231. — Digital Computer Programming. Topics discussed are: memory, number systems, input-output devices, logic, and flow charts. Programming languages used are: Machine, symbolic, and FORTRAN. The course is designed to meet the introductory needs of students in Business, Engineering, Mathematics, and Science. 3-hours lecture and 3-hours laboratory weekly. Prerequisites: None.

232. — Electronic Data Processing for Science. The course is designed to teach elementary numerical methods and problem solution using the digital computer to students from Engineering, Mathematics, and Science. Topics are FORTRAN II and IV, Memory Files, Monitor Programs, Input-Output Devices, and selected methods for solving problems. Prerequisite: Mathematics 231, Corequisite: Enrollment in Mathematics 232. Class meets 3-hours weekly with the laboratory work on an individual basis.

233. — Advanced Computer Programming. A study of FORTRAN IV, consideration of compiler construction, survey of other languages and compilers. Introductory computer electronics will be discussed. The use of cathode ray tubes in storage and display of information along with other methods will be discussed. The class meets 3-hours per week with laboratory work as needed. Prerequisites: CS-232 and Mathematics 232.

GEOLOGY

141. — General Physical Geology. A study of earth materials and land forms and the processes of geology at work upon and within the earth. Three hours lecture and three hours laboratory each week.

142. — General Historical Geology. A study of the history of the earth and life upon it as deciphered from its rocks and fossils. Three hours lecture and three hours laboratory each week.

DIVISION OF HEALTH AND PHYSICAL EDUCATION

Miss Nelson, Chairman, Associate Professor, Mr. Taylor, Intramural Director, Assistant Professor, Mr. Williams, Track Coach, Assistant Professor, Mr. Works, Golf Coach, Assistant Professor, Mrs. Works, Gymnastics, Instructor.

The department provides opportunities for every student to acquire skill and knowledge in many sport and recreational activities, so that each may prepare himself for leisure time enjoyment. Emphasis is placed on individual and recreational activities.

The Intramural Sports Program at Texarkana College is designed to give all students an opportunity to participate in a variety of recreational activites.

Physical Education is required for all freshman and sophomore students, and consists of the following activities.

Physical Education for Men:

111M.—Flag Football-Volleyball
112M.—Volleyball-Basketball
113M.—Volleyball-Soccer
114M.—Basketball-Archery
115M.—Weight Training
116M.—Tennis
117M.—Golf
118M.—Gymnastics
119M.—Badminton and Recreation Sports
111B.—Bowling

Physical Education for Women

111W.—Volleyball-Basketball
112W.—Archery-Basketball
113W.—Badminton and Recreational Sports
114W.—Golf
115W.—Tennis
116W.—Gymnastics
117W.—Modern Dance
118W.—Folk and Square Dance
119W.—Body Mechanics and Conditioning Exercises
111B.—Bowling

A student will be required to take a different activity each semester with the exception of bowling. A student may take two semesters of bowling.

Two hours per week. One semester hour credit.

111L. — First Aid. The American Red Cross Standard First Aid Course. Fulfills requirements for Red Cross Certificate. Required of students with doctors certification of disability. This course may be elected by any student, but may not be used in lieu of activity courses for those physically able. One hour per week. One semester hour credit.

112L. — First Aid. The American Red Cross Advanced Course. Requirements and restrictions are the same as in P.E. 111L. One semester hour credit.

113L. — Safety. This course is designed to include knowledge and skills essential for safety. Emphasis will be placed on auto, home, and community accident prevention. Requirements and restrictions are the same as in P.E. 111L. One hour per week. One semester hour credit.

114L. — Foundations of Health. This course includes the fundamentals of health with emphasis on personal hygiene and

healthful living. Requirements and restrictions are the same as in P.E. 111L. One hour per week. One semester hour credit.

115L. — Instructors Course in First Aid. This course includes theory and practice of the American National Red Cross Instructors Course in first aid. This course is designed to meet the requirements set by the American Red Cross for an instructors certificate. Successful completion of the course prepares the student to teach Junior, Standard and Advanced Courses in first aid. Students must take P.E. 111L. and P.E. 112L. as prerequisites to this course.

131. — Foundations of Physical Education. This course is designed as a professional orientation into the major field of physical education, health, and recreation. Its contents comprise a brief history, philosophy, modern trends of physical education, teacher qualifications, vocational opportunities, expected competencies, and skill testing. Three semester hours credit.

132. — Personal and Community Hygiene. A course which deals with the principles of personal and Community health which includes nutrition, drugs and narcotics, mental health, causes and prevention of diseases, marriage and the family, safety, fitness and community health problems and service.

133. — Intramurals and Sports Officiating. A study of the rules of various sports along with practice in officiating for football, volleyball, basketball, and softball. Designed for Physical Education majors and coaches.

DIVISION OF SOCIAL SCIENCE

Mr. Spencer, Chairman, Professor, Mr. Barnett, Assistant Professor, Mrs. Bollinger, Assistant Professor, Mr. Cannon, Assistant Professor, Mr. Gallien, Assistant Professor, Mrs. Gallien, Assistant Professor, Mr. Gilbert, Instructor, Mrs. McFaul, Assistant Professor, Mr. Pryor, Assistant Professor, Mr. Williams, Associate Professor, Mr. Wood, Associate Professor.

PRE-LAW

FRESHMAN YEAR

1st Semester	Hours	2nd Semester	Hours
Eng 131	3	Eng 132	3
Hist 231	3	Hist 232	3
Math 131	3	Math 132 or 134	3
Science	4	Science	4
Spe 131	3	Spe 132	3
PE	1	PE	1
Psych 111	1		

Modern Language strongly recommended.

SOPHOMORE YEAR

1st Semester	Hours	2nd Semester	Hours
Sophomore Literature	3	Sophomore Literature	3
Hist 131	3	Hist 132	3
Gov 231	2	Gov 232	3
Eco 231	3	Eco 232	3
Soc 131	3	Psych 231	3
Acct 231	3	Acct 232	3
PE	1	PE	1

ELEMENTARY EDUCATION

FRESHMAN YEAR

1st Semester	Hours	2nd Semester	Hours
Eng 131	3	Eng 132	3
Psych 131 or Soc 131	3	Soc 131 or Psych 131	3
Sc 141 or Biol 141	4	Sc 142 or Biol 142	4
Ed 137	3	Ed 138	3
Geog 131	3	Math 135	3
PE	1	PE	1
Psych 111	1		

SOPHOMORE YEAR

1st Semester	Hours	2nd Semester	Hours
Eng 233	3	Eng 234	3
Hist 231	3	Hist 232	3
Gov 231	3	Gov 232	3
Ed 135	3	Ed 136	3
Science	4	Science	4
PE	1	PE	1

SECONDARY EDUCATION

FRESHMAN YEAR

1st Semester	Hours	2nd Semester	Hours
Eng 131	3	Eng 132	3
Science	4	Science	4
Hist 231	3	Hist 232	3
Modern Language	4	Modern Language	4
Psych 131 or Soc 131	3	Soc 131 or Psych 131	3
PE	1	PE	1
Psych 111	1		

SOPHOMORE YEAR

1st Semester	Hours	2nd Semester	Hours
Eng 233	3	Eng 234	3
Gov 231	3	Gov 232	3
Psych 231 or Soc 231 or Soc 232	3	Soc 232 or Psych 231 or Soc 231	3
Science	4	Science	4
Elective	3	Elective	3
PE	1	PE	1

HISTORY

131, 132. — Survey of Western Civilization. Historical survey of the origin and development of institutional cultural life from earliest times to the present. Movement of universal significance and the continuity of human history are emphasized. The course is designed primarily to stimulate the student's ability to understand modern problems. History 131 prerequisite for History 132.

139. — Humanities. A study of the basic principles of our civilization. Areas encountered will consist of Art, Music, History, and Literature-Poetry. This course will be team-taught by the Department Heads of the specified areas of instruction. Emphasis will be placed on broadening the appreciation of all elements of current and historical world civilization. Open to all students. No prerequisite.

231, 232. — History of the United States. Review of political, economic, and social trends. First semester: History of the United States to the end of the Civil War. Second semester: Reconstruction to the present. History 231 prerequisite for History 232.

GOVERNMENT

231. — State and Federal Constitutions. Basic ideas of government, federal, state and interstate relations; individual rights; and political parties. Political structures of the national, state, and local governments as outlined in the Federal and Texas Constitutions. This course satisfies the statutory requirements for teacher certification. Open to students of sophomore standing.

232. — American Government. Legislative, executive, and judicial functions in federal, state, and local governments. Survey and appraisal of such problems as civil service, taxation, fiscal policy, foreign relations, national defense, business and labor problems, welfare and social security, agriculture and conservation. Open to students of sophomore standing.

233. — Comparative Governments. A study of the governments of Great Britain, France, Russia, and other foreign countries with some comparisons with the government of the United States. A practical up-to-date application of the workings of these governments will be made. Prerequisite: Government 231.

GEOGRAPHY

131. — Principles of Geography. The study of human society in relation to the physical conditions and the natural resources of the earth. This course should make clear such factors of natural environment as location, climate, relief and forests with emphasis on human response to these factors.

132. — Economic Geography. How and where man makes his living in the various regions of the world; problems on production utilization, and distribution of goods; special emphasis on intelligent uses of human and natural resources.

SOCIOLOGY

131. — Principles of Sociology. A general introduction into the behavior of individuals in social groups, particularly a study of important phases of life as culture, population, institutions, social control, and the major social processes. Analysis of the simpler relations of daily living as illustrative material. Reading, reports, and quizzes.

231. — Social Problems. Survey of some of the major difficulties to which American society is seeking adjustment. A detailed analysis of courses, social significance, and constructive programs pertinent to difficulties. One problem to be selected for intensive study. Prerequisite: Soc. 131 or sophomore standing.

232. — Marriage and the Family. Study of the marriage relationship; events and attitudes leading to it; problems and experiences arising from it; development of a philosophy regarding marriage and family life. Prerequisite: Sophomore standing or permission of the instructor.

EDUCATION*

131. — Introduction to Education. Brief survey of the field of Education. The teacher and the profession, the American school system, including the background, development, administrative organization, and supervision.

132. — Introduction to Educational Psychology. A brief summary of the psychological principles underlying the learning and teaching processes. Prerequisite: Education 131.

135, 136. — Public School Art. The teaching of public school art in the elementary grades. Training in writing and drawing as requested by the State Department of Education; construction work; elementary free-hand and mechanical perspective; elementary design and color; lettering and poster work; art appreciation in elementary grades.

137. — Public School Music. The same as Mu. Ed. 137.

138. — Music Teaching in the Elementary Grades. Same as Mu. Ed. 138.

PSYCHOLOGY

111. — Freshman Orientation and Adjustment. This course is designed to serve as a group study approach to student problems. Course content will evolve out of student interests and needs. Areas of study are adjusting to college, use of library, acquiring basic study skills, improving your personality, making a wise vocational choice. Emphasis will be placed upon active stu-

*These courses are not required for teacher certification in Texas. They are excellent electives and remain on the required list in other states.

dent participation in group activities and "self" study. This course is required of all entering freshmen taking 12 or more hours.

131. — The Psychology of Personal Adjustment. A course designed to bring to students the practical principles of positive mental hygiene. Emphasis is on the application of mental hygiene principles to help individuals achieve efficiency, happiness, and fullness in their daily living.

231. — Introduction to Psychology. A study of the basic principles in psychology bearing on growth, motivation, learning, drives, emotions and similar aspects of human behavior.

232. — Adolescent Psychology. A study of the changes in development and behavior during the adolescent years. Special emphasis on psychological sociological needs. Prerequisite: Psychology 231.

233. — General Business Psychology. Principles of applied psychology; personality development; the adjustment concept—direct attack, substitution, evasion, and retreat; psychology applied to hiring, rating, promoting, and supervision of workers; scientific testing, employee morale; principles of psychological research. Prerequisite: Psychology 231.

236. — Child Psychology and Development. This course presents in systematic fashion the known facts about children—all children—as these facts have been discovered by educators, psychologists, pediatricians, anthropologists, and many others who have devoted themselves to the scientific study of child behavior. Prerequisite: Psychology 231.

THE EVENING SCHOOL DIVISION

B. R. Hughes, Director

The national program of adult education is growing at a phenominal rate. People everywhere are learning that the need for more education does not end with the termination of full-time school attendance. New problems continue to appear and usually their solution requires additional study of the changing conditions which produce them.

Purpose of the Evening College: The Evening College is organized and designed to serve purposeful people of post high school age in this area. The purposes of the Evening College are threefold: (1) To provide the liberal arts of reading, writing, speaking and listening. (2) To provide adults with an opportunity to increase their understanding of the world through the humanities, the social sciences and the natural sciences. (3) To offer adults an opportunity to improve their usage of leisure time through the offering of courses designed to educate them about various hobbies and cultural matters. The standards maintained are the same as for those of the regular day classes of the College.

The Evening College makes it possible for residents of this area to continue their education without interrupting their normal daily activities. For those who wish to complete a specialized college program there are available many courses through which appropriate credit may be earned. If the major interest is in self-improvement or occupational readjustment, courses—credit and non-credit—designed for the specific purposes desired can be provided.

College credit courses are conducted on a semester basis and meet all the requirements of the accreditation organization with which the College is affiliated. Most of these classes meet on the College campus but during the past year some of them were organized and conducted at other centers. When the enrollment is sufficient and a qualified instructor is available, this plan may be extended to other communities in the college service area.

Non-credit courses may be organized when desired for any length of time necessary. They may be general in scope or directed toward a specific objective. They include discussion groups, technical training, hobby activites, and special interest groups and cover a wide range of subject matter and educational activity.

General Education Development or High School Equivalency Tests: Several Educational and Development Tests are given each month to adults who are 18 years of age or over. This examination is to provide a means by which these adults may obtain a high school equivalency certificate. The test scores are generally recognized by employers and colleges as the equivalent of a high school education.

GENERAL INFORMATION

Complete information regarding credit courses, including admission requirements, tuition, class attendance, the marking system, and other operating procedures will be found in the general catalogue.

Tuition for non-credit courses is determined by the actual cost of conducting each course, including instruction and any special facilities that may be required. As a result the cost per course varies but in no case is it great enough to constitute a problem for anyone who is genuinely interested in further education. Since all non-credit courses are operated at cost, necessary books and supplies are furnished by the student.

There are no prescribed educational requirements for non-credit courses. Interested students who can profit from the instruction to be given will usually be approved.

Veterans who wish to receive educational benefits under Public Law 550 should visit the Veteran's Administration office in the Employment Office or call at the College in advance of the registration date.

COLLEGE CREDIT COURSES

Courses from the class schedule (tentative) for the Evening School are listed as follows. Course descriptions and information regarding such other items as college level of the courses and prerequisites may be found in the general catalogue. Any class will be taught if the demand is sufficient.

Business — Business Mathematics, Business Principles, Office Machines, Principles of Economics, Elementary Accounting, Principles of Accounting, Industrial Management, Introduction to Data Processing, Punched Card Equipment, Basic Business Computer Programming, Elementary Typewriting, Intermediate Typewriting, Advanced Typewriting, Beginners Shorthand, Intermediate Shorthand, Office Practice.

Fine Arts — Introduction to Art, Music Appreciation

Language Arts — Basic English, Composition and Rhetoric, English Literature, English Literature Masterpieces, American Literature Masterpieces, Bible, Fundamentals of Speech, Elementary German.

Mathematics — Slide Rule, Intermediate Algebra, College Algebra, Plane Trigonometry, Analytic Geometry, Calculus.

Natural Science and Engineering — General Biology, General Chemistry, Engineering Orientation, Engineering Drawing, Descriptive Geometry, Architectural Drawing, General Physics, Physical Science, Digital Computer Principles.

Physical Education — Safety, First Aid, Foundations of Health, Badminton, Tennis.

Social Science — Survey of Western Civilization, History of the United States, State and Federal Constitution, Principles of Geography, Economic Geography, Principles of Sociology, Social Problems, Marriage and the Family, Introduction to Education, Public School Art, Public School Music, Introduction to Psychology, Adolescent Psychology, Industrial Psychology, Personnel Administration, Child Psychology and Development.

Vocational — Real Estate, Quality Control

NON-CREDIT COURSES

Non-credit courses may be planned for any subject or activity for such length of time as may be desired. Classes may start at any time and meetings may be held wherever suitable facilities are available. The length and frequency of class sessions can be adjusted to serve the need of the group.

VOCATIONAL-TECHNICAL EDUCATION DIVISION

B. J. Murdock, Dean

Vocational Education is seen today as one of the elements in the mainstream of economic progress. The space age and technological change has created a sudden new environment with enlarged dimensions for vocational education.

Vocational Education at Texarkana College ws made a continuing part of the general college program in 1956 with the introduction of the first Licensed Vocational Nurse program. Since 1956, the program has grown to an Area Vocational School. This designation was given to the division in 1965 at which time application for the first vocational-technical building was made. The master plan for the college reflects a complete vocational-technical building complex which will be built when funds are available.

The primary objective of the Vocational-Technical Division of Texarkana College is to equip young men and women with the basic skills and information necessary to enter their chosen occupation. The student may pursue his studies in the full-time day program or attend on a part-time basis at night. The five major fields of study are (1) Police Technology, (2) Associate Degree Nurse, (3) Licensed Vocational Nurse, (4) Data Processing Technology, (5) Career Pilot Technology.

DEPARTMENT OF DATA PROCESSING

Mr. Burkhalter, Chairman, Mr. Self, Instructor

Texarkana College has the latest equipment in Data Processing to train students in all phases from Key Punch Operators to Programmers. The Department of Data Processing offers two separate programs to students. One is the two-year program upon the completion of which a Data Processing Technician Certificate is awarded. The other program is the two-year degree Associate in Applied Sciences Data Processing.

Data Processing Course Requirements
Two Year Certificate Program

1st Semester	Hours
DP 132	3
DP 133	3
Eng 031 or 131	3
GB 130	3
GB 131	3
Psych 111	1
PE	1

2nd Semester	Hours
DP 134	3
DP 135	3
Eng 131 or 132	3
Math 130 or 131	3
GB 132	3
PE	1

3rd Semester	Hours
DP 231	3
Acct 131 or 231	3
BA elective	3
DP 232	3
GB 231	3
PE	1

4th Semester	Hours
DP 243	4
Acct 231 or 232	3
GB 232	3
BA elective	3
PE	1

The Data Processing Technician *Certificate* is awarded upon the successful completion of this curriculum. The Associate in Business Degree may be earned by completing the course requirements for that degree as specified under graduation requirements listed in the catalogue.

Two Year Degree Associate In Applied Sciences Data Processing

1st Semester	Hours
DP 132	3
Eng 131	3
GB 130	3
GB 131	3
Acct 131 or 231	3
Psych 111	1
P.E.	1

2nd Semester	Hours
DP 133	3
Eng 132	3
Math 130 or 131	3
GB 132	3
Acct 231 or 232	3
PE	1

3rd Semester	Hours
DP 134	3
Acct 232 or BA elective	3
Eng 233	3
Govt 231	3
Hist 231	3
PE	1

4th Semester	Hours
DP 135	3
BA elective	3
Eng 234	3
GB 231	3
Hist 232	3
PE	1

D.P. 130. — Introduction to Data Processing. This course is intended for non-data processing majors only. It will give the student a basic knowledge of unit record and computer equipment through a broad approach to the data processing technique. Lecture encompasses the history of data processing from early manual methods to today's third generation equipment. Equipment is studied from a functional rather than operational standpoint. Three hours lecture. No prerequisite needed.

D.P. 131. — Key Punch Operation. This course is designed to give the experienced typist the skills necessary to become a key punch operator. Training will be given on all phases of keypunching including handling of data, handling of cards and operation and care of equipment. A certificate will be issued upon satisfactory completion of the course requirements. Two hours lecture and three hours lab per week. Prerequisite: 50 wpm typing speed.

D.P. 132. — Punch Card Equipment. This course offers the principles of operation of the accounting machine and its peripheral equipment including the key punch, sorter, interpreter, and reproducer. Instruction is also given in principles of control panel wiring for the interpreter, reproducer and accounting machine. Three lecture hours and three lab hours per week. No prerequisite needed.

D.P. 133. — Computer Programming I. This course is an introduction to computing methods and computer equipment. It covers number systems, information coding, input-output devices, storage concepts, processing functinns, and programming techniques. Basic programming in 1401 machine language and 1401 operation will be presented. Three lecture hours and one hour lab per week. No prerequisite needed.

D.P. 134. — Computer Programming II. This course is an extension of D.P. 133. It provides card oriented programming using both Autocoder and Fortran languages. Problems will be assigned to familiarize the student with programming problems including debugging techniques, program patching and error corrections. The student will have hand's on time for assembly or compilation of source programs. Three lecture and three lab hours per week. Prerequisite: D.P. 133.

D.P. 135. — Business Systems Design and Development. This course is designed to guide the student through a study of the design and development of an automated business system. Included are form and card design, payroll, accounts receivable, accounts payable, and general ledger applications. Problems will include all types of systems from small EAM to large EDP installations. Three lecture hours per week. Prerequisite: D.P. 132 and D.P. 133.

D.P. 231. — Computer Programming III. This is an advanced programming course which will fully utilize the 1401 disk oriented system. Students will study disk file generation and maintenance using IOCS and FORTRAN disk routines. RPG and COBOL will be studied and programs will be written for sample problems. Students will be encouraged to utilize utility programs such as sort-merge and disk utility routines as much as possible. The students will write an Autocoder macro routine and place in library for future use. Three lecture hours and three lab hours per week. Prerequisite: D.P. 134.

D.P. 232. — Programming Systems. This course will provide the student with a study of assembler and compiler languages, their unique characteristics, relative advantages and disadvantages, and methods of operation. The students will design and develop an assembler and a compiler processor while in class. Real time, time sharing and conventional operating systems will be examined and discussed. Much attention will be paid to new techniques and developments in both hardware and software. Three lecture hours per week. Prerequisite: D. P. 134 and current enrollment in D.P. 231.

D.P. 243. — Field Project. Individual assignment to carefully selected businesses to successfully design and develop a genuine business application using data processing. The student will fully document and prepare including flow charts, card and form designs, necessary programming and data collection providing acceptable output as proof of completion. One hour conference and at least five hours lab in field per week. Prerequisite: Consent of department head.

DEPARTMENT OF FLIGHT TECHNOLOGY

Mr. Pease, Chairman, Mr. Faulkinbury, Instructor

Introduction

Within the next few years, the image of the pilot as a professional man will be universally accepted. College freshmen will be considering flying careers along with those who choose medicine, and other professions.

Within the next ten years, the air age will be demanding that the colleges play a guiding role in pilot training. The man who will fly the planes of tomorrow must be a well educated and trained person—not just a "fly-boy" type pilot. In this program of Flight Technology, Texarkana College will offer the associate degree in applied air technology aimed at meeting the requirements of major airline training programs.

Entrance Requirements

1. High school graduates
2. Must be able to pass the G.E.D. test in lieu of the high school diploma
3. Must be able to show evidence of passage of the second class medical certificate
4. Individual approval

Instructor Requirements

1. The instructor will hold a valid ground-air instructor's rating both single and multi-engine
2. A valid commercial pilot rating
3. An instrument pilot rating
4. A valid vocational-technical certificate from the Texas Education Agency

CURRICULUM OF THE FLIGHT TECHNOLOGY COURSE

FRESHMAN YEAR

Fall	Hours
Hist 231	3
Approved Eng	3
Aircraft Sci AT 131	3
Pre-Flight AT 133	3
Flight Instruction AT 111	1
Vo Tech Math VT 137	3
PE 111	1
Psych 111	1
	18

Spring	Hours
Hist 232	3
Approved Eng	3
Propulsion Systems AT 132	3
Private Pilot AT 130	3
Aerophysics AT 135	3
PE 112	1
	16

SOPHOMORE YEAR

Fall	Hours
Govt 231	3
Aerodynamics AT 231	3
Intermediate Flight I AT 134	3
Air Navigation AT 236	3
PE 211	1
Approved Eng	3
Meteorology AT 232	3
	16

Spring	Hours
Govt 232	3
Report Writing Eng 136	3
Advanced Flight AT 235	3
Advanced Flight AT 216*	1
Intermediate Flight II AT 234	3
Radio Aids and Communications AT 238	3
PE 212	1
Air Transportation AT 233	3
	20

AERONAUTICAL TECHNOLOGY COURSE DESCRIPTIONS

AT 111. — Flight Instruction. (Solo). Credit 1. A specific introduction to flight through actual flying experience in modern, safe, fully equipped aircraft. Sixteen hours of instruction is provided of which ten hours is spent in dual flight and six hours in oral instruction and briefing. The program is more than sufficient to qualify a student for solo flight. This course is designed for those who wish to begin training toward qualifying for a Federal Aviation Agency Private Pilot Certificate; also for the Aero Technology students who merely desire to achieve the fundamental, practical experience of flight and first-hand knowledge of aircraft operations. Prerequisite: None.

AT 233. — Air Transportation. (3-0). Credit 3. The development and present status of air transportation, federal legislation, characteristics and classification of air carriers; the organization and functions of the Federal Aviation Agency and the Civil Aeronautics Board is reviewed. Prerequisite: None.

AT 234. — Intermediate Flight. (II). (Commercial Pilot). Credit 3. A continuation of AT 134. The second half of two phases of flight training leading to the successful completion of the Federal Aviation Agency Commercial Pilot Certificate. A total of seventy-five hours of instruction is provided including fifteen hours of dual flight, forty hours of solo flight and twenty hours of oral instruction and briefing. Prerequisite: AT 134 or equivalent flight experience as determined by the instructor.

AT 235. — Flight—Advanced I. (Instrument Pilot). Credit 3. The necessary instruction to qualify for the Federal Aviation Agency Instrument Pilot Rating. A total of forty hours of instruction is provided, including twenty hours of dual flight, ten hours of synthetic flight and ten hours of oral instruction and briefing. Prerequisite: AT 130, or a Private Pilot Certificate; or AT 234, or a Commercial Pilot Certificate.

AT 216. — Flight—Advanced II. (Multi-Engine Pilot). Credit 1. This course of flight training leads to the Federal Aviation Agency Multi-Engine Pilot Rating. All flying is given in modern twin-engine aircraft and is designed to give the advanced pilot a

greater depth of aircraft experience. A total of twenty hours of instruction is provided, including ten hours of dual flight and ten hours of oral instruction and briefing. Prerequisite: AT 130, or a Private Pilot Certificate, or AT 234, or a Commercial Pilot Certificate.

AT 236. — Air Navigation. (3-0). Credit 3. The basic elements of air navigation; the fundamentals and practical application of pilotage and dead reckoning, including the use of plotter, computer, aerial charts and Federal Aviation Agency publications pertinent to flying. Prerequisite: AT 133 or equivalent.

AT 238. — Radio Aids and Communications. (3-0). Credit 3. Basic radio fundamentals as used by the pilot. A description and practical use of various radio aids to safe aerial navigation, including Very High Frequency Omni Direction Range (VOR), Instrument Landing System (ILS), Direction Finding (DF) and others. Charts and approach plates as adopted to radio navigation including the use of the Flight Information Manual and Airman's Guide. Prerequisite: Instructor's permission.

AT 130. — Basic Flight. (3-1). (Private Pilot). Credit 3. This course is designed for completion of the Private Pilot Certificate; it exceeds the minimum flight hours necessary to satisfy the Federal Aviation Agency requirements. A total of fifty-five hours of instruction is provided, including fifteen hours of dual flight, twenty-five hours of solo flight, and fifteen hours of oral instruction and briefing.

The student should also enroll in AT 133, Pre-Flight, which is the Private Pilot Ground School, or show evidence of having successfully passed the Federal Aviation Agency written examination for the Private Pilot Certificate.

AT 131. — Aircraft Science. (3-0). Credit 3. This course serves as an introduction to the study of several basic sciences in the aeronautical field, as applied to their theoretical and practical use in aircraft construction and design.

AT 132. — Propulsions System. (3-0). Credit 3. This course introduces the student to the actual propulsion hardware. Typical operational type power plants are available for study.

AT 133. — Pre-Flight. (3-0). Credit 3. The principles of flight, basics of air traffic control, weather facts, navigational procedures and airplane operation as are pertinent for the Private Pilot, upon successful completion of this course, the student has sufficient knowledge to pass the Federal Aviation Agency written examination for the Private Pilot Certificate, which constitutes the final examination. Prerequisite: None.

AT 134. — Intermediate Flight. (3-1). (Commercial Pilot). Credit 3. This course is the first half of two phases of flight training in preparation for the Federal Aviation Agency Commercial Pilot Certificate. A total of seventy-five hours of instruction is

provded, including fifteen hours of dual flight, forty hours of solo flight and twenty hours of oral instruction and briefing. Prerequisite: Basic Flight.

AT 135. — Aerophysics. (3-0). Credit 3. Introduction to physics, physical terms, the basis for physical laws in practical application to aeronautics. Course of study includes laws of motion, gas laws, electromagnetism, basic principles of electrical circuits, hydraulics and pneumatics. Prerequisite: None.

AT 231. Aerodynamics. (3-0). Credit 3. This course covers the physical properties of air, airflow, standard atmosphere, forces on solids moving through air, lift, drag, planform, air foil selection, and performance factors.

AT 232. — Meteorology. (3-0). Credit 3. This course aims to present concisely and systematically the science of meteorology in its present state of development. The primary purpose is to set forth the facts and principles concerning the behavior and responses of the atmosphere.

VT 137. — Math. Use of slide rule in multiplication and division, fundamental processes of fractions and decimals, fundamental operations in algebra, equations and formulas, graphing functions, trigonometic functions of right triangle, solution of right triangle and applications.

DEPARTMENT OF NURSING

Mrs. Keith, Chairman, Professor, Mrs. Bransford, Instructor, Mrs. Davis, Instructor, Mrs. Finn, Instructor, Mrs. Kyzar, Instructor, Mrs. Livingston, Instructor, Mrs. Miller, Instructor, Mrs. Taylor, Instructor, and Mrs. Willis, Assistant Professor.

THE WILLIAM BUCHANAN DEPARTMENT OF NURSING

The Department of Nursing was established in 1959 to prepare students to become practitioners in the field of nursing.

The Associate Degree Program in nursing provides a general education together with nursing education on a college level. Students receive classroom instruction and co-ordinated clinical experience in the nursing care of patients at local hospitals and community agencies under supervision and guidance of the college faculty.

Upon completion of the two-year course the student receives the Associate in Science Degree from Texarkana College and is eligible to write the examination in Texas to become a registered nurse. After registration in Texas endorsement may be secured in other states. The Department of Nursing is accredited by the Board of Nurse Examiners for the State of Texas as well as by the National League for Nursing.

Applicants for the Department of Nursing follow the College

admission procedure. In addition, the applicant takes pre-entrance tests and submits an application to the Department of Nursing. Admission to the department will depend upon performance on the pre-entrance tests.

PHILOSOPHY

The William Buchanan Department of Nursing is an integral part of Texarkana College and reflects the democratic philosophy of the College. Nursing is an art, a science and a service which endeavors to meet the patient's total basic needs and is carried out in part under medical authority. It involves understanding of the person and recognition of him as an individual. It also includes prevention of disease, promotion of health and rehabilitation of the individual to a useful life in the community. Knowledge and understanding of the biological, physical and social sciences provide a basic foundation.

Education is an active, cumulative process which involves the acquisition of knowledge and development of skills, enabling the individual to enrich his own life and to become a contributing member of society.

The student learns from a curriculum planned to provide a combination of general and special education with opportunity for self direction. Presentation is guided by sequential organization and correlated learning experiences.

The faculty creates an environment which is conducive to intellectual pursuit. Each member through educational preparation, experience, philosophy, and personality influences the development of the student.

The graduate of the program can be expected to render safe, direct nursing care. She has the knowledge and skill to solve basic nursing problems, to perform basic nursing activities founded on scientific principles, to participate as a member of the health team, to establish acceptable interpersonal relationships with patients, their families and co-workers, and to utilize supportive community resources as necessary in patient care.

Central Objective:

To guide the individual student as she endeavors to become a contributing member of society in the health field. To identify the basic concepts of nursing including the application of knowledge in solving nursing problems, and to exhibit skill in performance of basic procedures pertaining to the maintenance of health and the care and rehabilitation of the person who is ill.

Contributory Objectives:

1. To understand her role as a therapeutic agent in each area of nursing.
2. To understand the components of effective interpersonal relationships.

3. To know how to establish and maintain effective interpersonal relationships.
4. To understand the basic needs of patients; psychological, sociological, physiological and spiritual.
5. To know how to meet the basic needs of patients.
6. To understand the scientific principles necessary to provide direct nursing care.
7. To know how to apply scientific principles necessary to provide direct nursing care.
8. To know the facilities within the community that contribute to health of individuals.
9. To know how to utilize the health facilities of the community.
10. To understand the value of keeping abreast with current developments in nursing.

WILLIAM BUCHANAN DEPARTMENT OF NURSING

FRESHMAN YEAR

Students Entering September

1st Fall Semester	Hours
Fundamentals 181	8
Anatomy & Physiology 145	4
Psychology 231	3
Freshman Orientation 111	1

1st Spring Semester	Hours
Medical-Surgical I 172	7
English 131	3
Microbiology 242	4

Summer—1st 6 wks.	Hours
Psychiatric Nurs. 153	5

Students Entering January

Spring	Hours
Fundamentals 181	8
Anatomy & Physiology 145	4
Psychology 231	3
Freshman Orientation 111	1

Summer—2nd 6 wks.	Hours
Psychiatric Nurs 153	5

Fall	Hours
Medical-Surgical I 171	7
English 131	3
Microbiology 242	4
Psychology 236	3

SOPHOMORE YEAR

Fall	Hours
Medical-Surgical II 271	7
Physical Science 141	4
History 231	3

Spring	Hours
Pediatrics 253	5
Maternity 252	5
Sociology 131	3
History 232	3

2nd Summer	Hours
Government 231	3
English 132	3
Nursing 214	1

Spring	Hours
Medical-Surgical II 271	7
Physical Science 141	4
History 231	3

Summer	Hours
Nursing Seminar 214	1
Government 231	3
English 132	3

Fall	Hours
Pediatrics 253	5
Maternity 252	5
Sociology 131	3
History 232	3

181. — Fundamentals of Patient Care and Introduction to Medical-Surgical Nursing. Designed as a foundation course to develop the concept of appropriate nursing care for the individual person. Through the use of the problem-solving process, scientific principles are applied to the development of basic nursing skills. Provides for participation in hospital care of patients. Introduces knowledge concerning mental health principles and community health agencies which contribute to the total health needs of patients. Includes a survey of the history of nursing; presents fundamental principles of nutrition, pharmacology, and interpersonal relationships. Lecture, 4 hours, laboratory, 12 hours.

172. — Medical-Surgical Nursing I. Designed to provide knowledge and understanding of the principles of nursing care of the ill adult relating to manifestations of disease, diagnostic and therapeutic procedures, surgical intervention, preventive measures, and rehabilitation. Introduces principles of surgical asepsis with operating room experience. Correlates pharmacology, diet therapy, mental health principles, and community aspects throughout the course. Provides learning experiences through selected patient assignments in the clinical area. Lecture, 3 hours, laboratory, 12 hours.

153. — Psychiatrict Nursing. Designed to provide principles of nursing care to meet the needs of the psychiatric patients and their families based on the understanding of principles of mental health. Emphasizes communication, interpersonal relationships, and the psychodynamics of human behavior. Experience in the nursing management, treatment, care, and rehabilitation of these patients is provided in local clinical areas, supplemented by two weeks at Arkansas State Hospital, Little Rock, Arkansas. Lecture, 5 hours, laboratory, 15 hours for nine weeks.

271. — Medical-Surgical Nursing II. Designed as a continuation of Medical-Surgical Nursing I. Includes cycle of patient care (caring for the same patient through the pre-operative, operative, and post-operative period). Provides learning experiences in team nursing. Lecture, 3 hours. Laboratory, 12 hours.

252. — Maternity and Newborn Nursing. Designed to include knowledge and skills essential for giving nursing care to women throughout the maternity cycle and to the newborn. Include diseases peculiar to women. Correlates pharmacology, nutrition, mental health, and family and community aspects with subject content. Provides laboratory experiences with selected patient assignments in the hospitals and other community agencies. Lecture, 5 hours. Laboratory, 15 hours.

253. — Nursing of Children. Designed to provide basic principles of nursing care for the ill child. Includes knowledge of the disease conditions commonly found in a given age period; clarifies the interrelations of maturation with specific illnesses. Emphasizes the meaning and signficance of illness and hospitaliza-

tion to the child and his family. Develops the students' ability to function safely and effectively in the role of the pediatric nurse through selected patient assignment in the hospital and other community agencies. Lecture, 5 hours. Laboratory, 15 hours for nine weeks.

214. — Nursing Seminar. Designed for exploration of current trends in nursing. Develops a concept of responsibilities and duties associated with future hospital employment. Includes principles from the code of ethics for registered nurse. Provides learning experiences through selected assignments. Lecture, 1 hour.

VOCATIONAL NURSING PROGRAM

Mrs. Woner, Chairman, Instructor, Mrs. Landgraf, Instructor, Mrs. Humphrey, Instructor.

Texarkana College offers a twelve month program in Vocational Nursing which is designed to prepare the mature person for nursing care under the supervision of a registered nurse or physician. The program is approved by the Texas Board of Vocational Nursing and the Arkansas Board of Nurse Examiners. New classes begin in April and October of each year. Upon successful completion of the program a student is awarded a certificate of graduation; the title of L.V.N. is conferred upon the student passing the State Examination for licensing. Interested students should contact the Director of Vocational Nursing for further information regarding registration in the Vocational Nursing Program.

DEPARTMENT OF POLICE TECHNOLOGY

Mr. Pynes, Chairman-Instructor

Introduction

The Associate in Science Degree in Police Administration and Police Technology will attempt to meet the needs of persons seeking employment or a promotion in public or private agencies concerned with maintaining public safety, the prevention of crime and the reduction in the loss of lives and property from crime and its allied causes.

Texarkana College offers this program leading to an Associate in Science Degree in Police Technology on a full-time basis in the Day Division or on a part-time basis in the Evening Division.

Admission Requirements

Admission to any program leading to a degree at Texarkana College requires a high school diploma or its equivalent. Non-high school graduates should contact the Dean of Vocational-Technical Education for the completion of the G.E.D. high school test.

All students should meet the minimum physical requirements of the police force for which they plan to seek employment.

POLICE TECHNOLOGY CURRICULUM

First Year

1st Semester	Hours
Hist 231	3
Eng 131	3
LE 131	3
LE 132	3
LE 133	3
Psy 111	1
	16

2nd Semester	Hours
Hist 232	3
Eng 132	3
LE 134	4
LE 135	4
LE 136	3
	17

Second Year

1st Semester	Hours
Govt 231	3
LE 231	3
LE 232	3
LE 233	3
Eng 235	3
Soc 131	3
	18

2nd Semester	Hours
Govt 232	3
Psy 231	3
LE 234	3
LE 235	3
Speech 131	3
Soc 231	3
	18

LAW ENFORCEMENT TECHNOLOGY DESCRIPTION OF COURSES

Police Technology courses are not designed for transfer to a senior college or university and will not necessarily count toward any baccalaureate degree unless the senior college or university may choose to allow it.

L.E. 131. — Police Administration I. Three hours credit. A philosophy and history of law enforcement; organization and jurisdiction of local, county, state and federal law enforcement agencies, professional opportunities, organizations and qualifications required. Analysis of the duties and responsibilities of police administrators. Three lecture hours each week.

L.E. 132. — Police Administration II. Three hours credit. Modern methods and skills required for criminal investigation, to include discovery methods, development and lifting of latent fingerprints, criminal scene sketches, the use of plaster and silicone rubber for reproducing evidence at crime scene; use of modern investigation aids and techniques of criminal interrogation. Three lecture hours each week.

L.E. 133. — Criminal Law. Three hours credit. A study of definitions, structure and important sections of the Penal Code and other criminal statutes and procedures. Covers laws of arrest, search, and seizure; laws of evidence, criminal procedures, and Texas Penal Code. Three lecture hours each week.

L.E. 144. — Criminal Evidence and Investigation. Four hours credit. The types and degrees of evidence and the rules governing the admissibility of evidence into court; investigation procedures,

crime scene, search and recording; collection and preservation of evidence; laboratory aids; sources of information; interviews and interrogation; followup and case preparation. Current trends, nature and causes of crime. Sociological aspects of criminal law and procedure. Three lecture hours and three laboratory hours each week.

L.E. 145 — Health Education and First Aid. Four hours credit. Health knowledge and practice in regard to individual and group welfare; personal hygiene; community health problems, communicable disease control and health organizations. Instruction in American National Red Cross first aid methods for emergency treatments of injuries and sudden illness. Advanced certificate required for completion of course. Two lecture hours and three laboratory hours each week.

L.E. 136. — Traffic Law and Court Room Procedures. Three hours credit. State vehicle requirements and related laws; routine traffic duties of an officer; traffic accident investigation techniques and reports; special traffic problems; the traffic court; case preparation from incident to final disposition through court. Two lecture hours and three laboratory hours each week.

L.E. 231. — Firearms and Defensive Tactics. Three hours credit. The moral aspects, legal provisions, safety precautions and restrictions covering the use of firearms; firing of firearms and shotguns; protection against person armed with dangerous and deadly weapons; demonstration and drill in a limited number of holds; restraint of prisoners and mentally ill; use of the baton; mob control. Duties and problems of the police supervisor; recruitment, training, promotion, discipline and morale, duty assignments and shift supervision, human relations problems. Two lecture hours and three laboratory hours each week.

L.E. 232. — Administration of Law. Three hours credit. The court systems; principles of constitutional federal, state, and civil laws as they apply to and affect law enforcement. Mock investigations and procedures from incident to final court disposition. Punishment, treatment and prevention of criminality. Sociological analysis of probation, parole and prison administration. Three lecture hours each week.

L.E. 233. — Traffic Investigation. Three hours credit. A problems course in the investigation of traffic accidents, laws, and advanced investigation procedures; special emphasis to be placed on the handling of traffic accidents on crowded thoroughfares and expressways. Two lecture hours and four laboratory hours each week.

L.E. 234. — Juvenile Procedures. Three hours credit. The organization, functions and jurisdiction of juvenile agencies; the processing and detention of juveniles, case disposition; juvenile statutes and court procedures. Lab section of this course is to be

completed on-the-job working with juvenile officers. Two lecture hours and three laboratory hours each week.

L.E. 235. — Police Records and Identification. Three hours credit. A study of the organization and operations of different systems of records, including related complaint, arrest, identification, and administrative records. Three lecture hours each week.

QUALITY CONTROL

QC 230. — Basic Quality Control. Designed to introduce students to the concepts of quality control. Topics covered in the course include: natural variation, comparison of 100 percent inspection sampling, frequency distributions, computation of averages and standard deviations, management and organization of the quality control function and quality control group relationships with production, inspection, marketing, engineering, and customer.

QC 231. — Inspection Practices and Techniques. Covers the activities and responsibilities of an inspector and tester. The techniques will be chiefly oriented around electronics and mechanical products. Prerequisite: Basic Quality Control.

QC 232. — Statistical Quality Control Variables. Presents basic statistical techniques which have a wide range of industrial applications. Special emphasis will be placed upon grading of products. Prerequisite: Basic Quality Control.

QC 233. — Statistical Quality Control Attributes. Continuation of Quality Control 232. Stresses "go" and "no-go" type of control. Prerequisite: Statistical Quality Control Variables.

REAL ESTATE

RE 131. — Introduction to Real Estate. An orientation course designed to acquaint the student with the problems and the practices of modern real estate. Successful completion of this course qualifies a student for the examination for the Arkansas Real Estate License.

RE 132. — Advanced Real Estate. A continuation of Real Estate 131. Includes a detailed study of appraising, contracts, and legal implications. Successful completion of this course and Real Estate 131 qualifies a student for the examination for the Texas Real Estate License. Prerequisite: Real Estate 131.

SNAPSHOT

APPLICATION FOR ADMISSION

TEXARKANA COLLEGE

Texarkana, Texas

(RETURN TO THE REGISTRAR)

Name .....
Last First Middle (If married, maiden name)

Address .....
Street City County State Telephone No.

Social Security No..... Date of Birth .....

Place of Birth ..... Sex (Circle) M F
City State

Parent's Name and Address .....
Name Street City State
(Students 25 years of age or married not required to give parent's address)

Parent's Employment .....
Firm City State

High School Graduate: Yes.... No.... .....
State County High School

Principal High School Activities: (1) Band.... (2) Choir.... (3) Drama....
(4) Athletics.... (5) Service Organizations.....

Date of High School Graduation.....
Month Year

Date of First Enrollment in Texarkana College.....
Month Year

Check when you plan to enroll: (1) 1st summer term..... (2) 2nd summer term..... (3) Fall ..... (4) Spring.....

Classification: (1) Freshman 0-29 Hrs..... (2) Sophomore 30-64 Hrs.....
(3) Over 64 Hrs.....

How Admitted: (1) HS Grad..... (2) Individual approval..... (3) GED Test..... (4) Re-entry from prior admission..... (5) Transfer from accredited college..... (6) Conditional entrance.....

If Transfer Give Name of College.....Dates of attendance.....

Present age..... Major Field of Study.....

In which division are you enrolling? (1) Day..... (2) Night..... (3) Both.....

Religious Preference .....

Marital Status:
(1) Single..... (2) Married..... (3) Widowed..... (4) Divorced.....

Are you presently on academic (1) probation..... (2) suspension..... from any college or university?

(OVER)

Will you attend Texarkana College under the GI Benefit Act?.....

If Employed State:..... ....
Firm Address Tel. No.

Do you plan to complete the requirements for an Associate Degree?.....

Do you plan to earn a senior college degree?..... Are you interested only in terminal or special courses?.....

DO NOT WRITE BELOW ——— FOR OFFICE USE ONLY

Alpha Sort No. Prev. Hrs. Test Scores Rank Vet

Please list the names and addresses of three references:

Church .....

.....

Business .....

.....

Educational .....

.....

IMPORTANT INSTRUCTION: In addition to this completed form the following items must be filed in the Office of the Registrar, Texarkana College, Texarkana, Texas, before final acceptance and registration will be approved: (1) A complete high school transcript showing graduation date, or if a transfer student an official transcript of previous college work; (2) ACT or CEEB test scores; and (3) a completed health certificate.

I hereby affirm that all information supplied on this form is complete and accurate. It is understood that I will not be completely registered at Texarkana College until all credentials specified above are on file in the Registrar's Office.

Date..... Signed.....

OFFICE OF THE REGISTRAR

TEXARKANA COLLEGE

Texarkana, Texas

This form should be mailed to the above address not later than five days prior to registration. Full clearance for registration will not be granted until the following medical requirements are met:

1. Medical History
2. Physical Examination
3. Poliomyelitis Immunization Completed
4. Chest X-ray (duplicate copy of chest X-ray report to be included with this sheet)

Full Name .....

Single..... Married..... Divorced .....

Date of Birth..... Sex.....

Address .....

Name, Address of Nearest Relative.....

.....

Medical History: (To be filled out by student)

1. Serious illnesses — give diagnosis and date.....

   .....

2. Operations — give diagnosis and date .....

   .....

3. Do you have any allergies? If so, what?.....

   .....

4. Do you have any diseases at present?.....

   If so, what, and are you taking medications?.....

5. Have you had any severe injuries? If so, what?.....

   .....

6. Check any of the following conditions you have had:

   (a) Hay Fever.....
   (b) Asthma .....
   (c) Rheumatic Fever .....
   (d) Heart Murmur.....
   (e) Poliomyelitis .....
   (f) Infectious Mononucleosis .....
   (g) Hepatitis .....
   (h) Fainting Spells.....
   (i) Diabetes .....
   (j) Epilepsy .....
   (k) Tuberculosis .....
   (l) Arthritis .....
   (m) Kidney Disease .....
   (n) Menstrual Cramps .....

7. Name and address of personal physician.....

   .....

PHYSICAL EXAMINATION: (To be done by your family physician)

Weight..... Height..... Skin Abnormalities.....

Eyes (R).....(L)..... Corrected to (R).....(L).....Ears (R).....(L).....

Throat..... Nose..... Neck.....

Breasts (R)..... (L)..... Lungs.....

Heart..... Abdomen..... Hernia.....

Pulse Rate..... Blood Pressure..... Nodes.....

Bones and Joints .....

Any Reasons for Limitation of Physical Activity?.....

.....

IMMUNIZATION RECORD

Smallpox vaccination (Last Date)..... Poliomyelitis.....

Tetanus Toxoid (a) Initial Series .....

(b) Last Booster .....

Date, Place Taken, and Report of Chest X-Ray .....

.....

(Include a duplicate copy of chest X-ray report with this sheet)

Signed ....., M.D.

Address .....

Date .....