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1962-1963

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SOUTHWEST TEXAS STATE COLLEGE

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SOUTHWEST TEXAS STATE COLLEGE

TERM SCHEDULE

1962-63

First Semester ........................................... September 10-January 27
Second Semester .......................................... January 30-May 26
First Summer Half-Term .................................. June 3-July 13
Second Summer Half-Term ................................. July 16-August 24
Cadets enrolled in Air Force ROTC will have an opportunity to participate in familiarization flights.

AIR FORCE ROTC

BASIC AND ADVANCED PHASES

AIR FORCE ROTC OFFERS ADVANTAGES

The basic phase of instruction in Air Force ROTC at Southwest Texas State College is designed to provide a foundation for development of leadership ability and acquaint the cadet with the responsibilities and functions of the Air Force in the aerospace age. Enrollment in the basic phase, the first two years, is open to any male student who meets the requirements for enrollment in the college and has at least two years of residence study remaining toward completion of a degree.

Advanced Air Force ROTC, the second two years of instruction plus four weeks of summer training at the end of the junior year, builds upon the foundations laid in the basic phase by further developing upper classmen who are under Air Force contract. Only male students who meet the requirements and are selected for an Air Force contract may enroll in advanced Air Force ROTC.

The Air Force ROTC Flight Instruction Program provides 36 hours of flight instruction for each Air Force ROTC senior who is a prospective military pilot. Successful graduates of this program may also qualify for a Private Pilot's Certificate.

Uniforms, air science textbooks, and other Air Force ROTC training equipment are provided Air Force ROTC students without cost. Advanced students also receive an allowance of $27 a month.
COLLEGE CALENDAR, 1962-63

FALL SEMESTER

September 10, Monday, 10 a.m.: General Faculty Meeting.
September 10, Monday, 9 a.m.: Freshmen may enter dormitories.
September 10-13, Monday-Thursday: Freshmen Orientation and registration.
September 14-15, Friday-Saturday: Registration of other students.
September 17, Monday: Classes begin.
November 1-20: Dates for filing applications for degrees to be conferred January 27, 1963.
November 3: Homecoming.
November 12, Monday: Mid-semester grades due.
November 22-24, Thursday-Saturday: Thanksgiving holidays.
December 20, Thursday: Last day of classes before Christmas holidays.
January 14-19, Monday-Saturday: Dead Week.
January 25, Friday: Last final examination in the fall semester.
January 27, Sunday: Mid-year Convocation and Graduating Exercises.

SPRING SEMESTER

January 30-31, Wednesday-Thursday: Registration.
February 1, Friday: Classes begin.
February 2, Saturday: Registration of Saturday students.
February 25-March 9: Dates for filing applications for degrees to be conferred May 26, 1963.
March 27, Wednesday: Mid-semester grades due.
April 12-15, Friday-Monday: Easter holidays.
May 13-18, Monday-Saturday: Dead Week.
May 24, Friday: Last final examination in the spring semester.
May 26, Sunday: Baccalaureate Service, 11:00 a.m., and Graduating Exercises, 2:30 p.m.

SUMMER SESSION, 1963

FIRST TERM

June 3, Monday: Registration.
June 4, Tuesday: Classes begin.
June 11-17: Dates for filing application for degrees to be conferred August 24, 1963.
July 13, Saturday: First term closes.

SECOND TERM

July 16, Tuesday: Registration.
July 17, Wednesday: Classes begin.
August 23, Friday: Last final examination in the second term.
August 24, Saturday: Baccalaureate Service and Graduating Exercises, 7:30 p.m. Second term closes.
DIRECTIONS TO STUDENTS

1. Information and directions on any matter of detail about the college should be sought at the Registrar's office.

2. To avoid serious confusion, and possible loss of credits, students are urged to write their full names without variations on all cards and blanks of the college.

3. A student may not change his rooming or boarding place without consulting the appropriate Director of Housing.

4. Assemblies of students will be held periodically on special call.

5. If a student contemplates withdrawing from college, he should advise with the proper dean. If a student leaves without withdrawing in the regular way, he may expect "F's" in all courses.

6. All college property in possession of a student must be returned and all arrearages to the college including past due indebtedness to loan funds satisfactorily adjusted before the student is eligible for regular withdrawal, for readmission, for a transcript of credit, for certification, or for graduation. Moreover, continued failure to adjust such arrearage may make it necessary to deny a student the privilege of attending classes.

7. All breakage fees and fines must be paid before grades are released.

8. Students should watch bulletin boards for important notices.

9. Hazing is prohibited by law in state educational institutions. The law provides that: "Any student of any state educational institution of Texas who commits the offense of hazing shall be fined not less than $25 nor more than $250 or shall be confined not less than ten days nor more than three months, or both."

The Library—where students spend many hours.
FEES AND EXPENSES

Estimated expenses for students attending Southwest Texas State College, exclusive of such variable items as clothing, etc., are tabulated below.

REGISTRATION FEES AND DEPOSITS

General Property Deposit. Each student is required to make a General Property Deposit of $10.00 which must remain with the college through his career here except as noted in "A" below. All charges for property losses or damages or breakages or violations of rules of the college must be settled promptly. However, any unpaid current charges will be deducted from the deposit before a refund is made.

A. Refund of General Property Deposit. The General Property Deposit less charges will be returned to the student at the end of his career as a student provided, however, that any General Property Deposit which remains without call for refund for a period of four years from the date of last attendance at this college shall be forfeited and the deposit become a part of and operative to the permanent use and purpose of the College Student Deposit Fund.

REQUIRED REGISTRATION FEES FOR EACH SEMESTER

<table>
<thead>
<tr>
<th>Service</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student Service Fee</td>
<td>$25.00</td>
</tr>
<tr>
<td>Tuition (For resident of Texas)</td>
<td>50.00</td>
</tr>
<tr>
<td>Building Use Fee</td>
<td>10.00</td>
</tr>
</tbody>
</table>

Estimated cost of Textbooks and Supplies $40.00 to $50.00

Tuition Fee for Non-Residents: Pursuant to provisions of House Bill 265, enacted by the 55th Legislature of Texas, tuition fees for students who are not residents of Texas have been established as follows:

1. For each semester $200.00.
2. For a summer term of six (6) weeks the fee shall be $100.00 or $200.00 for the twelve (12) weeks session.

The college reserves the right to change fees in keeping with the acts of the Texas State Legislature.

Payment of Fees. All fees and deposits are payable at the time of registration, and a student is not registered until his fees are paid. Payment may be made in check or money order payable to Southwest Texas State College. If checks or drafts are returned unpaid for any reason other than the admitted error of the bank, the student must pay in cash immediately. Students whose checks have been dishonored may be required to pay in cash thereafter.
EXPENSES

The payment of these fees entitles the student to admission to classes in accordance with the provisions of this catalog, admission to auditorium and athletic attractions, subscription to the “College Star,” use of the Student Union facilities, health services, Sewell Park facilities, and partial purchase of the “Pedagog.” These fees also help provide funds for the Student Senate, Band, A Cappella Choir, Dramatics, Debate, and other student activities.

Auditing Fee: Where auditing of courses is permitted, a tuition fee of $5.00 for each three semester hours or fraction thereof will be charged. All other fees will be the same as if the courses were taken for credit.

Extension and Correspondence Instruction: Pursuant to the action taken by the Board of Regents, the fee for extension and correspondence instruction is $10.00 per semester hour, payable in advance. There is an examination fee of $2.00 for each correspondence course. The audit fee for Extension Courses is $5.00 per semester hour.

Fee for Late Registration: A late registration fee of $3.00 will be charged all undergraduate students who register after the first class day of any semester or of either term of a summer session, provided that the Registrar may waive such fee if the late registration was dictated by circumstances deemed by him to be beyond the student's control.

Fee for Schedule Changes. A fee of $1.00 will be charged for each change in the schedule of an undergraduate student after that schedule has been filed, except when such change is dictated by circumstances deemed by the Registrar to be beyond the student's control.

FEES FOR SPECIAL COURSES

(In addition to registration fees)

Piano, organ, voice, band or orchestral instruments:
  Two (one-half hour) lessons per week $35.00 per semester
  One (one-half hour) lesson per week 18.00 per semester
  Music Practice Fee .......................... 2.00 per semester
  For Non-Music major or minor, applied music fee (class lessons) ........... 8.00 per semester

Scattered Practice Teaching, Ed. 281/s or Ed. 291/s (payable in full upon initial Registration) $50.00 per long session

Internship Practicum, Ed. 393/s (payable in full upon initial Registration) $50.00 per long session

Laboratory Fees:
  Air Science ..................................... $7.00 per long session
  Agriculture 73 and 111 .......................... 2.00 each per semester
  Art 27, 59, 63, 66, 112 .......................... 2.00 each per semester
     123, 127, 129, 163, 223 ..................... 3.00 each per semester
  Biology (All courses except 101) ............. 2.00 each per semester
  Chemistry (All courses—not incl. breakage) 2.00 each per semester
  Education 213, 251, 252 ....................... 3.00 each per semester
EXPENSES

Education 229, 273, 321, 322 .......................... 2.00 each per semester
General Science 111-112 .............................. 2.00 each per semester
Geography 129 ........................................ 6.00 each per semester
Home Economics 21, 63, 109, 123, 133 .......... 2.00 each per semester
Industrial Arts 17, 21, 33, 53, 65, 75, 79, 87, 90, 113, 118,
119, 121, 125, 133, 159, 165, 175 ............... 6.00 each per semester
Physical Education Activities for Women. All
courses numbered below 30 except 2b,
and 109 and 110 ...................................... 2.00 each per semester
Certificate (payable when applying for cert.) 1.00—3.00
Diploma Fee (payable when applying for degree) 5.00

The Air Force R.O.T.C. fee of $7.00 payable at the time of the first
registration for each long session is to help cover the cost of issuing,
receiving, and record keeping of uniforms and books.

Refund of Fees. A student who withdraws officially, and submits a
withdrawal card and registration receipt to the business office, during the
first two weeks after the regular registration date is entitled to a refund
of 80 per cent of his tuition and fees; during the third week, 60 per cent;
during the fourth week, 40 per cent; during the fifth week, 20 per cent;
and thereafter, no refund. No refunds will be made where the amount is
less than $1.00. An immediate refund will not be made at the time a stu-
dent withdraws during a semester, but upon request a check covering all
refunds due will be mailed within approximately 30 days to the address
left in the business office.

No refund of tuition and fees will be made in cases where students
are requested to withdraw.

Should a student reduce his semester hours registration sufficiently
to be entitled to a refund, the same time and percentage schedule will apply.

In the summer session any student withdrawing officially, and submit-
ting a withdrawal card and registration receipt to the business office,
during the first week after registration day will receive a refund of 65%
of his tuition and fees; during the second week, 30%, and thereafter, no
refund.

The College Lair. The College store, known as the Lair, is a service
center on the campus for students and faculty where textbooks and school
supplies are sold. A coffee bar and soda fountain make this a popular
meeting place. All prices are maintained at the lowest level consistent
with business practice.

Suggested Methods for the Payment of Fees. If a student expects to
pay his fees by check, money order or any form other than cash, the
checks should be payable to Southwest Texas State College. All students
registering at this College for the first time, and any other students who
do not have General Property Deposits on file with the College, should
have one check to cover this $10.00 Deposit. A second check should be in an
amount sufficient to cover the total of the Student Service Fees, Building
Use Fees, Tuition and Laboratory Fees. There should be a third check for
the room and board payment. All students should have a fourth check
sufficiently large to cover the cost of books and supplies.
### ROOM AND BOARD

<table>
<thead>
<tr>
<th>Dormitories for Women:</th>
<th>Per installment (4 per semester)</th>
<th>Per Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Amount</td>
<td>State Sales Tax on Meals</td>
</tr>
<tr>
<td>Beretta Hall (Freshman)</td>
<td>$68.12</td>
<td>$.88</td>
</tr>
<tr>
<td>Commons Hall (Upperclass)</td>
<td>68.12</td>
<td>.88</td>
</tr>
<tr>
<td>Brogdon Hall (Freshman)</td>
<td>68.12</td>
<td>.88</td>
</tr>
<tr>
<td>Laurel Hall* (Upperclass)</td>
<td>75.12</td>
<td>.88</td>
</tr>
<tr>
<td>Retama Hall* (Freshman)</td>
<td>75.12</td>
<td>.88</td>
</tr>
<tr>
<td>Sayers Hall (Upperclass)**</td>
<td>68.12</td>
<td>.88</td>
</tr>
<tr>
<td>New Residence Hall* (Upperclass)</td>
<td>75.12</td>
<td>.88</td>
</tr>
<tr>
<td>Cooperative Houses for Women: (All Classifications)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Burleson Hall</td>
<td>52.43</td>
<td>.57</td>
</tr>
<tr>
<td>Hornsby</td>
<td>52.43</td>
<td>.57</td>
</tr>
<tr>
<td>Dormitories for Men:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Harris Hall (Freshman)</td>
<td>68.12</td>
<td>.88</td>
</tr>
<tr>
<td>Harris Hall Annex* (Freshman)</td>
<td>75.12</td>
<td>.88</td>
</tr>
<tr>
<td>Speck Hall (Upperclass)</td>
<td>68.12</td>
<td>.88</td>
</tr>
<tr>
<td>Smith Hall* (Upperclass)</td>
<td>75.12</td>
<td>.88</td>
</tr>
<tr>
<td>Arnold Hall* (Upperclass)</td>
<td>75.12</td>
<td>.88</td>
</tr>
<tr>
<td>Thomas Hall* (Freshman)</td>
<td>75.12</td>
<td>.88</td>
</tr>
</tbody>
</table>

All room and board prices are computed on the basis of multiple occupancy or rooms. If a student requests and is permitted to have a private room, or two students are permitted to occupy a three-student capacity room, the room rental charges will be increased $15.00 per installment for air conditioned rooms and $12.00 per installment for other rooms.

Room and board are computed on the semester basis and may be paid by the semester or in four equal installments, as follows: For the fall semester, the first payment is due and payable on or before the date of registration, and the other three payments are due and payable on or before:

- October 10
- November 10
- December 10

*Air Conditioned

**Freshmen may be assigned after other freshman halls are filled.
EXPENSES

For the spring semester the first payment is due and payable on or before the day of registration and the other three payments are due and payable on or before:

February 20
March 20
April 20

Students not residing in College dormitories may secure board at the College Dining Hall at the rate of $180.00 per semester, or $45.00 per installment, including State Sales Tax, in accordance with the schedule indicated above, or they may purchase single meals from the college cafeteria.

Because of the changing food prices, the College reserves the right to increase or decrease the prices listed in this catalog.

The evening meal is not served in the College cafeteria on Sundays.

All residence halls will be closed during the Thanksgiving, Christmas and Easter holidays, as well as between semesters provided that the College may choose to keep the residence halls open in case the intermission is too short to justify closing.

Note: Students who receive special permission from the Personnel Office to arrive at the College prior to the time they are expected to be here may secure their rooms at the rate of $1.50 per day and may purchase their food in the College cafeteria or elsewhere.

Refunds: Any student who withdraws officially from the College or who is granted permission to live off the campus may receive a refund of 90% of the unexpired portion of the room and board payment for the current installment period, provided that no refunds shall be made in cases where students withdraw from the College or are premitted to live off the campus within five days of the end of the current installment period. The refund will be computed from the date the approved withdrawal card, the meal ticket, and the student's room and board receipt are presented in the Business Office. All payments made for room and board beyond the current installment period may be refunded 100% upon official withdrawal and request.

Room and board charges will continue until the student has officially moved from the College dormitory and cleared with the Student Personnel Office and the Business Office. Any arrearages must be settled in accordance with this refund policy.

Any refund due will be mailed within approximately 30 days to the address left with the Business Office.

Making Application

Applications for dormitory reservations should be addressed to the Division of Personnel. A room deposit of $20.00 is required. It is requested that applications be made far enough in advance of the semester to insure adequate living accommodations.
Apartments for Married Students: The following facilities are available at the prices indicated to students who carry a minimum of twelve semester hours of courses per semester, or four semester hours of courses per summer term. Students who are not enrolled for the minimum number of semester hours of courses will be required to pay slightly higher monthly rates.

RIVERSIDE HOMES

<table>
<thead>
<tr>
<th></th>
<th>Monthly Rates</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Unfurnished</td>
</tr>
<tr>
<td>1 bedroom apartments</td>
<td>$22.50</td>
</tr>
<tr>
<td>2 bedroom apartments</td>
<td>27.50</td>
</tr>
<tr>
<td>3 bedroom apartments</td>
<td>32.50</td>
</tr>
</tbody>
</table>

RIVERSIDE APARTMENTS: (Unfurnished except for refrigerator and range.) Monthly rates $50.00,

The monthly rates for Riverside Homes and Riverside Apartments include the furnishing of usual utilities. If air conditioners or window fans are installed by students, with consent of the Manager, additional monthly charges for utilities will be required.

STATE BOARD OF TEACHERS COLLEGE REGENTS

MEMBERS

1961-62

C. S. Ramsey, President .......................................................... San Augustine, Texas
Newton Gresham, Vice-President ............................................... Houston, Texas
William V. Brown ................................................................. Texarkana, Texas
Richard F. Stovall ............................................................... Floydada, Texas
Mrs. E. D. Lockey ................................................................. Troup, Texas
Ed Gossett ..................................................................................... Dallas, Texas
Emil C. Rassman ...................................................................... Midland, Texas
J. C. Kellam .................................................................................. Austin, Texas
Frank Ed. White (Deceased) ......................................................... Cleveland, Texas
John Hovenga, Secretary ............................................................ Austin, Texas
Officers of Administration

GENERAL OFFICERS

1961-1962

John Garland Flowers, Ph.D., President.
Joe H. Wilson, Ph.D., Dean of the College.
Leland E. Derrick, Ph.D., Dean of Graduate Studies.
Clem C. Jones, M.A., Registrar.
Patrick Henry Norwood, Ph.D., Director of Public Service.
Martin O. Juel, Ph.D., Dean of Students.
J. Lloyd Rogers, Ph.D., Director of Teacher Education.
Ernest Bryan Jackson, M.A., Librarian.

ADMINISTRATIVE ASSISTANTS

Wilton Leland Wilson, M.S., Assistant Registrar.
Floyd Leonard Martine, M.Ed., Associate Dean of Students and Director of Men's Housing.
Marjorie Ouitah Stewart, M.Ed., Associate Dean of Students and Director of Women's Housing.
Sarah Luverne Walton, M.A., Associate Dean of Students and Director of Student Life.
Charles W. Scheib, M.D., College Physician.
William L. Moore, M.D., College Physician.
Jesse Adams, M.Ed., Assistant Business Manager.
John William Hall, Director of Maintenance.
James A. Thorpe, Director of Food Service.
Rayburn H. Hornbarger, Director of Custodial Services.
David Vance Winn, B.B.A., Assistant for Student Loans and Information.
Spencer Guimarin, B.S. in Ed., M.A. Archivist and Assistant Director of Audio-Visual Aids.
William T. Callaway, M. Ed., Purchaser and Property Manager.
W. C. Patton, B.A., Manager of The Lair.
ADMINISTRATION

LIBRARY STAFF

Joe Bill Lee, B.A., M.L.S. ................................................... Assistant Head Librarian
Mary Jo McDonald, B.L.S. .................................................... Loan Librarian
Florence Harper, M.A. .......................................................... Chief Catalog Librarian
Isabelle Meyer, B.S. .............................................................. Librarian I
Selma Ottmers, B.A., M.L.S. .................................................. Chief Reference Librarian
Betty Phillips, B.A. ............................................................... Librarian I
Flora Baker, B.A., M.A. .......................................................... Librarian I
Tomadell Weatherford .......................................................... Secretary
Georgia Townsend .............................................................. Clerk-Typist
Judy Bounds ........................................................................ Clerk

OTHER ASSISTANTS

Clara E. Taylor ................................................................. Secretary to the President
Ella L. Acker ....................................................................... Secretary to the Dean of the College
Hattie Roberts, M.A. ............................................................. Secretary to the Dean of Graduate Studies
Mary Walker ......................................................................... Secretary to the Registrar
Nora Gaines ........................................................................ Secretary to the Director of Student Personnel
Blanche Olds Nix ................................................................. Secretary to the Director of Public Service
Jane Tally, B.S. .................................................................... Secretary to the Business Manager
Marilyn Carter ...................................................................... Secretary to the Publication Office
Grace Lowman ...................................................................... Secretary, Personnel Office
Helen Meene ........................................................................ Secretary to Director of Maintenance
Delight M. Tassin, M.A. ......................................................... Auditor, Business Office
Eileen Lailer ................................................................. Clerk-Typist, Purchaser & Property Manager’s Office
Edna Stripling ..................................................................... Clerk-Typist, Business Office
Louise Northcutt ................................................................. Senior Clerk-Typist, Business Office
Harry E. Philo ..................................................................... Accountant, Business Office
Edith Gunn ........................................................................ Cashier, Business Office
A. B. French ................................................................. Manager of Riverside Homes and Riverside Apartments
Albert Rex Reddell ............................................................ Coordinator of Veteran Affairs
Ruth Alexander, B.B.A. ........................................................ Clerk, Registrar’s Office
Retta Schlameus ................................................................. Clerk, Registrar’s Office
Mallory Nelson ................................................................. Clerk, Registrar’s Office
Janelle Sherry .................................................................... Clerk, Dean’s Office
Hertha Kuehn Bowlin, R.N. ................................................ College Nurse
ADMINISTRATION

Head Residents of Women's Halls:
Lurline Knight ............................................ Head Resident of Beretta Hall
Zelma B. Dance ........................................... Head Resident of Brogdon Hall
Inez Darby ................................................ Head Resident of Commons Hall
Mary Warren ............................................. Head Resident of Laurel Hall
Fern Kiefer .............................................. Head Resident of Retama Hall
Millie Henderson ....................................... Head Resident of Burleson Hall
Hildred Rheudasil ....................................... Head Resident of Hornsby Hall
Annie Lee Collins ....................................... Head Resident of Sayers Hall
Edna May Knopp ........................................ Head Resident of Temporary Houses

Head Residents of Men's Halls
E. A. Vincent ............................................ Head Resident of Harris Hall
H. B. Ryon ............................................... Head Resident of Speck Hall
J. M. Johnson ........................................ Head Resident, Smith, Arnold, Thomas Halls
Wendell Hethcock ...................................... Head Resident of Riverside Hall
Albert F. Reeh ......................................... Head Resident of Athletic Hall

Others:
Johnnie Oliver ........................................ P.B.X. Operator
Annice Allen ........................................... P.B.X. Operator
Virgie Key ............................................. College Postmaster

INSTRUCTIONAL CHAIRMEN

Major Edgar G. Smith ........................................ Air Force ROTC
Tollie Raymond Buie, Ed. D. ................................ Agriculture
J. Edward Frank, M.A. ..................................... Art
William Elmore Norris, Jr., Ph.D. ...................... Biology
Alvin W. Musgrave, Ed. D. ................................ Business Administration
Archie Oliver Parks, Ph.D. ................................ Chemistry
J. Lloyd Rogers Ph.D. .................................... Education
Ralph H. Houston, Ph.D. .................................. English
Azalete Little, Ph.D. ..................................... Home Economics
Victor L. Bowers, Ph.D. .................................. Industrial Arts
Bruce W. Roche, M.J. (Acting) ......................... Journalism
Don Cude, M.A. .......................................... Mathematics and Physics
Ira R. Bowles M.A. ....................................... Music
Martin O. Juel, Ph.D. .................................... Health and Physical Education
Milton Jowers, M.A. ................................ Director of Physical Education for Men
Jean Amelia Smith, P.E.D. ............................ Director of Physical Education for Women
James Taylor, Ph.D. .................................... Social Science
Elton Abernathy, Ph.D. ................................ Speech
J. R. Buckner, M.A. ....................................... Spanish, French, and German
FACULTY

The Faculty

1961-62

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FACULTY

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Roland McFall, History, The College High School.

  B.S. in H.E., The University of Texas.

  B.A., Southwest Texas State College; M. Ed., The University of Texas.

  B.A., M.A., Southwest Texas State College.

A. S. Mahan, Business Manager of the College Laboratory Schools.
  B.B.A., Southwest Texas State College.


Martha Jane Maludin, Librarian, The College Elementary Schools.
  B.S., Southwest Texas State College.

  B.S., M.A., Southwest Texas State College.

  B.S., M.A., Southwest Texas State College.


  B.S. in Ed., Southwest Texas State College.

Frank E. Mooney, Industrial Arts, The College Junior High School.

  B.A., M.A., Southwest Texas State College.

Bernice Musgrave, The College Campus Elementary School.
  B.A., North Texas State College; M.A., Southwest Texas State College.

Petra Nicola, The College Southside Elementary School.
  B.A., M.A., Southwest Texas State College.

Beverly Owen, Homemaking, The College High School.
  B.S. in H.E., Southwest Texas State College.

Pearl Pettit, Mathematics, The College Junior High School.
  B.A., Southwest Texas State College.

Martha Philo, Special Education, The College High School.
  B.A., Southwest Texas State College.
B.S., M.A., Southwest Texas State College.
B.S., Southwest Texas State College.
Inez Ramsay, The College Campus Elementary School.
Lillian Randolph, Art, The College High School.
B.F.A., The University of Texas.
Joyce Barnett Reasoner, The College Campus Elementary School.
B.S., M.A., Southwest Texas State College.
Ethel Newport Reed, Mathematics, The College Junior High School.
B.S., Southwest Texas State College; M.A., Colorado State College of Education.
B.S. in Ed., Southwest Texas State College.
B.S., M. Ed., Southwest Texas State College.
Leroy Schneider, Science, The College High School.
B.S., M. Ed., Southwest Texas State College.
B.S. in Ed., Southwest Texas State College.
Bernice Scrutchin, The College Campus Elementary School.
B.S., M. Ed., Southwest Texas State College.
Alberta Smith, English, The College High School.
B.A., Southwest Texas State College.
Oscar Smith, English, The College Junior High School.
B.A., Southwest Texas State College; M. Ed., Oklahoma University.
B.S., M.A., Southwest Texas State College.
B.S., M.A., Southwest Texas State College.
Lucile Tramel, The College Southside Elementary School.
B.S., M.A., Southwest Texas State College.
Dorothy N. Turner, The College Campus Elementary School.
Catherine Wiegand, Science, The College Junior High School.
B.S., M.A., Southwest Texas State College.
B.S., M. Ed., Southwest Texas State College.
B.A., M.A., Southwest Texas State College.
Mina Williams, The College Campus Elementary School.
   B.A., The University of Texas; M.A., Southwest Texas State College.
Patricia S. Williams, Special Education, The College William B. Travis
   Elementary School.
   B.S. in Ed., Southwest Texas State College.
   B.S., M.A., Sam Houston State College.
   B.S., M.A., Southwest Texas State College.
   B.S., Southwest Texas State College; M.S., Agricultural and Mechanical
   College of Texas.
   B.S., Southwest Texas State College.
   B.S. in Ed., Southwest Texas State College.
Thomas Yoakum, History and Civics, The College High School.
   B.S., M.A., Southwest Texas State College.
Elizabeth Young, Language Arts, The College Junior High School.
   B.A., East Texas State College.
   B.A., M.A., Southwest Texas State College.
   B.A., Howard Payne College; M. Ed., Southwest Texas State College.
THE COLLEGE

HISTORY

The Southwest Texas State Normal School, established by the Twenty-Sixth Legislature in 1899, opened its first regular session in the fall of 1903. Mr. T. G. Harris, formerly superintendent of Austin schools, was the first president, having been elected by the State Board of Education. He served until 1911, when he was succeeded by Dr. C. E. Evans, school administrator and educational campaign worker.

Dr. Evans, after thirty-one years of continuous service as president, retired as president-emeritus September 1, 1942, when he was succeeded by Dr. J. G. Flowers, president of the State Teachers College, Lock Haven, Pennsylvania, former student of the Southwest Texas State Teachers College, graduate of the East Texas State Teachers College, and sometime director of teacher training in that institution.

A local board of three trustees appointed by and under the direction of the State Board of Education was originally responsible for the management of the school. The board was replaced in 1911 by the Board of Normal Regents which was created by the Thirty-Second Legislature and which was given complete control over the normal schools of Texas. Board personnel and length of tenure were standardized when the Forty-First Legislature in 1929 enacted a law setting the number of regents at nine and providing for the appointment of three members each biennial period.

The Thirty-Eighth Legislature in 1923 changed the name of the school from the Southwest Texas State Normal School to the Southwest Texas State Teachers College.

The Fifty-Sixth Legislature in 1959 in turn changed the name to Southwest Texas State College, effective September 1, 1959.

ACCREDITATION

Credits earned at Southwest Texas State College are accepted by other institutions of higher learning throughout the nation. The College is fully accredited by the Association of Texas Colleges and by the Southern Association of Colleges and Secondary Schools. The teacher education program is fully accredited by the National Association for Accreditation of Teacher Education for the preparation of elementary and secondary teachers at the undergraduate level and provisionally accredited for the preparation of teachers, counselors, and principals at the master's degree level. The college is also a member of the National Commission on Accrediting, the American Council on Education, the Association of State Colleges and Universities, and the American Association of University Women.
LOCATION

The Southwest Texas State College is strategically located for service to the great Southwest and Central Texas. Built on College Heights in San Marcos, picturesque city of fourteen thousand, the college is but fifty miles from San Antonio, the metropolis of Southwest Texas, and thirty miles south of Austin, the state capital.

San Marcos is situated on the main line of the Missouri, Kansas & Texas and Missouri-Pacific railways and intersected by strategic state and federal highways, making the college conveniently accessible to a large service area. Over two and a half million Texas citizens reside within one hundred and fifty miles of the school.

Recognized as an outstanding educational center, San Marcos has an excellent system of public schools and a well-organized denominational school—the San Marcos Academy—in addition to the college. The moral and religious atmosphere of the city is wholesome.

COLLEGE PLANT

Campus buildings and equipment of the college are valued at more than twelve million dollars. Of this amount, approximately nine million are in buildings; approximately one and one-fourth million in equipment, and approximately $750,000.00, in campus and lands.

In addition to the fifty acres comprising the campus property, the college has title of 443 acres of farm and ranch land and also to Sewell Park, a recreation park which measures several acres along the banks of the San Marcos River, and to a 125 acre campsite, located on the Blanco River in the Wimberley hills.

There are approximately one hundred buildings on the college property. These may be classified into the following groups:

(1) Instructional Buildings

Main Building
Science Building
Language-Arts Building
Industrial Arts Buildings
Education Building
Allie Evans Practice Cottage
Evans Auditorium-Laboratory School

Library Building
Men's Gymnasium
Lula Hines (Women's)
Gymnasium
Fine Arts Building
Student Union Building
Agriculture Farm Shop Building
Air Science Building

(2) Residence Halls and Apartments

Sixty-one different buildings on the campus provide residence facilities for men and women students. These facilities include residence halls for women, cooperative residences for women, residence halls for men, and approximately 200 furnished and unfurnished apartments for married students.
(3) Miscellaneous Buildings

In addition to the institutional buildings, dormitories, and apartments listed, the college plant includes thirty buildings inclusive of the President's home, the Infirmary, power plant, the Athletic Field House, the Bath House, and the Commons.

THE LIBRARY

The college library is an educational agency with the primary objective of supporting the institution's teaching and research programs. Through the cooperation of faculty and library staff, a wide selection of authoritative books and periodicals is provided. As a partial depository, many useful government documents are available. The library contains more than 111,000 books and 650 periodicals, most of which are available on open shelves.

Two special collections add to the research value of the library: (1) The Daughters of the American Revolution Library contains more than 3,000 early textbooks, (2) The Elliott Collection contains more than 500 rare books and pamphlets on Texas and Western history, and also the Dienst and Harwood manuscript collections.

The first floor and mezzanine of the air-conditioned Library Building contain a foyer and four large reading rooms which will accommodate 550 readers. Carrels, typing rooms, and equipment are provided for the use of students and faculty.

THE MUSEUM OF ART AND HISTORY

The College Museum assumes an important role in the educational program of the college. Materials are classified and arranged in meaningful displays which are of great value to grade school, high school and college students who are interested in Texas history, Texana in general, Texas natural history, and Texas costumes and household articles of the pioneer period.

Each year the Museum brings in a number of exhibits which have proved to be of considerable interest to local students of all ages. Art and dress that reflect the cultures of different countries, a conchological display, and a lapidary collection were among the recent exhibits that attracted a large number of visitors.

Occupying the entire second floor of the Language Arts Building, the Museum has arranged its large resources in a way that will best serve the need of the college and the local schools.

HUNTINGTON STATUE

The college is the recipient of the "Fighting Stallions" by Anna Hyat-Huntington, a magnificent piece of statuary by the famous sculptor. The statue was placed in February, 1952, and appropriate landscaping surrounding the statue has been completed. The generosity of
the Huntington family and the gift of many friends who were responsible for the erection of the base and surroundings made the college year 1951 memorable since it was in that year the Golden Jubilee of the college was celebrated.

LABORATORY SCHOOL

The Public Schools of San Marcos are utilized as the Laboratory School of the college, according to an arrangement entered into in 1933 by formal contract between the San Marcos City Schools and the college. Directed teaching at the elementary level is carried on in the four city elementary schools: The Campus Elementary School, which has an enrollment of approximately 388 pupils and 17 teachers and is housed in the Auditorium-Laboratory School Building; The Southside Elementary School, which has an enrollment of approximately 218 pupils and 7 teachers; James Bowie Elementary School, which has an enrollment of 562 pupils and 22 teachers; William B. Travis Elementary School which has an enrollment of 493 pupils and 18 teachers. Directed teaching at the junior high school level is carried on in the Junior High School, housed in the City Junior High School Building with an enrollment of 477 pupils and 20 teachers. At the senior high school level, directed teaching is carried on in the City High School, with approximately 723 pupils and 38 teachers.

In the teacher training program of the college, the supervisory staff consists of the Director of Teacher Training, a Director of Student Teaching on the elementary and on the secondary level, the City Superintendent, the Principal of the High School, the Principal of the Junior High School, the principals of the elementary schools, and the public school teachers. Some responsibility for the supervision of the work of student teachers is assumed by the members of the staffs of the various college departments. The student teachers are under the immediate direction of the classroom teachers to whom they are assigned by the Director of Student Teaching.

In addition to the cooperative arrangement between the public schools in San Marcos and the college, agreements have also been reached with various neighboring school systems whereby student teaching is carried on in those systems. Student teachers who are assigned to the neighboring school systems spend 9 weeks or a half semester in residence in the communities to which they are assigned and work under the joint supervision of the staff of the school to which they are assigned and supervisors from the college, who visit them periodically.

Student teachers preparing for certification in one of the various areas of special education may obtain student teaching and/or the internship-practicum in the medical setting of Texas Rehabilitation Foundation at nearby Gonzales Warm Springs. Such experiences will be under the supervision of the foundation's medical staff and this college's coordinator of special education.
THE EX-STUDENTS ASSOCIATION

This organization is known as The Ex-Students Association of Southwest Texas State College. All persons who have been enrolled in any of the regular college courses and who have been honorably dismissed or graduated are automatically members. To date there are more than 82,000 ex-students. Of these, 10,343 have been awarded the bachelor's degree and 2,514 the master's degree.

The association seeks to promote fellowship among graduates and former students; to advance their professional interest; and to keep them in sympathetic touch with the interests, needs, and activities of the school. The association also endeavors to keep an accurate catalog of the names, addresses, and professional status of its members.

Plans have been projected for the formation of active county or branch organizations of former students at centers accessible to them within the service territory of the college.

The administration of the association is by elected officers, the Association Council comprised of representatives from every section of Texas and every class that has graduated from the school, and the Executive Board of the council. Association officials hold business meetings in the spring and fall of each year.

The association maintains a small loan fund which it makes available to students in small short-term loans, and has representation in the administering of the $25,000 fund provided by the late Will G. Hogg known as "The Ex-Students Memorial Loan Fund."

The Ex-Students Association has adopted a long-range Greater College Development Program through which it envisions a series of specific projects to improve the school. Notable contributions have been made to date toward the installation of a memorial organ, equipping the Student Union Building, enlarging the Evans Field Stadium and furnishing a small chapel to be constructed on the campus and establishing the Evans Memorial Student Loan Fund.

All former students contributing to the association's campaign for funds are known as "Contributing Members."

Elected to serve as officers of the association during the year 1961-62 were:

President ................................................................. Yancy P. Yarbrough
First vice-president .................................................. Sidney Hughes
Second vice-president ............................................. Carlos Baker
Executive secretary (appointed) .............................. Pat H. Norwood
Associate secretary ............................................... Vance Winn
GENERAL PUBLIC SERVICE

The college is often called upon for certain extra services. Arrangements for such services and assistance may be made through the Department of Public Service. There are several activities which are often requested.

Judges. County fairs and exhibits ask for the services of members of the agriculture, art, education, home economics, industrial arts, speech, and other departments.

Interscholastic league officials in town, district, and regional meets find great help here. Usually this college furnishes about 350 judges annually for this work alone.

Referees for athletic games, especially those connected with the interscholastic league, are in demand.

Consultants. Specialists on the faculty are available for assistance and guidance to those having need of their services. The college has much to offer in the field of educational testing, administration, in the sciences, physical fitness programs, home economics, music, and in many other fields.

Speakers. A list of available speakers with suggested topics may be had from the Public Service office. The speakers are prepared to deliver baccalaureate and commencement addresses and to speak before study clubs, parent-teacher groups and divisional gatherings of the Texas State Teachers Association and at father and son, mother and daughter, and Chamber of Commerce banquets. Groups or organizations wishing to use the services of such faculty members are invited to address their requests for them to the Public Service office.

Entertainers. Many talented students on the campus, as well as faculty members, are available for assistance in presenting programs. Small groups of such entertainers are especially suited for use at luncheons and banquets of organizations such as Kiwanis, Rotary, Lions and business men’s clubs.

Costs. The college makes no charge for these services. It is assumed that minimum expenses will be furnished by those using the services of these faculty members and students as judges, speakers, and entertainers. Where special consultants are used, a reasonable fee is charged.

College News Service. A very important part of the Public Service Department is the division of College News Service. Its chief function is to interpret the college and its program to the public. This it endeavors to do through the various college publications, such as The College Star, through special bulletins which are released from time to time, and through occasional broadcasts.

Regular news releases are made to the daily papers in this part of Texas, covering all phases of college activities involving faculty and students. Weekly releases to town and country papers carry items of local interest about the activities of students while here in college.
Journalism students are used as much as possible in this work and gain valuable experience through actually applying what they study about in books.

PLACEMENT BUREAU

Scope. The principal activity of the Placement Bureau is to assist graduates and former students to secure good teaching positions, and to assist superintendents to secure good teachers. This office is so administered that every prospective teacher has opportunities for employment in the public schools throughout Texas. Graduates are found teaching in every section of the State.

Also, this office has good contacts with business and industrial organizations which employ secretaries, chemists, counselors, recreation directors, dietitians, and other personnel. Each year many of the graduates of this college are placed in responsible non-teaching positions.

The office is working closely with the branch offices of the United States Employment Service. Complete records of those enrolled with the office will be available to prospective employers seeking employees through the government’s employment service. Ex-service men, as well as other former students are invited to avail themselves of this service, which is without cost to them.

Policy. It is the policy of this bureau to recommend candidates on the basis of their training, character, ability, and experience. Every possible effort is put forth to obtain a complete and accurate picture of the student’s qualifications. The credentials of all who have the requirements for the vacancy are available to the prospective employer. It is then left to the employer to choose the employee he feels is best qualified for the vacancy. This is a service bureau both to the employer and to the employee.

Who May Enroll. Degree graduates are urged to enroll with the placement bureau. Undergraduates, who feel that they must drop out of school and work, may list their names with the bureau. For several years graduates have had practically one hundred per cent placement and many undergraduates have received good positions.

Costs. No fee is charged for the service of this bureau either to the student or to the employer.

Vacancies. Each spring all superintendents in this area are asked to send a list of their vacancies to this college. Other employers are likewise asked for their needs. In normal years three times as many calls are received as there are candidates seeking positions. In 1961 there were more than ten times as many calls for employees as there were candidates available.

Follow-Up. Each spring the bureau sends a follow-up questionnaire to the administrator relative to each teacher he employed through this bureau for that year. Each teacher is rated in terms of classroom efficiency, knowledge of subject matter, community worth, general appearance, cooper-
atation with school officials, and extra-curricular activities. This becomes a part of his permanent record. Studies of these reports aid greatly in planning for more effective guidance for teachers in training.

To Obtain Services. Any person desiring the services of the Placement Bureau, either as an employer or as a prospective employee, should contact the Director of Public Service.

EXTENSION DIVISION

Philosophy. Realizing the desire and need of many teachers for opportunities for professional stimulation and advancement, the college has organized and maintains an extension division. This institution exists to serve the people of the state; and, where citizens can not come to the college, it welcomes the opportunity to take education to the people. It offers extension credit courses both by direct class instruction and by correspondence study methods.

General Regulations. No student who is registered as a full-time student in this or any other institution may be registered for extension credit work without written permission from the Dean of the College. Moreover, a student enrolled for extension work as offered by this College, whether by direct class instruction or by correspondence, must notify the Dean of the College when he is taking correspondence, extension or residence work in any other college or university. Students are held individually responsible for any violation of this regulation.

A student who is gainfully employed may present for credit toward a certificate or degree not more than six hours of credit earned in extension or by correspondence during any one semester, provided that the maximum amount of work completed by correspondence and in extension centers applicable toward a baccalaureate degree shall be limited to thirty hours all told, of which not more than eighteen hours may be completed by correspondence. Normally, no more than six semester hours of extension work may apply toward the master's degree and no correspondence work is applicable.

Requirements for admission to extension work are the same as admission to residence work except that any student may be admitted to an extension class for work without credit.

Instructors. Regular members of the college faculty teach the extension courses. Usually, these teach the same courses by extension which they teach on the campus. This assures a definite sequence of instruction in a field of study to off-campus students.

DIRECT CLASS INSTRUCTION

Location of Centers. Courses are offered in any center where there is sufficient demand. In recent years classes have been taught in Comfort, San Antonio, Crystal City, Cuero, Pleasanton, Port Lavaca, Menard, Johnson City, Fredericksburg, Hallettsville, and Victoria. Hundreds of students have received training in these centers.
Courses Offered. Courses in English, History, Business Administration, Education, Physical Education, Government, and Sociology have been among those offered very satisfactorily in recent years. This division will offer any course found in the regular catalog if it is practicable to teach it by extension.

Fees. The fee for extension credit by direct class instruction work is $10.00 per semester hour payable in advance.

Credits. Classes by extension usually meet for two and one-half hours one night per week for eighteen weeks. For such a course three semester hours credit may be earned. Grades are assigned the same for extension courses as for residence work.

To Enroll. Any student who wants to take a course by class extension should communicate directly with the Director of Extension.

CORRESPONDENCE INSTRUCTION REGULATIONS

Correspondence courses taught by regular faculty members are available.

The following regulations are excerpted from the more detailed ones to be found in the correspondence bulletin obtainable from the Department of Extension.

1. Students may register and begin work at any time. Instructors are not expected to grade papers, however, between the close of the summer term and the opening of the fall term.

2. Each three-hour course should be completed in four and a half months, provided that such a course may not be completed in less than forty-five days and must be completed within one year from the time the student registers for the course.

3. Each correspondence course for credit must be completed with a final written examination given under the supervision of a college-approved examiner at a college belonging to the Association of Texas Colleges.

4. Textbooks for correspondence courses must be furnished by the student. These may be obtained from the College Exchange on the campus.

Fees. The fee for correspondence credit is $10.00 per semester hour plus a small examination fee. The course fee is payable in advance. The examination fee is payable at the time the final examination is taken.

Credits. Most correspondence courses offered carry three semester hours of credit. They have the same prerequisites as required for equivalent on-campus courses.

To Enroll. Persons wishing to enroll for correspondence work as offered by the college should address a request for a copy of the correspondence bulletin and for application blanks to the Director of Extension, Southwest Texas State College, San Marcos, Texas.
THE SUMMER SESSION

The Summer Session of the college, divided into half-sessions of six weeks each, is an integral part of an all-year program of instruction so organized that a student may at that time begin or continue his work as an undergraduate or as a graduate student. By taking advantage of it, a capable student may accelerate his program toward graduation to the point of meeting the requirements for graduation with a Bachelor's degree in three calendar years or a Master's degree in two and one-half summer sessions.

The first half-session of the Summer Session, 1962, will open June 3 and close July 13, the second half-session opens July 16 and closes August 24. A full schedule of graduate and undergraduate work will be offered, including workshops in elementary, secondary, and special education.
GENERAL PURPOSE OF THE COLLEGE

The Southwest Texas State College at San Marcos was founded by the Legislature in 1899 as an institution that would serve in the preparation of teachers for the public schools. During the early years of its history, its organization and plan was that of the normal school designed to prepare elementary teachers only. Before the coming of high schools, the level of preparation was that of Senior High School work and two years of college; then, as the teachers college movement gained momentum and as high schools took their place in all of our communities, the need for an institution to give high school preparation disappeared; the college became a standard four-year institution preparing both elementary and secondary teachers and administrators. A graduate program leading to the Master’s degree was established June 1, 1936.

The undergraduate program of the college is largely teacher preparation; the graduate program is strictly teacher preparation. In its broader role of a general-purpose institution, however, the college has developed curricula to accommodate the increasing number of students who wish to pursue liberal-arts and pre-professional courses. In the past more than 95 per cent of those who graduated from the college were qualified to teach; now 80 per cent or less are so qualified. Thus, while the preparation of teachers continues to be a primary objective of the college, new emphasis has been given to those academic areas which contribute to general liberal education.

FUNDAMENTAL PRINCIPLES AND POLICIES

Having accepted as our responsibility the areas of instruction indicated above, it is believed that certain principles should control the organization of the College and should determine its major policies. The following eight principles serve as guides for the instructional and administrative staffs in policy making.

I. The College should have clearly defined objectives which should limit and control its offerings and activities.

Clearly defined objectives should govern the administrative organization, classroom instruction, curriculum offerings, extra-class activities, and personnel procedures. These objectives should be justified in terms of functional value, effectiveness, and economy, and those persons engaged in administrative work, classroom teaching, or sponsors of activities should be influenced by worthwhile goals.

II. In order that students may gain a unified body of knowledge, with breadth and depth of information, the ultimate goal, the curriculum, and extra-curriculum of the college should be progressive, sequential and integrated.

Living in a changing world and with new demands made upon us from year to year, the staff is under obligation to revise and reorganize its program in terms of the changing needs of society. Sound scholarship
should be characterized by breadth and depth of information and is the constant and impelling motive in the introduction of new materials. The staff responsible for the introduction of such materials will consider their value in terms of the needs and welfare of the student and of society. A Curriculum Committee composed of the Dean of the College and the heads of the various departments has the responsibility of curriculum adjustment and change.

III. In order that all students may possess a broad cultural background in what is regarded as the basic areas of knowledge, a program has been established to assure that the requirements of general education are met by all.

It is the belief of our administrative and teaching staffs that there should be basic courses required in such areas as the social sciences, the natural sciences, the humanities, communications, in health, and that some election should be allowed in these required areas. With this thought in mind, academic foundation's program has been established.

IV. The curriculum patterns for teacher education are so designed that the student attains competence in the knowledge, ideals, attitudes, and skills required by the profession of teaching.

By means of our organized curricula in the various fields of subject matter, and through professional courses enriched by observation and participation and eventually in a period of concentrated teaching known as student teaching, the prospective teacher gains competence and skill as a beginning teacher. In the laboratory school effort is made to facilitate the processes involved in the integration of theory and practice.

V. The teacher education division should be differentiated and expanded in accordance with the aims and organizations of the public schools served by the college.

In accordance with the above principle, the college at San Marcos provides for concentrated study or specialization in the following areas: kindergarten, primary, elementary, and secondary, with particular specialties in school administration and special education. A complete school system is available as a laboratory for observation, demonstration, and teaching in all of the areas of public school work excepting a few highly specialized areas of subject matter.

VI. The curricula in the liberal arts provide opportunities for broad cultural development.

For those students who do not wish to pursue professional or vocational courses, the college offers a varied program in the liberal arts with majors in such fields as literature, languages, sciences, mathematics, social sciences, and fine arts. Students who are interested in preparing for graduate study are given assistance in planning programs to achieve this goal.

VII. Pre-professional curricula are carefully planned to afford the basic training required for admission to professional schools.
As the demand for pre-professional training has increased, the staff has maintained close contact with the professional schools in order to assist students to meet fully the requirements for admission to study in the fields of medicine, dentistry, law, and engineering. Students who complete their preparatory training at the college proceed regularly to the leading professional schools.

VIII. In order that the democratic way of life may be realized, the college, through its administrative, instructional, and personnel organizations, seeks to exemplify this concept, in spirit and in act.

It is our belief that individuals learn the ideals of democracy by study and by practice. This means that the college atmosphere should be one of cordiality, friendliness, and cooperation. Faculty committees, student faculty councils, and extra-class activities are so organized that the spirit of cooperation may have a chance of expression since in such an atmosphere democracy is most likely to succeed.

ADMINISTRATIVE ORGANIZATION

Administrative Council. The college is organized for administrative purposes into four divisions: Instruction, Personnel, Business, and Public Service. These divisions are under the direction of the President of the College and the Administrative Council which is composed of the heads of various administrative divisions. The President, with the Administrative Council serving in an advisory capacity, formulates policies which have to do with the functional organization of the college.

Instructional Division. The heads of the subject-matter departments and divisions are organized into an Instructional Council with the Dean of the College, the Dean of Graduate Studies, and the Registrar ex-officio members. This division is concerned with the development of curricula, courses of study, teaching materials, and instructional procedures.

Students who wish advice or help in matters having to do with curriculum, courses, registration, advanced standing, instructional procedure and extra-class activities will consult with the Dean of the College, the Registrar, the department heads and extra-class activities advisers. Students will consult with the Registrar concerning all matters having to do with records, reports, credits, and schedules.

Business Administration. The Business Administration Division manages all financial matters and has direct control over and management of the College Plant.

Public Service. This division is concerned with publications, professional and vocational placement of graduates, ex-students and alumni associations, and other activities in which the general public is concerned. A director of public service serves as chairman of a committee charged with these responsibilities.
Student Personnel Division. In order to provide for the maximum physical, social, and spiritual development of each student, the College has established a Division of Student Personnel with which is lodged responsibility for coordinating the various services which are dedicated to such development of the student as a whole person. The activities of the Division are administered cooperatively by the members of the Personnel staff of the College; a group of faculty members who serve as freshmen counselors; and the department heads who serve as advisers to upper-classmen.
STUDENT PERSONNEL SERVICES AND OPPORTUNITIES

HOUSING

The housing program is part of the over-all educational plan of the college. The Board of Regents has committed this college to maintaining full occupancy of all college-owned residences. As long as college housing is available, all unmarried undergraduate students, except those who live at home, are required to live in college residence units unless other living arrangements are approved in advance by the Personnel Office. Permission to live off the campus may be revoked at any time the student is placed on scholastic or disciplinary probation.

Housing for married women students is not available in residence halls during the long term. Women students who are living in the residence halls and who marry during the long term are expected to move from the residence hall immediately.

All living arrangements are made for one semester, and no changes may be made without permission from the Personnel Office. Students who are on probation will not be granted permission to live off the campus.

Specific purposes of residence halls environment, all of which are requisite to developing the personalities which the college graduate should have are:

1. To develop social competence. Student counselors assist the new students and transfers in becoming oriented to college life. Planned social programs in the halls help the students to develop competence in all types of social situations. Living in halls with many types of people provides broadening socializing experience.

2. To develop mature integrity. Head residents of all residence halls are selected for their experience and maturity which qualify them to assist students in the development of judgment and ability to maintain standards which are required of the educated individual in all areas of living: moral, social, economic, and citizenship.

3. To develop self-discipline. To this end the students are encouraged to form house councils and to govern themselves in groups in so far as they will take the responsibility for their own government. Every effort is made to help the student grow in self-discipline rather than to make him or her conform to superimposed regulations.

4. To develop intellectual competence. The residence hall is an extension of the classroom in its influence on intellectual growth. A carefully planned program of counseling in the halls seeks to assist students to attain their highest potential.

5. To develop the ability to share responsibility. This practice is particularly evident in Hornsby Hall and Burleson Hall where cooperative living is the pattern. Incidental to the valuable experience gained in
sharing work and housekeeping duties is an appreciable reduction in living costs. Yet assignments under the sharing plan are not so heavy as to interfere with students’ studies.

A. Residence Halls

Beretta Hall, Brogdon Hall, Commons Hall, Laurel Hall, Retama Hall, and Sayers Hall provide exceptionally attractive accommodations for women. Beretta, Brogdon and Retama Halls house freshmen women; Laurel and Retama Halls are air-conditioned. A new air-conditioned residence hall is to be completed and ready for use in September, 1962, and will house two hundred fifty upperclass women. In addition, the college maintains two cooperative houses for women, Burleson and Hornsby Halls. In these cooperative houses the residents, in groups, plan, prepare, and serve their meals, and perform other routine duties necessary to the efficient operation of the residence halls. These nine residence halls will accommodate a total of 1003 women.

There are five dormitories for men students. Thomas Hall which is air-conditioned, and Harris Hall are for freshmen students. Harris Hall has both air-conditioned and non-air-conditioned rooms. Each room in the air-conditioned wing accommodates three men. The three upper class dormitories are: Speck Hall, which is a non-air-conditioned residence hall, Smith Hall and Arnold Hall, both of which are air-conditioned. These dormitories will house approximately 894 men. In addition special housing is available in the Men’s Gymnasium for men students participating in the athletic program.

All rooms have single beds, either double or single study desks, a dresser and a closet for each resident. Ample bathroom facilities are provided on each floor. A few rooms in Hornsby Hall and Sayers Hall will accommodate three women; Harris Hall and the Men’s New Gymnasium have some rooms which will accommodate three men. There is one single-room in Sayers Hall and there are two in Beretta Hall (See Section on Room and Board Expenses). All other rooms in all buildings accommodate two residents.

Residents who wish to occupy rooms at less than full capacity must make arrangements with the Personnel Office and pay the additional cost to the Business Office.

Each student must furnish towels, sheets, pillow cases, blankets, bedspreads, curtains, etc. Pillows are furnished in the air-conditioned dormitories only. Radios and record players are allowed in the rooms, provided they are turned down low enough not to disturb others. Television sets are not allowed in the bedrooms. The occupants of each room will be expected to keep their room clean and neat. Electrical appliances used in the preparation or storage of food are not permitted in student rooms.
Laundry facilities, including tubs, automatic vending-type washing machines and dryers, irons and ironing boards, are available in each residence hall.

There is to be no soliciting in the residence halls unless approval has been given by the Office of Personnel and Business Office.

All undergraduate students who live in dormitories are required to take their meals in the College Cafeteria unless unusual conditions necessitate permission to do otherwise. Students who wish this permission must contact the Dean of Students. No evening meal is served on Sunday in the Cafeteria or Cooperative House dining rooms.

Intoxicating beverages are not to be brought into or consumed on or near the premises of the College. Students guilty of excessive drinking of alcoholic beverages may find themselves subject to severe disciplinary action.

Gambling in any or all forms is prohibited.

Any student who leaves a room reservation deposit with the College and does not use dormitory facilities for a period of four years will forfeit the deposit.

All applications for housing in college residence halls should be addressed to the Office of Personnel. The room deposit is $20.00 and must remain on file during a student's attendance and use of dormitory facilities. It is refundable upon request if cancellation of the reservation is received in the Personnel Office according to the following schedule:

<table>
<thead>
<tr>
<th>Semester</th>
<th>Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall Semester</td>
<td>on or before August 1</td>
</tr>
<tr>
<td>Spring Semester</td>
<td>on or before January 4</td>
</tr>
<tr>
<td>Summer Semester</td>
<td>1st 6 weeks on or before May 15</td>
</tr>
<tr>
<td>Summer Semester</td>
<td>2nd 6 weeks on or before July 1</td>
</tr>
</tbody>
</table>

Workshops One week prior to the first session of the workshop.

Withdrawal from the residence hall during the period for which reservation is requested will mean forfeiture of room deposit, except where extenuating circumstances are involved.

When students move from the dormitory, they are to obtain a Checking Out Card from their Head Resident, then clear with the Personnel Office and Business Office.

All residence halls will be closed during the Thanksgiving, Christmas, and Easter vacations as well as between semesters provided that the College may choose to keep the residence halls open in case the intermission is too short to justify closing.
B. Housing Facilities for Married Students

Riverside Homes and Riverside Apartments are in the same general area, conveniently located between Evans Field and the main campus.

All applications for housing at Riverside Homes and Apartments should be made to the Manager, Riverside Homes and Apartments, San Marcos, Texas. A deposit of $10 is required when application is made. This deposit can be refunded or transferred to another semester provided the Manager of Riverside is notified at least 30 days before beginning of semester for which apartment is reserved.

Riverside Homes

This is a wartime Federal housing-type project. Each apartment consists of living room-kitchen combination, one or more bedrooms, and a bath. Each apartment has a separate entrance and a small yard. The apartment can be had with one, two, or three bedrooms; it may be either furnished (except refrigerator) or unfurnished.

An extra charge will be made for air-conditioners, evaporative coolers, and electric stoves if the occupant installs them in the apartment. Permission must be given by the manager of Riverside Homes before installation, as there may be an adequate current supply problem.

No appliances are available through the college.

Riverside Apartments

These apartments, two-story buildings of masonry construction, were completed in October, 1958. They are one-bedroom only and rent for $50.00 per month with bills paid, providing a student is taking at least 12 hours per semester or 4 hours per summer term. Each apartment consists of living room, kitchen-dining room combination with adequate cabinet space, one bedroom, tiled bath with tub and shower, closets, panel ray heaters, and electric heater in bathroom. Each apartment is unfurnished except that each does have an electric stove and refrigerator in the kitchen.

Air conditioners may be installed by the occupant with the approval of the Manager. There is an additional electrical charge per month for air-conditioners. Air conditioners are not available through the college.

No pets are allowed at Riverside.

FOOD SERVICES

The food service arrangements, like those for housing, are a part of the overall educational plan of the College. The college dining halls are located on the first and second floors of The Commons. Residents of all halls except the cooperative houses are required to take their meals in the college cafeteria. This food service endeavors to help the student develop wholesome food habits. The menu planning and meal service are supervised in order to insure the students an adequate diet. The cafeteria is used by the students, faculty members, administrative of-
ficers, and college guests. The Spur Room, a special dining room located on a lower floor of The Commons, is available to college groups by reservation.

HEALTH SERVICES

One of the important aspects of successful college living is "healthy living." To this end, the college has established a forward-looking policy regarding the maintenance of good student health.

A beautiful infirmary is located on the campus in order to take care of health needs of the students. Two part-time doctors have made their services available to the students in such a way that 24-hour service (seven days a week) is possible in cases of emergency. These doctors alternate in handling sick calls (daily except Saturday and Sunday) Monday through Friday, 3:30 to 5:30 p.m. They are available for private consultation at these same hours. Their college office is located in the infirmary. In addition to rendering professional medical services, the doctors serve as physicians for the athletic teams and administrative officials in the various councils with the Division of Personnel.

Infirmary Office Hours

| A.M. | 8:30-11:30 | Monday through Saturday |
| P.M. | 1:30-5:30  | Monday through Friday   |

Office closes at noon on Saturdays and remains closed through Sundays, except in case of real emergency. Office also will close on all holidays.

A registered nurse and part-time assistants are on duty 24 hours a day at the Infirmary. They administer much of the first aid and care for the hospitalized students in addition to serving as resources in the overall school campaign for more healthful living.

The college has made provision, at no extra charge to the students, for hospitalization (up to 5 days) in the Hays County Memorial Hospital for emergency surgery and other cases or when the college physicians prescribe special care for students involved in accidents occurring in school sponsored activities. Such cases must be referred by the college physicians, however.

The building use and matriculation fees cover all the services, and the college urges all its students to make maximum use of the many facilities available for establishing and conserving health.

COUNSELING SERVICE

The college maintains a variety of counseling services available to all students. General counseling is done by members of the Office of Personnel. Other areas of counseling include freshman orientation, dormitory counseling, and faculty counseling. A Testing and Guidance Center provides counseling on educational, vocational, personal, and social problems.
Freshman Orientation. To enable freshmen and other new students to become familiar with their new college environment, the first few days of the semester are set aside for their orientation by student leaders and faculty members. Much valuable information will be made available at this time and all new students are strongly urged to participate fully in this program.

Dormitory Counseling. Mature women serve as head residents of the women's halls and married couples serve as head residents of men's halls. These head residents are available to the students residing in the dormitories as counselors and devote much of their time to counseling with students in matters of group living and on personal problems.

Selected upperclass students also serve as counselors in some of the residence halls. These students work with the head residents to improve group living, welfare, and morale.

Testing and Guidance Center. All freshman are given a battery of academic ability, achievement, and attitude tests to aid in classification and counseling. The test results are interpreted to the student, at his request, by the Testing and Guidance Center. Opportunity for additional psychological testing and individual counseling, as appropriate to the student's needs, is provided through a systematic advisement program under the supervision of the Director of Testing and Guidance.

Faculty Counseling. New students are assigned to faculty advisors for counseling on their academic plans and problems. Assignment to a faculty advisor is made on the basis of the student's major. Students who do not have a major are assigned to faculty members selected to work with non-majors. The student remains with the same counselor during his freshman and sophomore years unless a change of major is made. In that case a change of counselor is also made. When the student becomes a junior the head of his major department becomes his counselor. Transfer students are expected to contact the Director of Testing and Guidance for assignment to a faculty advisor.

Personnel Records. In order to aid in the understanding and counseling of all students, the personnel folders are maintained in the Office of the Division of Student Personnel.

EMPLOYMENT AND FINANCIAL AID

Student Employment. The college provides many opportunities for student self-help. College offices, the cafeteria and the dormitories are among the places on the campus which employ a goodly number of college students. A student who is fortunate enough to receive one of these jobs must maintain a satisfactory academic record in order to hold that job. Such a condition is mandatory because of the many students who wish some form of employment. This student service is under the supervision of the Division of Personnel.
Financial Aid. The Dean of Students is chairman of the faculty committee on financial aid. All inquiries should be directed to the Dean of Students, Division of Personnel, unless otherwise indicated, and aid is available in the form of both scholarships and student loans.

SCHOLARSHIPS

Freshman Scholarships. A limited number of scholarships are available which provide in the main for tuition, fees and books. These scholarships are available to freshmen and range from $100 to $150. Students who are interested in making application for one of these scholarships should apply to the Dean of Graduate Studies for application blanks. A committee will award the scholarships on the basis of merit as evidenced by the information received in the application, supported by the high school principal or high school counselor.

Tuition Scholarships. By act of the 1957 Texas Legislature, the tuition was increased by twenty-five dollars ($25.00) per semester for resident students. All state colleges were authorized to set aside a certain amount of money each semester to assist students who can demonstrate a particular financial need. This assistance is in the amount of twenty-five dollars per semester. Applications for this scholarship should be made to the Division of Student Personnel at least one month prior to the semester in which they will be used and they will be acted upon by a committee. New applications must be made for each semester.

The Charles Spurgeon Smith Memorial Fund. This fund was established in 1952 by the friends of Dr. Charles Spurgeon Smith as a memorial fund, following his death in August of 1952. An award of fifty dollars is made annually in the spring of the year to an outstanding student majoring in biology. Dr. Smith joined the faculty of this college in 1913, and served as Head of the Biology Department from 1919 until his death.

High School Students Honor Scholarship. The Southwest Texas State College, along with other state supported-colleges, affords a scholarship which covers the tuition fee to the valedictorian of each affiliated high school in the state. This scholarship must be used during the year immediately following graduation from high school. The names of those who are eligible for these scholarships are submitted to the colleges by the Texas Education Agency.

Vocational Rehabilitation. The Texas Education Agency, through its Vocational Rehabilitation Division, 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, Texas Education Agency, 302 Walton Building, Austin, Texas. Further information can be secured in the Personnel Office.
LOANS

National Defense Student Loans. Student loans are available through the college under the National Defense Education Act of 1958. Applications for loans are considered on the basis of financial need and demonstrated academic ability. Only students who have an above average academic background are eligible. Special consideration is given to students who have a superior academic background; plan to teach in elementary or secondary schools; possess an academic background which indicates special aptitude in the areas of science, mathematics, engineering or a modern foreign language. Applications should be filed not later than July 15, for the fall and spring semester, November 15, for the spring semester only, and April 15, for the summer session. Application forms and further information may be secured by addressing the Treasurer of Student Loans.

The Jack Arnold Memorial Fund. This fund was begun in 1921 by Dr. and Mrs. M. L. Arnold as a memorial to their son, Jack, who sacrificed his life in France in World War I and who prior to his enlistment in the United States Army had been a student in the Southwest Texas State Teachers College.

The Chamber of Commerce Loan Fund. In the regular session of 1923-24 the San Marcos Chamber of Commerce established an emergency loan fund which is available to students who qualify for loans.

The Delta Kappa Gamma Loan Fund. The Delta Kappa Gamma, an organization which promotes professional ideals of service and good scholarship, gave $1,500 to the college in February, 1943. The interest of which fund is to be used as a loan fund to members of its group. This gift has been invested and loans can be made from the accrued interest.

Ex-Students Association Fund. This Association has from time to time contributed to other Loan Funds of the College, but in 1929 it established an independent loan fund.

The Freshney-Shaver-Fenn Fund. The Fund was started by faculty members in honor of Alfred Freshney, B.S., Professor of Chemistry and Physics from 1903 until his death in November, 1906, and added to in honor of Carey C. Shaver, B.Litt., Assistant Professor of Mathematics, 1912-1914, who died in February, 1915, and Arthur L. Fenn, B.A., M.S., Assistant Professor of Physics from September, 1927, until his death in December of the same year.

The Harris-Blair Student Loan Fund. This fund has been raised by the Harris-Blair Literary Society for the purpose of aiding worthy students regardless of society affiliations.

The Kappa Lambda Kappa Loan Funds. Kappa Lambda Kappa, undergraduate home economics organization, maintains two loan funds. The Cora Lay Fund, set up when the club was organized, is available to eligible seniors enrolled in the curriculum for teachers of vocational home economics.

The Bess Barnes Loan Fund, set up in 1958 before Miss Barnes' retirement, was designated after her death in 1959 as a memorial to Miss
Bess Barnes. It is available to worthy junior and senior students of home economics.

The John E. Pritchett Memorial Fund. This fund consists of subscriptions from students, faculty, and other friends of John E. Pritchett, B.A., M.A., Professor of Latin in the College from 1903 until his death in November, 1919.

The Taber Loan Fund. The fund created by Mrs. G. G. Tansey in memory of Laurence R. Taber of Smithville is available to worthy students from Texas.

Students of SWTSC who have established their sincerity, integrity, and a scholastic record which meets degree requirements may borrow amounts less than $100.00 on short term signature notes. Otherwise sureties may be required.

The Hogg Memorial Loan Fund. In accordance with a provision made in the will of the late Will C. Hogg, the College has been made the recipient of a bequest in the sum of $25,000 to be used as a fund to be loaned to worthy young men and women of Texas who need assistance in acquiring an education. This fund is supervised by a Board of Directors representing the Hogg Memorial Loan Fund.

STUDENT ACTIVITIES AND ORGANIZATIONS

The extra-curricular program of the college provides many and varied opportunities for the student to participate in organized college sponsored activities. Included in this program are student government, departmental and professional organizations, special interest groups, social clubs, and religious organizations. The student handbook "Hill Hints" which is published annually, describes in detail the extra-curricular program of the campus and is available in the office of the Associate Dean of Students in charge of the student life program in the Student Union Building.

Students are urged to maintain a balance between extra-curricular and class activities. Membership in charter organizations ordinarily may be maintained only if a C average is achieved. Students dropping below the average are ineligible for active membership until such average is re-established, and during periods of ineligibility may not attend club functions other than those designated as "all-campus" activities. No upper-classman may be elected to a class or student body office who does not have a C average on all work done at Southwest Texas State College, and no freshman who enters the college on probation may hold office until he is removed from probationary status and has established a C average on work taken at this college.

The following councils and boards share the responsibility for planning and coordinating organizational and dormitory activities.

Student Senate. In order that the students of the college may learn the meaning of democracy through participating in the actual experiences of responsible, democratic citizenship, provision is made for a student governing body elected to office by the students. This body is known as
the Associated Students and consists of executive, legislative, and judicial bodies, each of which meets regularly to discuss and act on matters pertaining to the general well being of the student body. With few exceptions the meetings are open to the public and all students are invited to attend. The Dean of Students and the Associate Dean of Students in charge of the student life program serve as advisors to the Associated Students.

Student-Faculty-Administration Board. The Student-Faculty-Administration Board is composed of six students from the junior and senior classes and six members of the faculty and administration of the college. The purpose of this board is to operate in an advisory capacity, upon request, to any campus group, to foster academic and cultural activities on campus, and to preserve and encourage good relations between students, faculty, and administration.

Student Religious Council. The Student Religious Council is composed of two elected representatives from each of the student religious groups on campus. The purpose of the Council is to foster the religious life of the campus community, to give encouragement to existing religious groups and to help with the organization of new groups as the need arises, and to plan and coordinate all college-sponsored, campus-wide religious activities, such as Religious Emphasis Week, Christmas and Easter services, chapel programs, and other special religious observances. Denominational groups now active on campus are Baptist Student Union, Canterbury Association, Christian Science Students Association, Church of Christ Student Association, Gamma Delta, Lutheran Student Association, and the Newman Club. The student work of the Disciples of Christ, the Presbyterian, and the Methodist denominations is sponsored jointly through the Campus Christian Community.

Association of Women Students Council. In each residence hall, the members elect representatives to a house council which works with the head resident in providing for the physical, social, academic, and ethical welfare of all the residents. The president of the hall who is elected by the residents presides at each house council meeting and at all meetings of the entire hall. The A. W. S. Council is composed of the executive offices of the council and of the presidents and vice presidents of all the women's residence halls. The Council meets regularly with the Associate Dean of Students in charge of women's housing to coordinate activities in the residence halls.

Men's Interhall Council. The Men's Interhall Council is composed of six members. The president of each dormitory council and one other council member appointed by each president compose this council which meets with the Associate Dean of Students in charge of men's housing to consider problems common to all dormitories.

Social Club Councils. The councils which govern the activities of the campus social clubs are the Girls' Interclub Council and the Men's Social Club Council. These councils, composed of representatives from all the social clubs, meet twice a month to coordinate the activities of the five
women's and three men's clubs and have as their objective the planning of a well-rounded social program for the campus.

**Student-Faculty Committees and Councils.** Many other committees and councils, such as the Student Union Board of Directors and the committees for Homecoming and Frontier Day, are composed of both students and faculty and work on specific aspects of the activity program. The Student Senate appoints student representatives to these committees and the President of the college appoints the faculty members.

**Student Union Council.** The Student Union Council is composed of the President, Vice-President, Secretary, and seven committee chairmen selected by the Union Board of Directors. Working with the Associate Dean of Students in charge of the student life program, and the program director of the Union the council has as its aim the planning of an interesting program of activities for the Student Union. Included in the Union program are dances, games, films, talent shows, art shows and other fine arts programs. The council meets once a month.

**HONORARY ORGANIZATIONS**

**Alpha Chi.** The Texas Iota Chapter of Alpha Chi (the Nolle Scholarship Society of the Southwest Texas State College) is a charter member of the State organization perfected in 1922 under the name of The Scholarship Societies of the South, and nationalized in 1934 as Alpha Chi. The object of Alpha Chi is the stimulation, development, and recognition of scholarship and those elements of character which make scholarship effective for good. The members are chosen in October or November of each year from the junior and senior classes according to their rank in scholarship as shown on the college records, with good reputation and character as first qualifications, and again from the senior class at graduation time at the close of both the long session and the summer session, the number of members in each instance being limited to one-tenth of the enrollment in each class. The students may accordingly succeed in attaining triplicate honors, gaining junior, senior, and graduate membership. Meetings are held regularly each month.

**Alpha Muse** is the music society for women students and its membership is composed of music majors and minors whose academic record meets a certain standard. The purpose of Alpha Muse is to stimulate interest in music among college students and in the community, to offer opportunities for betterment of musicianship of club members, and to give financial aid to worthy students.

**Alpha Phi Omega.** Alpha Phi Omega, established on the campus in 1959, is a national service organization composed of college and university men who are or have been connected with the boy scout movement. Its purpose is to assemble college men in the fellowship of the scout oath and law, to develop friendship and promote service to humanity. The organi-
zation was founded in 1925, and since that time has established more than 250 chartered chapters on college and university campuses in America.

**Delta Psi Kappa.** The Alpha Kappa Chapter of Delta Psi Kappa was established on campus in May, 1948, with twenty-four charter members. It is a national scholarship society for young women who major or minor in health, physical education, and recreation. The purpose of Alpha Kappa Chapter is to provide experience in the college life of the students that will prove beneficial from the professional point of view as a worker in either of the areas. Recognition of the student carries with it over the United States and other countries, prestige in scholarship and professional abilities.

Membership in Alpha Kappa Chapter is by invitation and is restricted to young women currently enrolled in college.

**Delta Tau Alpha.** This honor society in Agriculture was organized on a national basis in March, 1960. The membership is composed of students of high character and academic achievement. The purpose of Delta Tau Alpha is to encourage and recognize students of high professional, intellectual, and personal standards. Southwest Texas State College was a charter chapter.

**Epsilon Pi Tau.** Alpha Mu Chapter, established on the campus of Southwest Texas State College, November 17, 1951, is one of more than forty such chapters of Epsilon Pi Tau, the International Fraternity in Industrial Arts and Industrial-Vocational Education. Among the objectives of the fraternity are the development of technical skills, growth in social efficiency, and the recognition of scholarship and professional research. Membership is drawn from the upper twenty per cent of junior and senior classes.

**Kappa Delta Pi.** Eta Zeta Chapter of Kappa Delta Pi, an honor society in education, was installed on this campus May 19, 1951. The purpose of Kappa Delta Pi is to encourage high professional, intellectual, and personal standards and to recognize outstanding contributions to education. To this end it invites to membership such persons as exhibit commendable personal qualities, worthy educational ideals, and sound scholarship. It endeavors to maintain a high degree of professional fellowship among its members and to quicken professional growth by honoring achievement in educational work.

**Kappa Pi.** Alpha Pi Chapter of Kappa Pi National Art Fraternity was organized on the campus February 15, 1946, with twenty-six charter members, including faculty, students, and alumni. The purpose of the Fraternity is to raise the standards of productive artistic work among the students in colleges and universities, and to furnish the highest reward for conscientious efforts in furthering the best interest of art in the broadest sense of the term. Election to membership in the Fraternity is honorary and is extended to those students who, by their influence, their artistic interest, and their meritorious work have exhibited the highest standards in scholarship and character.
Phi Mu Alpha Sinfonia Fraternity of America. The Gamma Phi Chapter of Phi Mu Alpha Sinfonia was established on the campus in 1947 with thirty-three members. The purpose of Gamma Phi Chapter is to provide music experience to its members aside from and in addition to that experience in regular course work, and to foster especially American music. To this end the chapter presents several programs each year, one of which falls on or near February twenty-second and is to be an all-American program.

Membership in Gamma Phi Chapter is by invitation and is restricted to men of sophomore rank or above currently enrolled in college.

Pi Gamma Mu. Pi Gamma Mu, national Social Science fraternity, was organized on campus in 1957. The purpose of Pi Gamma Mu is to improve scholarship in the social studies and to achieve synthesis therein; to inspire social service to humanity by an intelligent approach to the solution of social problems; to engender sympathy toward others with different opinions and institutions by a better mutual understanding and to supplement and support existing social science organizations. Pi Gamma Mu was founded in 1924 and at present has 131 active chapters.

Pi Omega Pi. Organized June 13, 1923, at Northeast Missouri State Teachers College, Pi Omega Pi has grown over the years to eighty active chapters over the nation. The ideals of service and scholarship are stressed in the organization which was organized to honor outstanding business educators and business education students and to promote business education.

Gamma Kappa Chapter was officially installed at Southwest Texas State College, November 11, 1951, with twenty charter members.

Sigma Alpha Eta. Beta Omicron Chapter of Sigma Alpha Eta, established on campus in September of 1958, is one of nearly forty nationally affiliated chapters. Sigma Alpha Eta is a professional fraternity for students interested in speech and hearing correction. Membership includes students training as speech and hearing therapists and others who have a genuine interest in the field. The aims of the organization are to promote understanding of and interest in problems in speech and hearing; to encourage professional cooperation; to stimulate academic and clinical achievement; and to increase awareness of related work in other institutions across the country.

Sigma Tau Delta. Omega Epsilon Chapter of Sigma Tau Delta, Professional and Honorary English Fraternity was established on the campus in February, 1952, and is one of more than 80 such chapters throughout the nation. Its purpose is to promote a mastery of written expression, to encourage worthwhile reading, and to foster a spirit of fellowship among persons specializing in the English language and literature. Its motto is "Sincerity, Truth, Design." Membership is by invitation to those students who have indicated a high degree of interest in the English language and literature, have maintained a consistently high grade average both
in their English courses and in their general scholastic standing, and manifest a sincere desire to associate with others of like aspiration and to understand and appreciate more deeply the English language and literature.

Arnold Air Society. The Charles J. Kelly Squadron of the Arnold Air Society, a national honorary organization for advanced Air Force R.O.T.C. Cadets, was organized on the campus in 1951. The purpose of this society is to further the purpose, mission, tradition, and concept of the United States Air Force as a means of National Defense, promote American citizenship, and to create a close and more efficient relationship among the Air Force Reserve Officers' Training Corps Cadets. Membership in the Society is by invitation only and is restricted to young men currently enrolled in the advanced phase of the Air Force R.O.T.C. Corps.

RECREATIONAL FACILITIES

Student Union. The Student Union, equipped with a variety of recreational equipment, is the common meeting place of all students. Here students chat, study, read magazines, dance, play games, listen to the radio, or view television programs. The club rooms, lounges, a ballroom and music room provide meeting places for various group activities. In the Union are located the offices of the Student Senate, the Student Religious Council, and the Director of Student Life. The Lair, college bookstore and coffee bar, is located on the first floor of the Union Building and is supervised by a director. Texts, school supplies, athletic goods, and other incidental needs are available in the bookstore at reasonable prices. The coffee bar is another popular meeting place for students and faculty where cold drinks, coffee, sandwiches, candy, and ice cream may be obtained.

The group responsible for the policies and program of the Union is the Student Union Board of Directors, a student-faculty board. Activities sponsored by this board include a cultural and foreign film service, coffee rooms, dances, and other social and recreational activities.

College Camp. The college has a 125 acre campsite located on the Blanco River in the Wimberley hills. Students and faculty groups find this an ideal spot for swimming, fishing, hiking, and over-night outings. The campsite was donated to the college in 1951 by Mrs. J. K. Beretta of San Antonio.

Sewell Park. A popular recreational feature of the college plant is Sewell Park, located on the San Marcos River which is fed by springs, less than a mile above. Here there are many opportunities for picnics, cook-outs, dances, games of the recreational type, and just relaxing, should that be the wish.

The swimming pool is well adapted to the needs of both beginners and experienced swimmers and is large enough to accommodate from two
hundred to three hundred persons at one time. It is lined with concrete retaining walls and is adequately equipped with spring-boards, diving towers, and safety ropes. A huge concrete slab located on “The Island” is ideal for skating and dancing. A stone bath house is amply designed with showers and dressing rooms.

**Gymnasiums, Athletic Field and Tennis Courts.** Two modern, fully-equipped gymnasiums adequately house indoor physical education and recreation activities for both men and women. Large playing floors, handball courts, classrooms, locker rooms, showers, and supply rooms containing recreational equipment of every description are found in each of these gymnasiums.

Tennis enthusiasts are provided with 3 practice tennis courts near the gymnasiums, and four new courts adjacent to the practice field.

**OTHER ACTIVITIES**

**Athletics.** The Southwest Texas State College is a member of the Lone Star Athletic Conference and is governed by its rules and regulations. The conference maintains a program of inter-collegiate competition in football, basketball, tennis, golf, track, and baseball. In addition to competitive sports the college maintains an extensive intramural program.

To be eligible to participate in intercollegiate athletic contests a student must meet the following conditions: (a) he must be enrolled for at least four courses representing a minimum of twelve hours of work; (b) he must have made a passing grade in at least nine hours of work in the preceding semester; and (c) he must not be under discipline.

**Intramural Programs.** The college feels that intramural sports provide an outlet for the desire for competition which college students possess and for which the inter-collegiate sports is not the answer. The average young man and woman who is not of varsity calibre is thus given a chance to satisfy this need. In addition, these programs serve as laboratories for the skills learned in the required classes in physical education activities. As a result, a wide variety of activities is offered through the intramural sports program.

Emphasis is placed upon participation. The greatest possible number of men and women students is encouraged to participate in some activity.

Officials for the various activities are drawn from officiating classes of the respective Physical Education Departments. Equipment for the most part is furnished by these departments.

**Men’s Program:** Touch football, basketball, volleyball, tennis, table tennis, softball, and handball provide competitive sports. Intramural Board supervises the program which is open to all regularly enrolled men students.

**Women’s Program:** The Women’s Recreation Association provides
recreational and sports activities for all women. Camping activities, picnics, play days, sport days and competition with other schools are part of the planned program.

The Tumbling Club, Modern Dance Club, and Aquatic Club are sponsored clubs, open to both men and women.

Musical Organizations. The musical organizations of the College are open to all students of the College, subject to approval of the director of each organization. The formal registration for and satisfactory performance in Chorus, Orchestra, or Band carries one semester hour credit per semester with it and may be used toward graduation within the limits prescribed elsewhere in the catalog.

The Band Organization. The College Band Organization is composed of four units; the Majorette Corps, the Girl's Precision-Dance Team known as "The Southwest Texas Strutters", the Band (Playing Unit), and the Color Guard.

1. Majorette Corps:
Organized in 1952, the Majorette Corps is a popular feature on our campus. The Majorettes performs at all home football games, parades and wherever the band organization appears. Membership is limited to 18 girls who are the best baton-twirlers on our campus. All girls who have had majorette experience are eligible to try-out for membership in the Majorette Corps.

2. The Southwest Texas Strutters:
First organized in 1960, the “Strutters” have won wide-spread popularity for themselves, our college and the State of Texas through their precision-dance performances at football games and parades wherever the band organization has appeared. Previous experience is not required. Membership is limited to 70 live-wire girls with a lot of spirit.

3. The Band:
Membership in the College Band is open to all college students who can play band instruments. In the fall the band serves as a Football Band. In November the band converts into the Concert Band. The College provides many instruments for students who do not own instruments. Out of town trips will be taken each year.

3. Color Guard:
This group is composed of 14 boys who march with the Band organization at public functions. They are chosen after try-outs and are considered fundamental parts of the band organization.

The College Chorus. The College Chorus attempts to provide basic vocal training and experience for every college student who manifests an interest in choral singing. Previous training and experience, though desirable, are not required. The performances of the College Chorus are largely limited to the campus.
A Cappella Choir. This organization is chosen from the student body by auditions only. Eligibility for membership in it is determined on the basis of musicianship, vocal ability, character, and scholastic standing. This organization is privileged to make concert tours of the State officially representing the College. Additionally, special performances are staged on and off the campus for many and varied professional civic organizations.

Dramatics and Forensics. This organization known as The College Theatre, closely affiliated with the Speech Department, offers excellent opportunities to students interested in literary interpretation and training in dramatics. The Speech Department, too, exercises sponsorship of debating, oratorical, and extempore speaking activities both intramural and intercollegiate.

PUBLICATIONS

The College issues an annual catalog in March and a summer bulletin with announcements of summer courses in February.

The College Star is a weekly school news publication issued by the students of the College under the supervision of the Department of Journalism.

The Pedagog, which represents campus activities for the current year, is the yearbook of the College.

Positions on the editorial and business staffs of the Pedagog and Star are open to all students not on scholastic probation. Although editors of the two publications are elected by the student body, other positions on the staffs are appointive, and students are encouraged to apply for the. Students need not be majoring in journalism to apply. Work on the Pedagog and the Star places the student in a position of central importance to campus, and the student obtains considerable benefit in learning the area of written communication.

ASSEMBLY PROGRAMS

Assemblies of faculty and students are called from time to time. Programs include educational, religious, and student body projects.

DRIVING AND PARKING REGULATIONS

All students and faculty members are requested to observe all driving and parking regulations set up by the college. The regulations are generally indicated by markings on the streets and curbs and by signs. These regulations have been formulated for the benefit of all drivers. To violate them will inconvenience others.

Car Registration Required

1. All cars driven on the campus by students, faculty members, and
other employees of the college must be registered with the Business Office on September first of each year or as soon thereafter as each car is brought on campus.

2. When a car is registered, the driver will be given a gummed stickers for 1962-63 with a permit number which must be placed in the upper right hand corner of the front windshield where it may be seen at all times.

3. The permit will entitle the student to drive on the campus and to park his car in designated zone or zones assigned to the permit, but not in areas marked "Restricted" or "Reserved". All cars must be in the zone assigned to the permit between the class hours of 8 a.m. to 3 p.m. "C" permit stickers will be allowed to park in zones not restricted or reserved.

4. Faculty members and other full-time college employees are entitled to the Special Permit which entitles them to park their cars in the "Restricted" areas. Student members of faculty families are not allowed to park in restricted areas on the campus. Students with serious health problems may make application for the "Special Permit" in the Office of the Assistant Business Manager.

5. Students and faculty members who do not register their cars and display the registration number will not be permitted to drive or park their cars on the campus during the regular school hours.

6. Your responsibility as a driver requires that you observe the above regulations as shown under "Driving and Parking Regulations", as well as city, county, and state regulations on driving and parking.

7. Violations of any of the driving and parking regulations will necessitate assessment of fees of:

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<td>Seventh Offense</td>
<td>5.00 and revocation of car privileges in San Marcos.</td>
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8. The college reserves the right to remove any illegally parked car from the campus by college vehicles or by a privately owned wrecker. The car's owner will be required to pay the charges in addition to the parking violation fee.

9. Permits left on cars 5 days beyond expiration date will be illegal permits.

10. All drivers will be responsible for obtaining the proper permit, limit of 15 miles per hour in effect on all college streets.
11. Flagrant and excessive violation may cause a car to be immobilized where it is parked. Permission to remove the immobilizing device must be obtained from the Office of the Assistant Business Manager during regular office hours, Monday through Saturday. After these hours, permission must be granted by the campus security officer.

12. All cars must be driven in a safe and prudent manner. Drivers must be in absolute control of cars at all times, maximum speed limit of 15 miles per hour in effect on all college streets.

DEAD WEEK

The week preceding semester examinations is designated as “Dead Week,” the purpose of which is to give students sufficient time for review. Student organizations do not meet or hold social affairs. The college calendar is inactive.

Written examinations, except to cover daily assignments, are not given, and themes or other assignments beyond daily requirements are not made. No final examination nor portion of it is to be given during “Dead Week” without the express approval of the Dean of the College.

Pictured through Library window, student studies for final examinations.
ADMISSION AND GRADUATION REQUIREMENTS

ADMISSION REQUIREMENTS

Admission by Graduation from High School. Students of freshman classification, who have completed less than a twelve week term in another accredited college or university, will be admitted under the following conditions:

1. **Recommended entrance requirements:**
   a. Graduation from an accredited high school with a total of 16 units of credit in addition to health and physical education and completion of the American College Testing Program battery of tests.
   b. Four units in English.
   c. Two units in Mathematics, including Algebra and Plane Geometry.
   d. Two units in laboratory science, including one in a biological science and one in a physical science.
   e. Two and one-half units in social science.
   f. Two units in a foreign language.

2. **Minimum entrance requirements:**
   a. Graduation from an accredited high school with a total of 16 units of credits in addition to health and physical education and completion of the American College Testing Program battery of tests. (CEEB test scores may be substituted for admission—ACT must be taken after admission).
   b. Three units in English.
   c. Two units in Mathematics.
   e. Two units in laboratory science (two years of vocational courses or two years of a foreign language may be substituted for one unit of science).

3. All applicants for admission who rank in academic achievement in the upper one half of their high school graduating class and who meet the requirements under No. 2 will be accepted upon submission of their high school credentials.

4. All applicants for admission who rank in academic achievement in the lower one half of their high school graduating class and who meet the requirements under No. 2 must satisfactorily pass the American College Testing Program battery of tests.

5. All students who, in academic achievement, fall in the lowest one-fourth of their high school graduating class are not encouraged to apply for admission; if they do wish to apply, they must satisfactorily pass the American College Testing Program battery of tests, and, if admitted, be placed on scholastic probation subject to conditions to be agreed upon.

Should the applicant's scores on the admission tests and other data
indicate that he may not be successful in academic work on the college level, he will be given special advisement as to whether he should enter this college.

Note: High school graduates otherwise adjudged eligible to be admitted to the freshman class but who do not include in the 16 units described for admission one or two of the nine and one half units specifically identified may be admitted conditionally, the condition to be absolved by the close of the freshman year, provided that those enrolling with less than two units of credit in mathematics will be expected, at the time of their initial enrollment in the College, to evidence competency in mathematics equivalent to the above stated entrance requirement to be demonstrated by tests on techniques and information in the subject. Students who fail thus to remove the entrance condition in mathematics may be required to offer toward graduation the credit earned in Mathematics 11 in addition to the 128 semester hours normally required for graduation.

High schools inspected and approved by the Texas Education Agency are listed in the annual directory issued by the Agency. Units offered for admission must be found in the directory of even dated years.

Admission Upon Individual Approval. Applicants over twenty-one years of age may be admitted by special permission of the Registrar provided they present evidence of sufficient ability and determination to pursue college work. Students so admitted may satisfy their college entrance requirements by the completion of at least 30 semester hours of college work, of which six must be in English, six in the social sciences, and either six hours in physical science, or six hours in mathematics, and provided they make an average grade of “C” or above on the 30 hours of work completed.

Admission of Veterans. Any student who has served in the Armed Forces of the United States may be admitted by special permission of the Registrar subject to the regulation governing admission upon individual approval as it applies to other applicants, provided he is 18 years of age or over.

Credits from Other Institutions. Credit to be allowed for work done in any college or university is determined by the Registrar of the College upon the basis of a transcript of such work signed by the proper authority, provided that the application of such credit toward graduation will be determined by the Dean of the College in accordance with the requirements of the student’s degree program. Moreover, the student must file separately a transcript of his high school credit unless such high school credit is entered on the official transcript of his college work.

Courses in which a grade of “C” or better has been earned will be accepted subject to the above conditions. Under no conditions will “D” grades be accepted.

Applicants who have completed less than a twelve week term in another accredited college or university must meet entrance requirements under Admission by Graduation from high school.

Student Conduct. The Southwest Texas State College invites to its
classrooms only persons of good habits, strong character, and noble purposes. Students of this type voluntarily refrain from improprieties of conduct, and counsel freely with the President and members of the faculty. Under these conditions the discipline of the college becomes a dignified appeal to worthy young men and women to maintain at all times the strictest fidelity of character. It should further be understood that the college is not required to grant certificates to students whose character is unsound.

**Degrees Offered.** The college grants the undergraduate degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Science in Education, Bachelor of Science in Home Economics, Bachelor of Science in Industrial Arts, Bachelor of Science in Vocational Agriculture, Bachelor of Music Education, Bachelor of Business Administration, and the graduate degrees of Master of Arts and Master of Education.

The courses of study leading to graduation with the respective degrees are outlined in the section of the catalog captioned College Curricula on page 77. A candidate for graduation with an undergraduate degree must, however, be guided by the regulations and statements of policy that follow.

**Residence.** To qualify for graduation with a bachelor's degree a student must have been in residence in the college for at least two semesters of the regular session or thirty weeks in summer session, provided that he must have done in residence at least thirty hours of work (at least 24 hours thereof advanced) including twenty-four hours of the last thirty hours offered toward graduation.

**Time Limit.** A student who is a candidate for an undergraduate degree may graduate under the requirements for the respective degree set forth in the catalog in force during the session in which he first enrolled provided he graduates within six years from the end of the session. After expiration of such a period of time he may be held to meeting the requirements as outlined in the catalog in force during the session in which he graduates.

**SEMESTER'S WORK LOAD:** Southwest Texas State College schedules classes six days a week, Monday through Saturday, in the belief that such a policy contributes to a high standard of work. The normal course load during a regular semester is fifteen (15) semester hours, exclusive of the physical education activity course.

Students enrolling for a full course load of fifteen semester hours must schedule classes over the six-day week. Students enrolling for classes meeting Monday through Friday inclusive will be restricted to four (4) regular courses, plus the physical education activity course; and students enrolling for classes meeting on one series of class days only, that is Monday, Wednesday, and Friday or Tuesday, Thursday, and Saturday, will be restricted to three (3) regular courses plus the physical education activity course.

The permissive maximum load for which a first-term freshman or an undergraduate student with an average grade of "C" on a minimum load of 15 hours in residence in the regular session immediately preceding
one enrollment or on a minimum load of 12 hours in the summer session immediately preceding enrollment may enroll in any one semester of the regular session is 17 hours exclusive of a required course in physical education activities. However, permission to carry such a maximum load will be granted only provided, (a) that the schedule exhibits not more than five course exclusive of the course in such activities or (b) that in the instance of a freshman or sophomore, the sixth course exclusive of the course in activities is a one-semester hour course or that in the instance of a junior or senior, the sixth course is a one-semester hour course or a two-semester hour course.

No student may enroll for more than seventeen hours exclusive of a required course in physical education activities except with special permission of the Dean of the College or the appropriate member of the Registration Committee.

The requirement for graduation with a bachelor's degree being 128 semester hours, a student's load must average sixteen hours per semester

Note: A student who, as a part of the last thirty semester hours of work that he offers toward graduation, enrolls for a course of freshman rank that falls in the field of his major or his minor or for any other course of freshman rank required of him for graduation will receive only two-thirds credit for such a course.

Late Registration. The total credit for students who enter late shall not exceed one semester hour for each week of attendance. This rule need not be applied to students who for adequate reasons enter not later than the seventh calendar day of either semester or the regular session, or not later than the third calendar day of any term of less than a semester

Course Numbers. Courses numbered 1 to 49 are intended primarily for Freshmen; 50 to 99, for Sophomores; 100 to 199, for Juniors; 200 to 299, for Seniors. Courses numbered 200-299 marked by a star may be taken at the graduate level provided the requirement of twenty-four semester hours in the field is met by the student and provided that he does work in addition to that required of other students in the class. Those numbered 300 and above are for Graduates only. A numbered course carries credit of three semester hours unless otherwise indicated under its description. Courses represented by two numbers in series (e.g., History 11, 12) must be completed in their entirety before any part thereof may be accepted for credit toward a degree, unless the description of the course specifically makes exception to the contrary.

Numbers in parentheses following a course title indicate the clock hours per week spent in lecture and laboratory respectively.

Grade Symbols. Semester grades of a student are determined by his daily oral and written work and by tests or quizzes, usually unannounced, given at intervals during the semester, by formal mid-semester quizzes, and by formal examinations given at the end of the semester. These
grades are indicated by the following symbols: A represents excellent work; B, good; C, fair; D, passing; F, failure; I, incomplete; and W, withdrawn. In case the work of any student is incomplete during any semester he must complete such work by the time of an indicated deadline or in the absence of such a deadline, during the first semester that he is again in attendance after the grade of "I" is received and not later than the end of the second semester following the one in which the incomplete grade was assessed. Otherwise, this incomplete grade may, at the discretion of the instructor, be changed to "F." In case of failure the student must take the entire work in class again.

The grade of "I" is assessed for a student in a course for one of two reasons only: (a) failure to take the final examination at the time regularly scheduled for the respective course in consequence of illness or other contingency beyond the control of the student; or (b) failure for a similar reason to hand in on scheduled time a major assignment in the course, e.g., theme or a notebook.

Note: The provisions attending the assessment of the grade of "I" do not apply to the thesis course in the graduate school, in which instance, credit in the course may be redeemed at any time prior to graduation.

A student dropping a course later than the close of the fourth week of a regular session or the second week of a half-term of the summer session receives the grade of "F" in the course, provided that at the time of dropping it he is adjudged by the instructor in the respective course to be earning a grade of less than "C" in it; otherwise he receives the grade of "W" in the course being dropped irrespective of the time he drops it.

Repeating Courses. A student may repeat any course he desires. Should he receive any other grade than "W" as a result of repeating a course, this grade will have precedence over the original mark.

English Proficiency. Candidates for graduation are expected to have demonstrated proficiency in English usage acceptable to the faculty committee in charge of this requirement.

Quality Points. To qualify for a certificate of any kind or for a degree, a student must make an average grade of at least "C" in all courses that he offers for credit toward the academic or, in the absence of an academic, the professional major required for such degree, provided that grades earned in physical education activities or in extra-curricular musical activities may not be used in computing such average. To make an average grade of "C" in any given number of courses, the quality of work thus represented must exhibit a scholastic index of 1.00, the quotient derived by dividing quality points by hours credit offered respectively, provided that not more than one-fourth of the total number of hours credit counted toward a degree or toward the major required for such degree, shall be of "D" rank.

In determining quality points the grade symbols have the following values:
GRADUATION REQUIREMENTS

A — 3 Quality points per semester hour
B — 2 Quality points per semester hour
C — 1 Quality point per semester hour
D — 0 Quality point per semester hour
F — 0 Quality point per semester hour

In case a student transfers credit to the Southwest Texas State College as earned in another institution, he must not only make an average grade of “C” on the sum total of all courses that he offers for credit toward a certificate or degree or toward the major required for such degree, but also specifically on all courses thus offered as absolved in the Southwest Texas State College, provided that at least six hours of the advanced work included in the major must be done in residence.

Scholastic Honors. To earn a place on the honor roll at the close of any given term or semester a student must have earned a “B” average on a schedule of at least twelve semester hours of work, exclusive of the regular assignment in physical education, carried during the period of time in question.

To attain to membership in Alpha Chi, national college-wide honor society, the student must as a basic requirement rank in the upper ten per cent of the junior, senior, or graduating class to which he belongs.

Absences. An accurate record of each freshman student’s absences is kept by each of his instructors. Freshman absences are reported individually upon the fourth absence and also for each subsequent absence. After the fourth or subsequent absence, the freshman (less than 27 hours) shall be barred from class by his instructor until a reinstatement has been presented by the student. These absences are reported to and reinstatements are issued by the Personnel Office.

All absences are recorded by faculty members in their offices so that the absence record of any undergraduate may be available when and if needed. However, no absences incurred by sophomores, juniors, or seniors are reported to the Personnel Office unless assistance is desired from an administrative office.

Negative Credit. Also, for each total of absences equal to the number of semester hours for which a student is enrolled during the semester or shorter term, the student will be assessed one semester hour of negative credit.

In the enforcement of this regulation an absence incurred by a student by virtue of membership in an institutionally sponsored organization, e.g., athletic, music or forensic, or by virtue of an institutionally organized field trip attending his regular class work shall be deemed officially excused and shall not be included in the number to which the student is otherwise restricted. No student is, however, at any time excused from work missed in a given course in consequence of absence from class irrespective of the reason obtaining for such absence. He is on the final examination accountable for all work covered in a course.
STANDARD OF WORK REQUIRED FOR CONTINUANCE

IN THE COLLEGE

Classification. For the purpose of computing scholastic probation, the following classification will be used: A first year student is one who has resided for a period of less than two semesters at a college or university. A second year student is one who has resided more than two and fewer than four semesters at a college or university. All other students, exclusive of those registered in the graduate school, are classified as third year students and above. Attendance at a six-week summer term counts as one-half of a semester in this classification. Enrollment in any term or semester which is terminated by official withdrawal at any time during the semester shall not be counted in determining his status provided he is making "C" or better in all courses at the time of his withdrawal.

Warning. Each student is responsible for knowing whether he has passed the minimum required work and whether he is eligible to continue in the college. An ineligible student who registers in the college shall be dropped by the Personnel Office, and the student shall not receive special consideration on his plea of lack of knowledge of his scholastic status.

Note. In order that students may know their standing in their several courses, formal quizzes are given at the middle of each semester, and students who are then earning the grade of D or F in any course are given due notice to that effect.

A. SCHOLASTIC PROBATION—Failure of a student to achieve the minimum standard required for his classification at the end of a long-session semester or full 12 weeks summer session puts the student on scholastic probation for the next semester or term.

Minimum Standard Required—To avoid scholastic probation or being dropped from the rolls of the college, the student must meet the following minimum standard of work:

1. First-year students—A first-year student taking twelve or more semester hours must (1) pass at least nine (9) semester hours and (2) earn nine quality points. A first-year student taking fewer than nine semester hours must (1) pass all hours taken and (2) earn as many quality points as hours undertaken.

2. Second-year students—A second-year student taking twelve or more semester hours must (1) pass at least twelve semester hours and (2) earn twelve quality points. A second-year student taking fewer than twelve semester hours must (1) pass all hours taken and (2) earn as many quality points as hours undertaken.

3. Third-year and above—A third-year student or above taking fifteen or more semester hours must (1) pass at least fifteen semester hours and (2) earn 15 quality points. A third-year student
or above taking fewer than fifteen semester hours must (1) pass all hours taken and (2) earn as many quality points as hours undertaken.

NOTE: All courses for which credit may be earned, with the exception of directed teaching, shall be included when quality points are counted. The number of quality points required shall be reduced in proportion to the number of semester hours devoted to directed teaching. For example, a student enrolled for 15 semester hours of which 6 are in directed teaching, shall be required to earn 9 quality points.

B. INELIGIBILITY TO RE-ENROLL

1. Dismissal for failure to achieve minimum standard while on scholastic probation.
   If, at the end of a long-session semester or twelve weeks of summer school during which a student has been on scholastic probation, he fails to achieve the minimum standard required for his classification, he shall be ineligible to register for the following long session or summer session without special permission from the Probation Committee.

2. A student enrolled for 12 or more semester hours during a semester or 12 week summer session who earns fewer than six quality points will be ineligible to register for a subsequent semester or term, unless he obtains special permission from the Probation Committee.

3. Requests for hearing before the Probation Committee: A student who is not eligible to register for the next long session semester or summer term may petition the Probation Committee in writing for a hearing date. Evidence should be presented in the petition which would seem to justify the granting of a hearing.

C. Any case not covered by the above regulations shall be considered on an individual basis at the discretion of the Probation Committee.

NOTE: All students applying for admission to the College who have been refused registration at any other college because of unsatisfactory scholarship will ordinarily be refused registration at the College. Also, any student who is unable to procure a transcript of credit of work absolved in another college previously attended may be refused registration.

CERTIFICATE REQUIREMENTS

Effective September 1, 1955

Teachers in Texas elementary and secondary schools are required by law to hold a valid Texas teacher's certificate for the grade level, specialization area, or position to which they are assigned.

Any person who, prior to September 1, 1955, enrolled in a teacher education program leading to a bachelor's degree in an institution of higher learning approved for teacher education by the State Board of Education, may continue the program and obtain the type certificate to
which the preparation entitled him when his college program was started. These certificates then may be converted to the certificate most comparable under the new certification program.

Any person enrolling for the first time, subsequent to September 1, 1955, in a program of teacher education at an institution of higher learning approved for teacher education by the State Board of Education, may become eligible for either of two types of valid teacher's certificates: the Provisional Certificate and the Professional Certificate. Each certificate will show on its face all the specialization areas in which the certificate holder has qualified at the time of issue. Both certificates are valid for life unless cancelled by lawful authority.

Provisional Certificate. To be eligible for the Provisional Certificate the applicant must meet the following requirements:

1. Hold a bachelor's degree from and be recommended by an institution of higher learning approved for teacher education by the State Board of Education.

2. For Vocational Trade and Industrial or Distributive Education, three years of recent work experience in the occupational field designated on the face of the certificate.

3. For Driver Education designation, the following additional requirements shall be met:
   a. Hold a valid Texas driver's license.
   b. Have a safe driving record.
   c. Have a broad background of experience in driving.

4. Have completed one or more of the approved programs in the following areas of specialization:
   Elementary, grades 1-8 (includes kindergarten and grade 9 of junior high schools)
   Junior High, grades 6-10
   Secondary, grades 7-12
   Special Subjects, all grades: Art, Health and Physical Education, Music, Speech-Drama

Areas approved in the Minimum Foundation Program Act:
   Librarian, Teachers of Exceptional Children (blind, physically handicapped, deaf, retarded, speech correction), Vocational Agriculture Education, Vocational Distributive Education, Vocational Homemaking Education, Vocational Trade and Industrial Education.

   (Driver Education designations shall be in addition to one of the above teacher designations.)

5. Be of good moral character.

6. Be a citizen, or in the process of becoming a naturalized citizen, of the United States.
7. Believe in and uphold the Constitutions of the United States and the State of Texas.

8. Have completed in a Texas institution of higher learning, a course or courses in which the Constitution of the United States and of the State of Texas have been given special emphasis.

9. Have completed at least six semester hours in American History, or three semester hours of American History plus three semester hours of Texas History.

10. Pay an application fee of $2.00.

Approved programs leading to the Provisional Certificate are offered by the College in the following areas:

- Elementary
- High School
- Mentally Retarded
- Speech Correction
- Deficient Hearing
- Vocational Agriculture Education
- Vocational Homemaking Education
- Art—All Level
- Music—All Level
- Health and Physical Education—All Level
- Driver Education

Professional Certificate. To be eligible for the Professional Certificate the applicant must meet the following requirements:

1. Have completed an approved program of at least 30 semester hours of graduate level work beyond the bachelor's degree requirements at an institution of higher learning approved for graduate teacher education by the State Board of Education.

2. Have had three years of teaching experience.

Students interested in pursuing a program leading to the Professional Certificate should consult with the Registrar in reference to the specific requirements obtaining as they affect them.

The certificate requirements are set forth in detail in Bulletin No. 573, 1955, issued by the Texas Education Agency. It sets forth certain exceptions that obtain in the instance of the requirements for the Provisional Certificate to teach Vocational Trade and Industrial courses and for a teacher's certificate valid in the specialization area of the school nurse.

Approved programs leading to the Professional Certificate are offered by the College in the following areas:
Elementary
High School
Mentally Retarded
Speech Correction
Vocational Agriculture Education
Vocational Homemaking Education
Principal
Counselor
Health and Physical Education—All Level
Music—All Level

Note: The above certificate requirements are subject to changes which may be made by the State Board of Education to become effective September 1, 1962.

THE COLLEGE CURRICULA

It should be recognized that any college which has for its major purpose the professional education of teachers on all levels, should have clearly defined aims and purposes to control and limit its offerings. Although the Southwest Texas State College has for its primary aim, the preparation of teachers, and its administrative organization and curricula have been designed with the needs of the profession of teaching in mind, it has become necessary that this college serve persons other than those preparing to teach. Consequently, it has organized curricula designed (a) to lead to baccalaureate degrees intended for those who do not intend to teach and (b) to give pre-professional training for the various professions.

In general, each curriculum emphasizes first, a cultural background which includes courses in the major fields of human knowledge, these designed to give a general cultural background during and after which specialized preparation is begun; second, specialized fields, usually termed majors and minors in which the student selects an area of subject matter in which he has a particular interest or aptitude.

Cultural Background. All persons should be familiar with the nature of present-day society in order that they may be prepared to analyze and solve contemporary problems. A person, to be able to solve the recurring problems of everyday life, should have an appreciation and understanding of the broad fields of human knowledge which we usually classify as the humanities, of the social sciences, of the pure sciences, and of the arts. Approximately one-half of the courses pursued are taken in these four large areas. In addition, the person who is a candidate for a teaching certificate must include in his program certain courses designed to give understanding of the problems of childhood and youth. It is the belief of the college staff that the student should have this background to assure to him that depth and breadth of information needed for perspective and good judgment.
These basic courses, required of all students, are so arranged that specialization is cumulative and progressive, insuring greater unity in any curriculum chosen. Since the aim of courses commonly known as cultural background are designed to give better understanding of the problems of contemporary life, the student, after such study, is able to decide which areas have the greatest appeal to him for intensified study, and which profession or vocation he should follow.

Specialized Fields. All college policies governing the academic preparation of professional workers require that a thorough command of subject matter be attained in the field or fields chosen as their majors and minors. Particularly important is it that the teacher's knowledge be comprehensive and thorough. Superior scholarship must be one of the primary considerations.

In the strictly professional areas and in the pre-professional courses specialization is dominated by the requirements of the profession which the student chooses to follow. To satisfy the requirements for a major, the student must complete from twenty-four to thirty-two semester hours of work in the field of his choice. The student, in order to gain the most, should be careful and purposeful in the selection of majors and minors and of courses in order that the needs and requirements of the profession he expects eventually to follow will be met.

Reading. Courses in reading are taught under the auspices of the Personnel Division. The program includes activities that could be classified as remedial, development or improvement, depending on the specific needs of the participating students as indicated by diagnostic tests. The aim in these courses is improvement in the rate of comprehension developed through the use of a variety of printed materials and the use of mechanical instruments. Classes are scheduled to meet for a fifty minute period three times a week. No homework, as such, is assigned; rather, the students are encouraged to utilize the reading skills and study habits discussed in the reading program in their day-to-day reading activities.

Assistant Professor Shepherd, Director; Associate Professor McCanne

13. Reading I. Credit, 1 hour. To aid freshmen who lack sound reading and study habits as evidenced by scores on diagnostic tests. Practice opportunities will be given in the development of the following skills: word recognition, vocabulary development, rate of comprehension and effective study habits.

15. Reading II. Credit, 1 hour. For students of freshman and sophomore rank who, though not adjudged deficient in reading and study habits, desire to read faster and more efficiently. Training will emphasize rate of comprehension, reading for main ideas, discerning the author's outline, reading to draw conclusions, techniques of improving vocabulary, and adjusting reading rate to the task.

101. Reading III. Credit, 1 hour. This course is designed for students of junior, senior, and graduate rank who wish to increase their ability to read competently. The objectives will be not only the acquisition of new reading skills, the techniques for increasing vocabulary and rate of com-
prehension, but the application of these skills to all types of reading, including critical reading.

**GRADUATION REQUIREMENTS IN GENERAL EDUCATION**

*(Academic Foundations)*

All candidates for graduation with the bachelor's degree are required to offer toward graduation approximately two years of work in General Education—courses affording "common backgrounds and foundations of our social and cultural heritage"—distributed as follows:

I. **SOCIAL SCIENCES**, 12 semester hours:
   - History 31, 32. *History of America* (3-0). Credit, 3 hours each.

II. **HUMANITIES**, 10 semester hours:
   A. **LITERATURE**, 6 semester hours:
      - English 61, 62. *Sophomore Literature*. (3-0). Credit, 3 hours each; or
      - English 63, 64. *World Literature*. (3-0). Credit, 3 hours each; or
      - English 67, 68. *Masterpieces*. (3-0). Credit, 3 hours each.
   B. **The Arts**, 2 semester hours:
      - Humanities 113, *Interrelationships of the Arts I*. (2-2). Credit, 2 hours. The purpose of this course is to introduce students to representative achievements in the visual arts, music, and drama; to teach them what to look for in such humanistic works; to enable them to analyze and to appreciate the interrelationship of the individual works they examine and to make intelligent and sensitive judgments concerning them.
   C. **Philosophy or Religion or Bible**, 2 semester hours:
      - Humanities 101. *Philosophies Men Live By*. (2-0). Credit, 2 hours. In this course the great philosophical concepts which through the years have challenged the best thoughts of men and have contributed to the fulfillment of the good life will be examined. Emphasis will be placed upon the applicability of those concepts to human life in our time and to the development of intellectual perspective; or
      - Any course in Religion or Bible offered by a Bible Chair with the endorsement of the college.

III. **From two of the following (at least 12 hours):** science, mathematics, foreign language.
IV. COMMUNICATIONS, 9 semester hours:

   English 11, 12. Reading and Writing. (3-0). Credit, 3 hours each.

V. HEALTH AND PHYSICAL WELL-BEING, 4 semester hours.

VI. OTHER COURSES, to make the required amount, selected from the
arts, sciences, humanities, fine arts, or electives as permitted in the
several curricula.

Additional courses in Humanities:

   Humanities 102. Great Movements of Thought. (2-0). Credit, 2 hours. In this course great movements of thought will be examined which have taken the form of religious, scientific, or philosophical statements. Emphasis will be given to those ideals that prevail in our time and our world today more than to purely historical systems. There will be strong emphasis on value judgments and the development of a personal philosophy which will best serve the individual's needs in the contemporary world.

   Prerequisite: Humanities 101 with a grade of A or B and approval
   of the instructor.

   Humanities 115. The Interrelationships of the Arts II. (2-2). Credit, 2 hours. The purpose of this course is to provide the student with opportunities to experiment in the visual arts, music, and drama so that he may recognize the creative process in himself and develop the ability to make intelligent and sensitive judgment of the humanistic work found in these arts.

   Humanities 117. Contemporary Living, (2-2). Credit, 2 hours. This course is an integration of the practical arts: Art, Home Economics, and Industrial Arts. It is developed around the facets of the home, and is designed to develop the practical aspects of one's general education.

   Other courses as approved by the Dean of the College.

EXPERIMENTAL HONORS PROGRAM

The Experimental Honors Program has been introduced into the curriculum for the benefit of the more capable students. The two purposes constituting the basis of the program are, first, to improve instruction for superior students and, second, to make it possible for superior students to graduate in less than the usual time requirement. The first purpose is implemented annually by the selection of a limited number of superior students who are assigned to special class sections where more advanced work is done and more independence on the part of students is encouraged.
The second purpose is achieved by Advanced Standing Examinations for credit which will permit the student, by passing an examination with an established minimum mark, to receive full academic credit for the course covered by the examination. Regulations governing this part of the program provide (1) that not more than six semester hours of credit may be earned through examinations in one department nor more than fifteen semester hours in all departments, (2) that each department of the college will determine the courses in that department in which examinations will be given, (3) that a non-refundable fee of $5.00 will be charged for each permit to take an examination, and (4) that similar credit earned on other accredited institutions will be honored for transfer provided the transferring student validates the credit locally by the completion of one higher level course in the same department with a minimum mark of "C" or by the completion of an examination under local supervision of the course or courses with maximum satisfactory grades as established by the department.

The student legislative body, the Student Senate, takes a vote
CURRICULUM FOR ELEMENTARY TEACHERS LEADING TO THE
DEGREE OF BACHELOR OF SCIENCE IN EDUCATION

Two plans for the preparation of elementary teachers are available
with the only difference in them being the selection of two specializations
(minors) under Plan I or one specialization and a twelve hour combination
under Plan II. Otherwise the student is responsible for meeting similar
requirements in academic foundations, professional education, and institu­
tional courses.

Notes:

1. One hundred twenty-eight (128) hours are required with at least
forty (40) hours advanced.

2. Thirty-six (36) hours in the specialization area are required from
either Plan I or Plan II.

3. Speech 13 and Mathematics 11 should usually be taken as a pair in
alternate semesters, in either order; Art 13 and Music 11 similarly.
Either pair might be postponed until the sophomore year.

4. The description of the specific education courses and their sequence
will be described in future catalogues.

5. A student looking forward to doing graduate work would do well
to plan his specializations and electives to that end. Usually a
minimum of 24 hours are required as prerequisite to graduate
courses.

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<thead>
<tr>
<th>Freshman Year</th>
<th>Hours</th>
<th>Sophomore Year</th>
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<tr>
<td>Music 11</td>
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32-35

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<td>Art 123</td>
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<td>Health Education 175</td>
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<td>30-33</td>
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<tr>
<td>(or Bible), 113</td>
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</tbody>
</table>

31
PLAN I

A. Choose one subject for specialization from this group:
   1. Art 13 (or 14), 21, 63 (or 54), 121, 127, 183.
   2. Biology 11, 12 (or 61, 62); General Science 111, 112; Biology 115, 251.
   3. English 11, 12, 63, 64, 117, 121, 127 (or 129).
   5. Physical Education (women): Introduction to P.E., 45, 115, 136, 214, and 5 hours of activities.
   7. History 11, 12 (or 141, 142), 31, 32, 121, 143 (or 100 plus).
   8. Mathematics 13, 17, 63, and three advanced courses.
   9. Music 12, 107, 137, 139, 143, and one advanced course; ensemble or applied music, 3 hours; (or) 251, 253; distribution of work to be made according to individual's background and need.
   10. Spanish 15, 71, 72, and three advanced courses.
   11. Speech 13 (or 15), 18, 149, 157, 273 (Corrective), 285 (Corrective).

B. Choose also one group in which courses do not overlap any in part A.
   1. Language Arts: English 117, 121, 127 (or 129); Speech 149, 157, 273, (Corrective).
   2. Science and Mathematics: Mathematics 13, 17; Biology 11, 12, 115, 251.
   3. Social Studies: Geography 13, 108, 109; Sociology 67; and two courses from History 121, 144, 191, 141, 142.
   4. Fine Arts: three music courses and three art courses.
   5. Crafts: Art 37, 63, 127, 165; Industrial Arts 33, 159.
   6. Health and Home Economics: three health education courses and three home economics courses.

PLAN II

A. Choose one specialization of 24 hours:
   1. Art 13 (or 14), 21, 54, 63, (or 59), 110, 121, 127, 183.
   2. Biology 11, 12; 61, 62 (or 112, 113); General Science 111, 112, Biology 115, 251 (or 221, 222).
   3. English 11, 12, 63, 64, 117, 121, 127 (or 129), and one advanced course.
   4. History 11, 12 (or 141, 142), 31, 32, 121, 143, and two advanced courses.
   5. Mathematics 11, 13, 17, 63, 111, 112, 115, and one advanced course.
   6. Music 12, 61, 62, 107, 137, 139, 143, and one advanced course; ensemble and applied music, three hours (or 251, 253); work to be distributed to fit individual's background and needs.
   7. Physical Education (women): 45, 47, 136, 137, 149, 155, 214,
and 6 hours of activities; Biology 51, 52.
8. Spanish 13, 15, 71, 72, and four advanced courses.
9. Speech 13, (or 15), 18, 57, 149, 157, 273 (Corrective), 287 (Corrective).

B. Choose also four courses not included in the above specialization:
   Geography 13, 108; Sociology 67; English 117, 121; Speech 151; Speech (Corrective) 273, 285; and Industrial Arts 159.

CURRICULUM FOR SPEECH AND HEARING THERAPISTS
LEADING TO THE DEGREE OF SCIENCE IN EDUCATION
(128 hours; includes certificate)

Notes:
1. One hundred twenty-eight hours are required with at least 40 advanced.
2. To complete his academic specialization the student will select 12 hours from Part B of the Elementary Plan II, with no overlapping in course work.
3. The required academic specialization totals 48 hours including 24 hours in Speech and Hearing (Corrective), 12 hours from Part B of the Elementary Plan II, and English 135, Art 123, Mathematics 200, and Health Education 175.
4. Speech (Corrective) courses are listed under the Speech Department.
5. On completion of the course of study as outlined the student will be entitled to receive a provisional certificate in the area of Speech Correction and also a provisional certificate to teach in the elementary school of the state (grade 1-8), in kindergarten and in grade 9 of the junior high schools provided (a) that the Directed Teaching required for certification must be done in the elementary grades in an area or areas other than Speech Correction and (b) that the student meet also the legal provisions for certification.

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<th>Freshman Year</th>
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<th>Sophomore Year</th>
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<tbody>
<tr>
<td>Speech (Corrective)</td>
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<td>English 63, 64</td>
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<td>History 31, 32</td>
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<td>Government 61, 62</td>
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<td>Art 13</td>
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<td>Music 11</td>
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<td>Electives</td>
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<tr>
<td>Physical education activities</td>
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<td></td>
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</table>

32
CURRICULUM FOR SECONDARY SCHOOL TEACHERS LEADING TO
THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION
(128 semester hours with 40 advanced)

Freshman year: English 11, 12; History 31, 32; Speech 13; 14 semester hours selected from two of these areas: science, mathematics, foreign language; physical education activities, two semester hours; and other subjects to total 32-34 semester hours for the year.

Sophomore year: English 61, 62 or 63, 64 or 67, 68; Government 61, 62; major (first teaching field) and minor (second teaching field) courses as required; science, mathematics, or foreign language requirements not completed; physical education activities, two semester hours; other subjects to total 32-34 semester hours.

Junior year: Major (first teaching field) and minor (second teaching field) as required; Humanities 101 (or Bible), 113; Education, six semester hours; other subjects to total 32 semester hours.

Senior year: Major (first teaching field) and minor (second teaching field) courses as required; Education, 12 semester hours advanced, including 291, 292; elective courses to total 128 semester hours required for graduation.

The courses making up the teaching major (first field) may be selected from any of the following fields: art, biology, business administration, chemistry, English, German, journalism, mathematics, music, physical education, physics, social science, Spanish, speech.

The courses making up the teaching minor (second field) may be selected from any of the fields authorized for a teaching major or in French, agriculture, home economics, or industrial arts.

Majors and minors should be selected during the sophomore year with the advice of the head of the department in which the student elects to major, subject to final approval by the Dean of the College.
The above curriculum meets requirements, effective for students entering in September, 1962, and thereafter, for secondary school certification known as Plan I, wherein the student qualifies for two teaching fields. Plan II, a composite arrangement involving several areas, is offered by some departments. Certification is in one field only. To understand the difference students should consult with department heads, the Registrar, or the Dean of the College, or study closely the departmental offerings in the catalogue.

Plan III is preparation for teaching in one subject only with the following departments eligible: agriculture, business administration, home economics, industrial arts, music. Information is available from department heads on Plan III, which in most cases will carry a different degree from the Bachelor of Science in Education.

**CURRICULUM FOR THE BACHELOR OF ARTS DEGREE**

*(128 semester hours with 40 advanced)*

Fresman year: English 11, 12; History 31, 32; Speech 13; Mathematics 11; Biology 11, 12; physical education activities, two semester hours; and other subjects to total 32-34 semester hours for the year.

Sophomore year: English 61, 62 or 63, 64 or 67, 68; Government 61, 62; Chemistry or Physics 11, 12; foreign language 13 (or two high school units in the language), 15; physical education activities, two semester hours; and other subjects to total 32-34 semester hours for the year.

Junior year: Major and minor courses as required; foreign language 71, 72; Humanities 101 (or Bible), 113; and other courses to total 32 hours.

Senior year: Major, minor, and elective courses to make the total of 128 semester hours required for graduation.

Majors and minors may be selected from art, business administration, economics, English, geography, German, government, history, journalism, mathematics, music, health and physical education (as a teaching major), sociology, Spanish, speech. Industrial arts may be used as a minor.

Students seeking a certificate with this degree must meet all requirements for certification.

**CURRICULUM FOR THE BACHELOR OF SCIENCE DEGREE**

*(128 semester hours with 40 advanced)*

Majors and minors may be selected from biology, chemistry, physics, and mathematics, provided that if the major is mathematics, the minor
must be biology, chemistry, or physics. Industrial arts may be used as a minor except with a major in mathematics.

Freshman year: English 11, 12; History 31, 32; Speech 13; Mathematics 11; Biology 11, 12; physical education activities, two semester hours; and other subjects (see catalogue requirements for the major and minor) to total 32-34 semester hours.

Sophomore year: English 61, 62 or 63, 64 or 67, 68; Government 61, 62; Chemistry or Physics 11, 12; foreign language, two courses represented by 13 (or two high school units in the language), 15, or another course as required; physical education activities, two semester hours; and other subjects to total 32-34 semester hours.

Junior year: Major and minor courses as required; Humanities 101 (or Bible), 113; and other courses to total 32 semester hours.

Senior year: Major, minor, and elective courses to make the total of 128 semester hours required for graduation.

Students seeking a certificate with this degree must meet all requirements for certification.

**CURRICULA LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN HOME ECONOMICS**

There are two curricula for teachers leading to the degree of Bachelor of Science in Home Economics, namely:

1. The teacher education curriculum prescribed for those who wish to qualify to teach homemaking in Texas high schools.

2. The Home Economics curriculum designed for those who wish to teach in the non-vocational departments. See Home Economics department for description.

Satisfactory completion of the course of study outlined under the Teach Education curriculum leads to the provisional certificate at the secondary level and to the homemaking certificate, commonly, though erroneously, referred to as "The Smith-Hughes Certificate."

Completion of the course of study outlined under the General Home Economics Curriculum leads to the Bachelor of Science in Home Economics Degree but does not qualify the graduate to teach in the public schools.
**CURRICULUM**

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<tr>
<th>Fresman Year</th>
<th>Hours</th>
<th>Sophomore Year</th>
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<td>Chemistry 77</td>
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<td>History 31, 32</td>
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<td>Biology 63</td>
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<td>Chemistry 13</td>
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<td>Art 17 or 73</td>
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<td>Foreign Language 13, 15</td>
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<td>Government 61, 62</td>
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<td>Humanities 101</td>
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<td>(or Bible), 113</td>
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**GENERAL HOMEMAKING CURRICULUM**

This curriculum differs from the Vocational Teacher Education Curriculum in that a minor is required. If the minor is Biology, Biology 11 and 12 must be taken instead of Biology 13; if the minor is Chemistry, Chemistry 11 and 12 must be taken instead of Chemistry 13. If the minor is neither biology nor chemistry, the curriculum is the same until the junior year. The 12 semester hours of home economics education listed above are not required and one advanced course in home economics may be omitted. A student planning to follow a General Home Economics Curriculum should do so after consultation with the department heads concerned.

Advanced semester hours must total 40 or more.

**CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF**

**SCIENCE IN INDUSTRIAL ARTS**

(128 semester hours; includes certificate)

**Notes:**

1. This is Plan III of the Texas Education Agency with certification in Industrial Arts only, in which area 48 hours are required.
2. No minor is required.

3. Fourteen (14) hours minimum are required in two of the following: science, mathematics, foreign language.

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<tr>
<th>Freshman Year</th>
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<th>Sophomore Year</th>
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**GENERAL INDUSTRIAL ARTS PROGRAM**

Notes:

1. Major requirement is 48 semester hours.
2. No minor is required
CURRICULUM

Junior Year

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<tr>
<td>32</td>
<td>27</td>
<td></td>
</tr>
</tbody>
</table>

CURRICULUM LEADING TO THE DEGREE OF
BACHELOR OF SCIENCE IN AGRICULTURE

Notes:
1. This is the Teacher Education program.
2. Fifty-four (54) hours in technical agriculture must be completed.

Freshman Year

<table>
<thead>
<tr>
<th>Hours</th>
<th>Sophomore Year</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Agriculture 67, 73, 79, 83 13</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>English 67, 68 6</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Government 61, 62 6</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Chemistry 11, 12 8</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Physical education activities 2</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>35</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>35</td>
<td></td>
</tr>
</tbody>
</table>

Junior Year

<table>
<thead>
<tr>
<th>Hours</th>
<th>Senior Year</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td>Agriculture 111, 214, or 215 4</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Agriculture electives, including</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>one plant science and one</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>animal science 12</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Humanities 101</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>(or Bible), 113 4</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Agriculture education 6</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Directed teaching in</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>agriculture 6</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>32</td>
<td></td>
</tr>
</tbody>
</table>
GENERAL AGRICULTURE
(128 semester hours)

Notes:
1. Not more than 48 hours of agriculture may apply towards the degree.
2. This program has no certificate.

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Hours</th>
<th>Sophomore Year</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture 13, 33, 45</td>
<td>9</td>
<td>Agriculture 67, 83,</td>
<td>9</td>
</tr>
<tr>
<td>English 11, 12</td>
<td>6</td>
<td>and elective</td>
<td></td>
</tr>
<tr>
<td>History 31, 32</td>
<td>6</td>
<td>English 67, 68 (recommended)</td>
<td>6</td>
</tr>
<tr>
<td>Biology 11, 12</td>
<td>8</td>
<td>Government 61, 62</td>
<td>6</td>
</tr>
<tr>
<td>Speech 13</td>
<td>3</td>
<td>Chemistry 11, 12</td>
<td>8</td>
</tr>
<tr>
<td>Physical education activities</td>
<td>2</td>
<td>Mathematics 11</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical education activities</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>34</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year</th>
<th>Hours</th>
<th>Senior Year</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture</td>
<td></td>
<td>Agriculture 154, 214 or 215</td>
<td>5</td>
</tr>
<tr>
<td>117, 151, 125, 126</td>
<td>13</td>
<td>Electives</td>
<td></td>
</tr>
<tr>
<td>Biology 113, 115</td>
<td>6</td>
<td>at least 12 advanced</td>
<td>25</td>
</tr>
<tr>
<td>Humanities 101</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(or Bible), 113</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>7</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>30</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CURRICULUM LEADING TO THE DEGREE OF
BACHELOR OF MUSIC EDUCATION
(128 hours; includes certificate)

Teaching Education Program

Notes:
1. The music major requires 48 semester hours as a minimum.
2. No minor is required.
<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Hours</th>
<th>Sophomore Year</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester I</strong></td>
<td></td>
<td><strong>Semester I</strong></td>
<td></td>
</tr>
<tr>
<td>Music 1</td>
<td>1</td>
<td>Music 61</td>
<td>3</td>
</tr>
<tr>
<td>Music 11</td>
<td>3</td>
<td>Music, Primary Area</td>
<td>1</td>
</tr>
<tr>
<td>Music Primary Area (Piano, Voice or Instrument)</td>
<td>1</td>
<td>Music, Secondary Area</td>
<td>1</td>
</tr>
<tr>
<td>Music, Secondary Area</td>
<td>1</td>
<td>Ensemble 5</td>
<td>1</td>
</tr>
<tr>
<td>Ensemble 1</td>
<td>1</td>
<td>Speech 13</td>
<td>3</td>
</tr>
<tr>
<td>English 11</td>
<td>3</td>
<td>English (Literature)</td>
<td>3</td>
</tr>
<tr>
<td>History 31</td>
<td>3</td>
<td>Math, Science, or Foreign Language</td>
<td>3-4</td>
</tr>
<tr>
<td>Mathematics, Science, Foreign Language</td>
<td>3-4</td>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
<td>17-18</td>
<td></td>
</tr>
</tbody>
</table>

| **Semester II** |       | **Semester II** |       |
| Music 2        | 1     | Music 62       | 3     |
| Music 12       | 3     | Music, Primary Area | 1 |
| Music, Primary Area | 1 | Ensemble 7 | 1 |
| Ensemble 3     | 1     | Electives      | 3     |
| English 12     | 3     | English (Literature) | 3 |
| History 32     | 3     | Math, Science, or Foreign Language | 3-4 |
| Math, Science, or | | Physical Education | 1 |
| Foreign Language | 3-4 | 16-17 | |
| Physical Education | 1 | | |

<table>
<thead>
<tr>
<th><strong>Junior Year</strong></th>
<th><strong>Hours</strong></th>
<th><strong>Senior Year</strong></th>
<th><strong>Hours</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester I</strong></td>
<td></td>
<td><strong>Semester I</strong></td>
<td></td>
</tr>
<tr>
<td>Music 131</td>
<td>2</td>
<td>Music 140 or 141 or 153</td>
<td>3</td>
</tr>
<tr>
<td>Music 137</td>
<td>2</td>
<td>Music, Primary Area</td>
<td>1</td>
</tr>
<tr>
<td>Music 107</td>
<td>2</td>
<td>Music, Secondary Area</td>
<td>1</td>
</tr>
<tr>
<td>Music, Primary Area</td>
<td>1</td>
<td>Music, Advanced</td>
<td>3</td>
</tr>
<tr>
<td>Music, Secondary Area</td>
<td>1</td>
<td>Education</td>
<td>3</td>
</tr>
<tr>
<td>Ensemble</td>
<td>0</td>
<td>Electives</td>
<td>4</td>
</tr>
<tr>
<td>Education</td>
<td>3</td>
<td>Ensemble</td>
<td>0</td>
</tr>
<tr>
<td>Government 61</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Humanities 113</td>
<td>2</td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

|                |           |                |       |
Of the 128 hours of work required for graduation, 40 hours must be advanced.

For all-level certification, that is, to teach music in all twelve grades of the public schools of Texas, the student is required at the time of his graduation with a major in music to exhibit credit earned in Music 143, in one course in elementary education (Education 147, Child Growth and Development, unless given permission to substitute another course for it), and in Education 231, Directed Teaching (Elementary).

A teaching minor may be had with the advice of the Chairman of the Department of Music.

German students receive instruction by television, a new experiment in education.
CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF

BUSINESS ADMINISTRATION

(128 semester hours)

Note: 1. Major is 42 semester hours; a minor is not required.

2. Students who do not have credit for two semester of typewriting in high school will be required to offer credit in Business Administration 23 as part of their graduation requirements. Such students should enroll for Business Administration 23 in the freshman year and defer Speech 13 until the sophomore year.

<table>
<thead>
<tr>
<th>Freshman Year Semester Hours</th>
<th>Sophomore Year Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Administration 21 or 31, 32 or 43, 57</td>
<td>3-6</td>
</tr>
<tr>
<td>English 11, 12</td>
<td>6</td>
</tr>
<tr>
<td>Science</td>
<td>8</td>
</tr>
<tr>
<td>Mathematics 11, 19</td>
<td>6</td>
</tr>
<tr>
<td>History 31, 32</td>
<td>6</td>
</tr>
<tr>
<td>Speech 13</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td><strong>34</strong></td>
<td><strong>34</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year Semester Hours</th>
<th>Senior Year Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Administration 161, 162</td>
<td>6</td>
</tr>
<tr>
<td>Business Administration, (at least 6 hours advanced)</td>
<td>9</td>
</tr>
<tr>
<td>Humanities</td>
<td>4</td>
</tr>
<tr>
<td>Electives</td>
<td>13</td>
</tr>
<tr>
<td><strong>32</strong></td>
<td><strong>28</strong></td>
</tr>
</tbody>
</table>

The student is expected to choose advanced Business Administration courses with the advice and approval of the Head of the Department of Business Administration.

Of the work that the student will be expected to complete during the junior and senior years as a part of the 128 hours required for graduation, 40 hours must be advanced.
CURRICULUM LEADING TO THE DEGREE OF

BACHELOR OF SCIENCE IN COMMERCIAL ART

(128 hours)

Notes:
1. This degree becomes available after September, 1962.
2. Completion of a minor field will be strongly encouraged.
3. The use of electives should be decided only after a conference with the departmental chairman.

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Hours</th>
<th>Sophomore Year</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 10, 14, 21</td>
<td>9</td>
<td>Art 54, 59, 66</td>
<td>8</td>
</tr>
<tr>
<td>Industrial Arts 13</td>
<td>3</td>
<td>Industrial Arts 33</td>
<td>2</td>
</tr>
<tr>
<td>English 11, 12</td>
<td>6</td>
<td>English (Literature)</td>
<td>6</td>
</tr>
<tr>
<td>History 31, 32</td>
<td>6</td>
<td>Government 61, 62</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics 11</td>
<td>3</td>
<td>Science</td>
<td>8</td>
</tr>
<tr>
<td>Speech 13</td>
<td>8</td>
<td>Physical education activities</td>
<td>2</td>
</tr>
<tr>
<td>Physical education activities</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>32</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year</th>
<th>Hours</th>
<th>Senior Year</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 110, 121, 170</td>
<td>9</td>
<td>Art 183, 221, and</td>
<td>12</td>
</tr>
<tr>
<td>Industrial Arts 65, 153</td>
<td>6</td>
<td>6 hours advanced</td>
<td></td>
</tr>
<tr>
<td>Humanities 101</td>
<td>4</td>
<td>Industrial Arts 165, and</td>
<td>6</td>
</tr>
<tr>
<td>(or Bible), 113</td>
<td></td>
<td>3 hours advanced</td>
<td></td>
</tr>
<tr>
<td>Minor courses or electives</td>
<td>13</td>
<td>Minor courses or electives</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>32</td>
<td></td>
<td>32</td>
</tr>
</tbody>
</table>
REQUIREMENTS FOR MINORS (OR SECOND TEACHING FIELDS) OTHER THAN IN ELEMENTARY EDUCATION

AGRICULTURE 24 semester hours, of which 12 are advanced.

ART 24 semester hours, of which 12 are advanced.

BIOLOGY 24 semester hours, of which 12 are advanced; Chemistry 11-12.

BUS. ADMIN 24 semester hours, including Bus. Adm. 21 or 43, 23 or 25, 61, 62, 161, 162 and 6 hours advanced.

CHEMISTRY Chem. 11-12, 61-62, 111-112.

ENGLISH English 11-12, 61-62, 117 or 121, and 9 hours advanced, depending on curriculum.

FOREIGN LANGUAGE 24 semester hours in one language (French, German, or Spanish) including courses 13-15, 71-72, and four advanced courses.

HISTORY 24 semester hours, of which 12 are advanced.

HOME ECONOMICS 24 semester hours, of which 12 are advanced.

INDUSTRIAL ARTS 24 semester hours, of which 12 are advanced. Include I.A. 17, 21, 127 and five elective courses.

JOURNALISM 24 semester hours, of which 12 are advanced.

MATHEMATICS Math. 11, 13, 17, 63, 111, 112. Add 123 if not taking a certificate. Add 115 and 204 if taking a certificate. Add 15 if solid geometry not taken in high school.

MUSIC 24 semester hours, including Mus. 11, 12, 61, 137, 139, 107, and 6 hours advanced; three hours of applied music.

PHYSICS 24 semester hours of physics of which 12 are advanced; mathematics courses through the calculus.

PHYS. ED. (men) 24 semester hours including P.E. 41 or 42, 54, 101 or 191 or 192, and 9 hours from 111, 113, 117, 251; 6 hours of activities.

PHYS. ED. (women) 24 semester hours including P.E. 109, 110, 149, 214 and electives; Health Education 24; 8 hours of activities.

SPEECH 24 semester hours, of which 12 are advanced.
Prior to the selection of courses in his minor, the student should consult with the appropriate departmental chairman.

PRE-PROFESSIONAL CURRICULA

Students intending to prepare for the study of medicine, law, dentistry, or nursing should enroll under the Bachelor of Arts or Bachelor of Science degree as suggested by advisors, whose names may be secured from the Office of the Registrar. Prior to each registration, any student enrolled in a pre-professional course should consult with his advisor.

**Medicine:** Effective September, 1960, medical schools will require the appropriate baccalaureate degree for entrance. A suggested program which will satisfy the pre-medical requirements is as follows: Chemistry 11, 12, 61, 111, 112; Biology 11, 12, 61, 62, 119, and any one or more of the following courses: Biology 111, 112, 115; Physics 11, 12; English 11, 12, 61, 62; Mathematics 11, 13, 17 or Mathematics 63 in lieu of Mathematics 17 if trigonometry has been completed in high school; Government 61, 62; History 31, 32; Physical Education Activities, four semester hours.

**Dentistry:** Most dental schools require two years of college work for entrance; however, many of the students accepted into dental schools have more work than this. Included in the required course for dental school are the following: Chemistry 11, 12, 111, 112; Biology 11, 12, 61, 62, 119 and any one or more of the following courses: Biology 111, 112, 115; Physics 11, 12; English 11, 12. It is recommended that students complete in addition to the above courses English 61, 62; Mathematics 11, 13, 17 (or Mathematics 63 in lieu of Mathematics 17 if trigonometry has been completed in high school); Chemistry 61; Government 61, 62; History 31, 32; Physical Education Activities, four semester hours; electives to make a total of 64 semester hours.

**Nursing:** The following course of study is basic to Nursing: English 11, 12, 61, 62 or 63, 64 or 67, 68; Biology 11, 12; Chemistry 11, 12; History 31, 32; Government 61, 62, Sociology 67; Education 53; electives, 8 semester hours; Physical Education Activities, 4 semester hours.

Registered nurses who desire to pursue the baccalaureate degree for teaching purposes will find, upon consulting the Registrar's Office, that between 50 and 65 semester hours of credit may ordinarily be obtained when the nursing credits have been evaluated.

**Law:** Recommended pre-law programs (patterned after that of the University of Texas): English 11, 12 and 61, 62 or 67, 68; Speech 13; courses 13, 15, 71, 72 in a foreign language; mathematics, six semester
hours; Biology 11, 12; Chemistry (or Physics) 11, 12; social science, 36
semester hours including History 31, 32, 71, 72; Government 61, 62;
Economics 67, and at least 15 semester hours of advanced social science;
physical education activities, four semester hours; sufficient electives to
make a total of 100 semester hours of pre-law work of which at least 24
semester hours must be advanced.

Combination Degree. Upon the successful completion of at least 96
semester hours of prescribed work in this institution, a student who has
been subsequently certified by the dean of an approved school of law,
medicine, or dentistry as having completed one year of work in that
institution, may be granted the appropriate baccalaureate degree by South-
west Texas State College. The student is expected to meet all catalogue
requirements for the degree. The minimum amount of residence work
must be the last thirty of the 96 semester hours mentioned above.

Engineering: Because of the diversity of choices of curricula open to
students in the field of Engineering, pre-engineering students should, from
the time they first enroll, with the aid of the adviser designated for the
purpose select courses basic to the specific field of engineering in which
they would specialize. The following course of study is basic to the last
two years of work in Engineering as customarily offered by schools
specializing in that field:

Freshman year: English 11, 12 Mathematics 11, 13, 17 (parallel in first
semester); Mathematics 63; Industrial Arts 13, 19; Physical Education
Activities, two semester hours.

Note: Students who do not offer solid geometry for entrance to col-
lege should include in their course Mathematics 15.

Sophomore year: English 68, 83; Mathematics 75, (parallel with 112)
111, 112; Chemistry 11, 12; Physics 15, 63, 67; Physical Education Activ-
ities, two semester hours; other subjects to make a total of 32 semester
hours.

Students enrolling under this curriculum should recognize the addi-
tional load imposed by a field as specialized as Engineering. Thus, to
qualify for unconditional admission to the junior year of a given curricu-
um in Engineering a student may find it necessary also to attend college
for one summer session to absolve certain subject matter specifically
required under it, e.g., American History and American Government.

Mathematics 111 must have been completed or else be in progress
before the student may enroll for Physics 15. It is suggested that students
preparing to do civil, mechanical, electrical, aeronautical, or similar forms
of engineering enroll in the summer session preceding the fall session in
which there is intent to enter, in order to absolve the mathematics re-
quired in the freshman year. Otherwise, it will be impossible for the
student to complete in two regular sessions the courses in pre-engineering
required for entrance to engineering schools.
THE GRADUATE SCHOOL

The Graduate Council

1961-1962

Leland E. Derrick, B.A., M.A., Ph.D., Dean of Graduate Studies
Sidney W. Edwards, B.S., M.A., Ph.D., Biology
Jean A. Smith, B.S., M.S., P.E.D., Health and Physical Education
Archie O. Parks, B.S., M.A., Ph.D., Chemistry
J. Lloyd Rogers, B.S. in Ed., M.A., Ph.D., Education
James Taylor, B.A., M.A., Ph.D., History
Thomas L. Brasher, B.A., M.A., Ph.D., English
William L. Deck, B.S., M.A., Ph.D., Industrial Arts
Ex-Officio:
John Garland Flowers, B.A., M.A., Ph.D., President
Joe H. Wilson, B.A., M.A., Ph.D., Dean of the College
Clem C. Jones, B.A., M.A., Registrar

AUTHORIZED

The establishment of a Graduate School at Southwest Texas State College was authorized by the Board of Regents at its meeting on June 15, 1935. Work leading to the degree of Master of Arts was offered for the first time in the summer session, 1936. The program for the master's degree was inaugurated in response to a growing demand on the part of school authorities and of classroom teachers generally. In 1950 the Board of Regents authorized the granting of the Master of Education degree in addition to that of Master of Arts. The program for each degree is specially designed to stress advanced training for administration and more effective classroom teaching, and to that end provides for majors in the following fields of subject matter: Biology, Chemistry, Education, English, Health and Physical Education, History, Industrial Arts, and Speech and Hearing Therapy.

Other graduate programs available lead to professional certification in the fields of Agricultural Education, Business Education, Home Economics Education, and Music Education.

OBJECTIVES

The purpose of the Graduate School is identical with the main purpose of the undergraduate program of the college; that is, teacher education. The following objectives have been advanced with the view toward completing and broadening the academic and professional preparation received at the undergraduate level:

1. To reinforce and supplement the student's academic and professional equipment always with the view of improving professional efficiency.
2. To familiarize the student with current or recent research in his field, to acquaint him with the techniques of research, to enable him to interpret his own and current research, to derive the significant implications therefrom, and to apply the pertinent findings.

3. To challenge the student intellectually, and to direct him toward the goal of more effective classroom teaching and more alert administrative leadership.

ADMINISTRATION

The Administration of the Graduate School is entrusted to the Graduate Council appointed each year by the President. The President, the Dean of the College, and the Registrar are ex-officio members of the Council.

ADMISSION TO GRADUATE STUDY

1. A. Degree Valid for entrance: Graduates of Southwest Texas State College and of colleges or universities belonging to the American Association of Colleges for Teacher Education or to the Southern Association of Colleges and Secondary Schools or comparable regional associations are admitted to graduate study if the student's grades are adjudged to be satisfactory.

B. Examination Valid for entrance: The Miller Analogies Test will be required for entrance of all whose record does not satisfy one of the following conditions: "B" average on major or proposed major, "B" average on advanced work; or "A" and "B" grades on at least one-half of undergraduate work.

To complete entrance requirements, all students who are admitted to the Graduate School must take the Miller Analogies Test, for which a fee of $1.00 is charged, the fee to be collected at the time the examination is given.

2. Graduate Study Versus Candidacy: Admission to graduate study shall not be understood as implying admission to candidacy for the master's degree.

3. Admission by Dean of Graduate Studies: Admission to graduate study is granted by the Dean of Graduate Studies upon the presentation of the proper credentials by the candidate.

4. Transcript: An official transcript of all college work should be forwarded to the Dean of Graduate Studies in advance of the date of enrollment or should be presented at the time of entrance. Registration shall be considered tentative until all transcripts have been examined and approved.
ADMISSION TO CANDIDACY FOR MASTER'S DEGREE

1. Degree Program: The student who expects to become a candidate for the master's degree should confer with the Dean of Graduate Studies about an outline of the proposed degree program. This outline should be made prior to enrollment in the Graduate School.

2. Appointment of Major Professor or Counselor: The chairman of the division in which the student majors will appoint a major professor or counselor. The student should confer with his major professor or counselor as soon as possible after receiving notice of the appointment.

3. Final Approval: A formal application for candidacy for the master's degree, bearing the signature of the major professor, should be made upon completion of twelve to eighteen semester hours of graduate work, provided grades are satisfactory. This application, however, must be made not later than eight weeks prior to the commencement at which the student expects to have the degree conferred.

REQUIREMENTS FOR MASTER'S DEGREE

1. Residence: One-year Requirement: A residence of at least one academic year or its equivalent in summer sessions is required.

2. Credits by Transfer, Extension Study, or Correspondence: Not more than six semester hours obtained in a different but recognized institution may be transferred and credited to the master's degree, provided that the work was of a graduate character, that it is appropriate to the degree program which the student adopts, and that acceptance of the transferred credit does not reduce the minimum residence period of one academic year.

Not more than six semester hours of graduate credit may be earned in extension courses offered by Southwest Texas State College, and such credit may not be applied to reduce on-campus residence.

Not more than a total of nine semester hours may be accepted from extension and transferred credits combined, and acceptance of such credit may not reduce the residence requirement.

No credit toward a graduate degree may be earned through extension courses at another institution or through correspondence study.

3. Student Work Limitation: Students holding full-time teaching positions will not be permitted to receive credit for more than six semester hours during any semester nor more than a total of nine semester hours in two successive semesters. This total of nine hours shall be reduced to six, i.e., to three semester hours per semester, unless the student has an exceptional undergraduate or graduate record.

4. Time Limit: The student will be expected to complete all requirements for the degree within six years from the date of initial matriculation.
as a graduate student. If he fails to do so he may be asked to do additional work to qualify for the degree.

5. Semester's Work: In order to encourage extensive reading, independent thinking, and appropriate individual research, the graduate student shall be encouraged to register for no more than twelve semester hours of work in a semester of eighteen weeks; but in no case may a graduate student enroll for more than fifteen semester hours. Similarly, a professor teaching only graduate work shall be limited to twelve semester hours of classroom instruction or to nine semester hours if he is directing as many as five master's theses.

6. The total study and teaching schedule of the graduate student shall not exceed eighteen hours per week.

7. Credit Limit: Credit for work done in a six— or twelve-week summer session shall not exceed six or twelve semester hours respectively, including the thesis course.

8. The minimum number of hours required for the degree is thirty, the maximum forty-two.

9. Of the hours required at least one-half must be in courses numbered three hundred or above.

10. Ordinarily, except as noted, not more than six hours may be in courses open to juniors. Graduate students enrolled in junior courses for graduate credit shall be required to offer additional work above that required of the undergraduate.

11. Majors in education who apply for the Master of Education degree must include either Education 333 or 343.

12. Undergraduate Major: Ordinarily, an undergraduate major or its equivalent shall be required as a basis for a graduate major in any field. Likewise, an undergraduate minor or its equivalent shall be required as a basis for a graduate minor. Ordinarily, majors in any phase of education who, as undergraduates, did not complete practice teaching will be required to include this course in their program in addition to the regular requirement.

13. A senior who lacks nine or fewer semester hours toward graduation may take courses to be applied toward the master's degree provided the number of semester hours applicable to the master's degree shall not exceed the difference between fifteen semester hours (maximum load) and the number of hours needed for graduation, and provided further that, at the discretion of the Dean of Graduate Studies, students of demonstrated superior scholastic achievement who lack twelve hours for graduation may enroll for three hours of graduate work.

14. Grades in all courses taken for graduate credit must average "B," provided that no grades of "D" shall be valid, and provided further that a grade of "A" must be earned for each grade earned below that of "B," and for each incomplete grade. An "A" grade earned at another institution
may not be used to validate a grade of "C" earned at this college. A student falling two points below a "B" average must secure approval of the Dean of Graduate Studies to continue in the Graduate Division.

15. Thesis: If the student elects to write a thesis, a committee to direct the thesis will be assigned tentatively by the Dean of Graduate Studies in consultation with the student.

A. The thesis must demonstrate the student's capacity for research and independent thought. The completed thesis must be submitted to the chairman of the thesis committee not later than thirty days before the date of the commencement at which the degree is to be conferred; and two copies of the thesis, bearing the signatures of the members of the committee, must be deposited with the Dean of Graduate Studies for final approval not later than fifteen days before the date of the commencement at which the degree is to be conferred.

B. The two copies of the thesis submitted must be bound, or a sum to cover the cost of binding must be deposited with the college before the degree is conferred.

C. The thesis must be submitted in conformity with regulations obtainable at the office of the Dean of Graduate Studies.

D. Credit for the thesis will be recorded as course number 399 in the respective department in which the subject matter of the thesis falls, e.g., Education 399, English 399. A student may not enroll for the thesis course prior to the time that he has been admitted to candidacy for the master's degree. Should he find it impracticable to complete the thesis in the term or semester in which he is enrolled for it, he shall receive the grade of "I" in it with the privilege of redeeming credit for the thesis by completion thereof at any time prior to the time of his graduation. He will not be expected to enroll for the thesis course a second time.

E. All candidates for the master's degree electing to write a thesis as a part of their regular load during any term or semester of residence work must register for the thesis separately not later than the beginning of the term or semester in which they expect to receive the degree.

16. Comprehensive Examination: A comprehensive examination either oral or written or both shall be passed by the candidate, covering at least the field of concentration and the thesis if a thesis is required. A student may not take this comprehensive examination until he has to his credit at least eighteen semester hours of graduate work with satisfactory grades. He must, however, take the examination so that the grade may be in the office of the Dean of Graduate Studies at least ten days prior to the date of the commencement at which the degree is to be conferred. Arrangements for this examination may be made through the office of the major professor or division head.

17. Application for the Degree: The candidate must file application for the degree not later than three weeks preceding the date of the commencement at which the degree is to be conferred.
18. Recommendation for the Degree. Upon completion of all requirements for the master's degree, candidates are certified for graduation by the Dean of Graduate Studies. Degrees are publicly conferred at the close of the fall semester, of the spring semester, and of the summer session.

19. Options: The candidate for the master's degree is offered an option in meeting the above requirements. He may choose to write a thesis or he may omit the thesis and do additional classroom work. Students who write a thesis will earn the Master of Arts degree, and those who omit the thesis will earn the Master of Education degree.

OPTION I.

PROGRAMS LEADING TO THE MASTER OF ARTS DEGREE

Plan A: Thirty semester hour plan

(1) A minimum of thirty semester hours of work selected from courses recognized for graduate credit must be completed, including the six semester hours allowed for the thesis.

(2) Of the thirty hours of work required at least fifteen hours, inclusive of the credit allowed for the thesis, must be in courses numbered three hundred or above.

(3) This degree program must include:

   (a) a major of eighteen semester hours, inclusive of the thesis, and two minors of six semester hours each or one minor of twelve hours, or
   
   (b) a major of twenty-one semester hours, inclusive of the thesis, and a minor of nine hours.

Plan B: Thirty-six semester hour plan

(1) Students who earned their baccalaureate degree in the secondary field and who wish to take their Master of Arts degree in elementary education must do so by completing the prescribed course of study including a minimum of thirty-six semester hours.

(2) This degree program must include:

   (a) a major of eighteen semester hours in elementary education, inclusive of the thesis, and
   
   (b) a minor of eighteen semester hours in professional subject matter.
OPTION II.

PROGRAMS LEADING TO THE MASTER OF EDUCATION DEGREE

Plan A: Thirty-six semester hour plan

(1) If no major change in objective is involved, a student may omit the thesis and earn the Master of Education degree by completing thirty-six hours of graduate work.

(2) This degree program must include:

   (a) a major of twenty-one semester hours, and

   (b) a minor of fifteen semester hours or two minors, one of six hours and one of nine.

Plan B: Forty-two semester hour plan

(1) Students who earned their baccalaureate degree in the secondary field and who wish to do their graduate work in elementary education may omit the thesis and earn the Master of Education degree by completing a prescribed course of study including a maximum of forty-two semester hours of graduate work, provided that this number may be reduced if warranted by elementary work completed by the candidate at the undergraduate level.

(2) This degree program must include:

   (a) a major of twenty-one to twenty-four semester hours in elementary education, and

   (b) a minor of eighteen to twenty-one semester hours.
DIVISIONS OF INSTRUCTION

I. Education and Directed Teaching

II. English, Journalism, and Speech

III. Fine Arts
   1. Art
   2. Music

IV. Foreign Languages
   1. French
   2. German
   3. Spanish

V. Health and Physical Education and Recreation

VI. Practical Arts
   1. Business Administration
   2. Home Economics
   3. Industrial Arts
   4. Library Science

VII. Sciences
   1. Biology
   2. Chemistry
   3. General Science
   4. Mathematics
   5. Physics
   6. Vocational Agriculture

VIII. Social Sciences
   1. History
   2. Economics
   3. Geography
   4. Government
   5. Sociology

IX. Religious Instruction

X. Air Science (Air Force Reserve Officers Training Corps)

The courses offered in each of these Divisions and a description of each course are given in the following pages.

Note: The courses in Reading are taught under the auspices of the Division of Personnel. They are described on pages 77ff. The courses in Humanities are offered inter-departmentally as a part of the program in General Education. They are described on pages 78ff.
I. DIVISION OF EDUCATION AND DIRECTED TEACHING

Professors Rogers, Norwood, Wilson, Williams, McCanne
Professors of Special Education Burgum, Zedler
Associate Professors Allen, Bruce, Richardson, William F. Brown, Stone
Assistant Professors Stewart, Walton, Shepherd, Lane, Jones, Martine
Instructors Doris Brown, Dominguez

Students who intend at the time of graduation to become applicants for certificates to teach will be expected to complete the requirements outlined under the Curriculum for Elementary or for High School Teachers, respectively, leading to the degree of Bachelor of Science in Education or under the appropriate curriculum leading to one of the following degrees: Bachelor of Science in Home Economics, Bachelor of Science in Industrial Arts, Bachelor of Science in Vocational Agriculture, Bachelor of Music Education. Students enrolling under the curriculum leading to the degree of Bachelor of Arts or Bachelor of Science, or Bachelor of Business Administration wishing to qualify at the time of graduation for a permanent High School certificate will be expected to include in their courses of study a teaching major and a teaching minor and the sequence in secondary education called for under the curriculum leading to the degree of Bachelor of Science in Education.

Courses in Education will be taken in the order shown in the outlines for the various curricula. However, approval of candidacy for admission to any course in Education and again for admission to Directed Teaching shall be granted only to those who show evidence of potential professional competence in the following areas:

1. Scholarship ("C" average or higher)
2. Character
3. Personality
4. Physical and Mental Health
5. Intelligence
6. Definite intention to teach

DIRECTED TEACHING

Courses in directed teaching will come, under existing programs, in the senior year, preferably in the first semester.

Students pursuing the elementary curriculum are required to take Education 281 and 282 in a six-hour block. They will do their directed
teaching in grades one to seven, inclusive, or in the kindergarten or nursery school. Those pursuing the secondary curriculum are required to take Education 291 and 292 in a six-hour block. They will do their directed teaching in grades seven to twelve, inclusive. Such six-hour blocks involve a one-half-day assignment for 18 weeks which may be taken from nine to twelve in the morning or from one to four in the afternoon; or a full day assignment for 9 weeks.

In all directed teaching the students study pupils to locate their physical, social, and self-needs as a basis for careful instructional planning. They make and submit lesson plans, make careful preparation in the class being taught, especially emphasizing the organization of the subject matter and the application of method to it. They are expected to prepare each day’s lesson so that at any stage they can take charge of the class and carry on the work, especially during the later stages of their assignment. The amount of independent teaching done by the student teachers will vary with the teaching power developed by the students.

Certain conferences with student teachers are conducted each semester. Some of these conferences are conducted with all student teachers in one assembly, some with departmental groups, and some with individual classroom supervisors. A minimum of one such scheduled conference is conducted each week.

281, 282. Directed Teaching (Elementary). (1-6) Credit, 3 hours each. Courses providing opportunities for observation, participation and directed teaching for elementary curriculum students on the junior and senior levels.

281S. Directed Teaching (Elementary). (7½-0) Credit, 3 hours. This is a course designed to satisfy the requirements of student teaching for employed teachers who find it impossible to do Education 281, 282. It is offered on either of two plans:

(a) When offered in the summer session for experienced teachers, which is the usual arrangement, it consists of research in materials, methods, and child development, and the application of the findings to the teaching assignment of each participant. The actual preparation of curriculum materials is required, along with some observation.

(b) Under some circumstances it is offered for employed teachers as an individual in-service project related to that teacher’s position, and extending through a regular school year. Since in such cases it involves visitation by a college supervisor, this necessitates the payment of a special fee of $50.00 to cover the added costs of supervision.

284. Directed Teaching in Special Education (Elementary). (1-6) Credit, 3 hours. Differentiated according to area of specialization. Observation, participation, and teaching children who are hard of hearing, mentally retarded, or defective in speech.

Prerequisite: Education 281 or 291, or concurrent registration, or approved teaching experience.
291, 292. Directed Teaching (Secondary). (1-6) Credit, 3 hours each. Courses providing opportunities for observation, participation, and directed teaching for students enrolled in the curriculum for high school teachers. Education 291 and 292 are required simultaneously of candidates for the permanent high school certificate, except in the instance of those eligible to enroll for Education 291S.

291S. Directed Teaching (Secondary). (7½-0) Credit, 3 hours. See Education 281S for description of this course.

294. Directed Teaching in Special Education (Secondary). (1-6) Credit, 3 hours. A course paralleling Education 284 for those doing their directed teaching at secondary level.

Prerequisite: Education 281 or 291, or concurrent registration, or approved teaching experience.

COURSES IN EDUCATION

Students other than beginning freshmen will follow the 24 semester-hour sequence prescribed in the catalogue under which they enrolled. Freshmen enrolling in September 1962 and thereafter will be required to complete only 18 semester hours, including 6 semester hours in directed teaching.

The courses to be included in the 12-hour sequence which will be required of them at the junior and senior levels are not included below, but will be outlined in future catalogues.

Many courses listed below will be discontinued as currently enrolled students complete those required, and will be replaced by the new courses.

53. General Psychology. (3-0) Credit, 3 hours. A course dealing with the foundation laws and principles of living and learning. The following topics receive attention: motivation, emotions, the senses, observation, learning, thinking, personality problems, intelligence, and the form and functions of the nervous system. Psychological principles are applied to personality, vocational problems, adjustments, getting along with people, and social problems.

67. Introduction to the Study of Education. (3-0) Credit, 3 hours. The purpose of this course is to give the student a general insight into the profession of teaching so that he may decide (1) if he wants to teach and (2) for what level he wants to prepare. Among the topics considered are the history and philosophy of the public schools in Europe and America, the opportunities and responsibilities offered in teaching, the preparation required, the personal and physical traits needed, the remuneration and retirement provisions, the ethics of teaching, and evaluation techniques. Observations on both the elementary and the secondary levels are required.
120. The Education of Exceptional Children. (3-0) Credit, 3 hours. A survey course designed to orient students to the program and problems related to the education of handicapped and gifted children. Consideration is given to the problems of the blind, the partially seeing, the deaf, hard of hearing, the crippled child, the child with lower vitality, the speech defective, the nervous child, and the child with a mental or social handicap. Current programs of special education are presented and visits are made to institutions located within the vicinity of San Marcos.

121. Curriculum Development in the Elementary School. (3-0). Credit, 3 hours. A course dealing with the basic principles of curriculum development and with the various plans of curriculum organization. Special emphasis is placed upon the selections and organization of materials for the various elementary subject matter areas.

123. Methods and Observation in the Elementary School. (3-2) Credit, 3 hours. This course provides information and background in the principles underlying the selection and organization of learning experiences for the elementary school. Methods and materials are discussed in the areas of Social Studies, Health, Science, Language Arts, Arithmetic, Creative Arts, and Evaluation. Opportunity is provided for observation and participation in the laboratory school as they are related to the topics under discussion.

140. Education of the Physically Handicapped. (3-0) Credit, 3 hours. A course in basic principles and methods for teaching physically handicapped children; prerequisite to laboratory courses in teaching the orthopedically handicapped.

147. Child Growth and Development. (3-0) Credit, 3 hours. This course deals with basic concepts of human development and behavior with particular reference to the physical, social, and self aspects of development. Direct study of children in the laboratory school supplements the class discussions.

148. Human Growth and Development I. (3-0) Credit 3 hours. See Education 348 for description of this course.

149. Human Growth and Development II. (3-0) Credit 3 hours. See Education 349 for description of this course.

157. Adolescent Growth and Development. (3-0) Credit, 3 hours. A course dealing with the physical, mental, emotional, social, moral and religious, and intellectual characteristics peculiar to the adolescent period of life. Attention is given to deviations from the normal, as in the cases of delinquency, emotional and intellectual deviations, and vocational misfits. A minimum number of observations will be required and opportunity for other professional laboratory experiences provided in the public schools; additional experiences with adolescents in home and community situations are encouraged, and provided when possible.

163. Methods and Observation in the High School. (3-2) Credit, 3 hours. This course includes the study, observation, and evaluation of various methods of conducting the recitation in the secondary school, so that the prospective teacher may secure a better understanding of pupils'
EDUCATION

needs and may learn to adapt the curriculum to provide for the optimum development of each student. A minimum number of individual observations in the laboratory schools are required, usually related to the topic under discussion in the class; some group observation is done.

170. Special Methods and Materials for Exceptional Children in the Elementary School. (3-0) Credit, 3 hours. See Education 370 for description of this course.

200. The Improvement of Reading Instruction. (3-0) Credit, 3 hours. See Education 300 for description of this course.

208. Testing and Guidance Functions of the Teacher. (3-0) Credit, 3 hours. (This course, together with Ed. 209, constitutes the final six hours of Education, taken after, or concurrently with, student teaching)

The course surveys problems related to the teacher's concern for the progress of the individual pupil. It deals with the construction of informal tests, with the administration and interpretation of standardized tests and other instruments for evaluation. Also included are pupil personnel problems, such as attendance, keeping a register, and a survey of the various guidance services in schools, with emphasis on the roles of the various personnel in the school.

(Students taking this course should not register for Education 213 which deals with the same problems more intensively.)

209. The Curriculum. Procedures and Materials. (3-0). Credit, 3 hours. See Ed. 208 for a description of this course's functions.)

This course surveys the issues and principles of curriculum development, with special emphasis on the Texas curriculum program; learning materials essential to carry out the curriculum are included with emphasis on obtaining, constructing, and using audio-visual materials; community contributions to the curriculum, the use of community resources are considered.

(Students taking this course should not register for Education 253 or Education 273, which deal with these curriculum problems more intensively.)

213. Measurements in Education. (3-2) Credit, 3 hours. The general purposes of this course are to introduce the student to the problems of constructing and evaluating informal achievement tests and of administering, scoring, and interpreting standardized ability, achievement, and attitude tests. The simpler procedures necessary to test construction, analysis and utilization process will be introduced functionally. Included in these processes are: item writing and analysis; frequency distribution, central tendency and variability; test objectivity, reliability and validity; and interpretative scales, norms and profiles. Laboratory activities will include practice in test construction, administration, scoring and interpretation.

227. Seminar in Elementary Education. (3-0) Credit, 3 hours. A course intended to cover topics concerning elementary school methods and tech-
niques not adequately treated in previous professional courses, such as the administration and interpretation of educational measurements; to synthesize course materials with experiences gained in directed teaching, and to give necessary laboratory experience to further implement theory.

229. Seminar in Secondary Education. (3-0) Credit, 3 hours. A course following student teaching with the objective of integrating theory and practice. The problems met in student teaching will furnish the bases of study and discussion. Supplementary laboratory experiences will be provided as needed.

230. Curriculum and Methods for the Mentally Retarded. (3-0) Credit, 3 hours. A library-laboratory course designed to assist students in the development of curriculum and methods suited to their particular problems with the mentally retarded. For principals, supervisors, and teachers now engaged in the field, and for those having a background in the psychology of exceptional children. Attention is given to philosophy, methods, and materials adapted to various age groupings; pupil guidance and evaluation; study of suitable job outlets and work experiences.

*253. The Secondary Curriculum. (3-0) Credit, 3 hours. This course includes (1) a brief history of curriculum development with special emphasis upon the Texas curriculum program, (2) the basic principles of curriculum making, and (3) the technique of curriculum construction and installation. In all three of these phases of study the aims and purposes of the curriculum as they function in perpetuating and improving democratic ideals will be emphasized. Also attention will be given to some of the most significant researches in curriculum development.

*250. Mental Hygiene. (3-0) Credit, 3 hours. A study of the principles governing the development of human behavior. Emphasis is placed upon the experiences within the family, neighborhood, and school which are common to all individuals. The last unit of the course deals with the mental hygiene needs of all college students as well as those majoring in special education.

*271. Teaching the Gifted Student. (3-0) Credit, 3 hours. A course designed to assist teachers at all levels in meeting the needs of the group of learners termed "gifted" or "academically talented," either in the typical classroom, or in special classes. It will deal with such topics as the relative merits of enrichment and acceleration, and appropriate types of materials and learning activities in various subject matter areas.

273. Audio-Visual Education. (3-0) Credit, 3 hours. This is a survey course designed to acquaint the student with the value of audio-visual aids in teaching-learning situations, with the materials and equipment so classified, and with sound principles for their use in his major field. It is a lecture-demonstration-laboratory type of course intended to develop competency in the production, selection, acquisition, processing, and utili-

*See Course Number, under Admission and Graduation Requirements.
zation of such materials. Included are such visual materials as films, filmstrips, slides; such auditory materials as recordings, radio; such graphics as pictures, posters, graphs, globes, maps, museum objects.

300. The Improvement of Reading Instruction. (3-0) Credit, 3 hours. This course attacks two problems: (1) the improvement of the basic reading program; (2) the correction of reading difficulties, in individuals or in groups. It therefore deals with such topics as the psychology of reading, the factors involved in reading, the characteristics of a good reading program; the determination of and the development of readiness; the development of basic reading abilities; the diagnosis of reading difficulties; the improvement of recognition techniques, vocabulary, comprehension, interest.

The Laboratory School will be used in connection with the problems of this course.

302. Vocational Guidance. (3-0) Credit, 3 hours. An introduction in the nature and use of occupational information in counseling and special group guidance classes. Sources of information, methods of developing information through job analysis and community surveys will be stressed.

306. The Principalship. (3-0) Credit, 3 hours. This course deals with the duties at both elementary and secondary levels. The class will study together those elements common to all, dividing for work in areas where functions are sharply differentiated at various levels. Consideration is given to such topics as: the place of the principal in the administrative organization, community relationships, his business and personnel functions, office management, scheduling, the administration of the curriculum, of the library and other auxiliary services, of the extra-curricular program, of the guidance program, of the school plant.

317. Supervision of Instruction. (3-0) Credit, 3 hours. A course including the fundamental problems of the supervision of instruction in the small and moderate sized public schools. Among the more important problems receiving attention are the following: The nature and organization of supervision; supervisory plans and principles; teacher participation in forming educational policies; effect of recent educational practices upon supervision; duties, relationship, and training of supervisory officials; standards for judging teachers; methods of improving instruction; case studies in supervision; the use of conferences, teachers' meetings, demonstration teaching, visitation, and research studies as supervisory agencies. The Laboratory School will be the laboratory for this course.

319. School-Community Relations. (3-0) Credit, 3 hours. A course intended to aid in the development of concepts and methods that will be of value in bringing closer integration between the school and the community. The contribution of the teacher, supervisor, guidance worker, and administrator to the improvement of school-community relations will be studied. Emphasis will be placed upon: ways to promote better-community relationships; bridges between the school and community; importance of
community life in the educative process; role of the school in building better communities; and the community school concept—its meaning and outstanding examples of its practice.

**Education 321, 322. Workshops in Corrective Reading for Elementary Teachers.** Credit, 3 hours each.

In Education 321 activities consist of lectures, demonstrations, group and individual work, laboratory practice. Consideration will be given to the types, causes, and analysis of reading difficulties; the choice and preparation of remedial materials, and procedures in their use; the planning of preventive and corrective programs. Laboratory sessions will include opportunity to apply certain analytic corrective techniques.

Education 322 will continue with the same topics, will give more time for the development of materials for use in correcting specific deficiencies, for more extensive practice, for further research on individual problems. Offered in the summer session only.

**323. School Finance and School Plant Facilities.** (3-0) Credit, 3 hours. One phase of this course deals with the fiscal administration of the school while the other deals with requirements of the school plant facilities. The course will include such topics as accounting, budget making, budget administration, bonding, insurance, school building, school sites, costs, scoring, financing, equipment, maintenance, operation, and custodial service.

**333. Advanced Seminar in Elementary Education.** (3-0) Credit, 3 hours. A course in which each student will be given an opportunity to choose for study special problems to fit his particular needs and interests. Some consideration will be given to such research procedures as are needed in the preparation of a thesis or other research report, and to demonstrate his mastery of these procedures, the student will be required to present a research paper on a selected problem.

Credit may be applied toward certification as elementary principal, or as teacher of the mentally retarded, when an appropriate research problem is chosen.

**335. Psychological Problems of the Mentally Retarded.** (3-0) Credit, 3 hours. A survey course designed to orient students to the program and problems relating to the education of that two per cent of the school population known as the mentally retarded. Topics to be covered include the testing and selection of the children for special classes, the organization and administration of the special program, and the integration of special classes with the over-all school and community life.

**343. Advanced Seminar in Secondary Education.** (3-0) Credit, 3 hours. A course in which students are given an opportunity to study problems in secondary education in which they have special interest. Emphasis is placed on research procedure and a research paper is required of each student.
Credit may be applied toward certification as a secondary principal or as a counselor, or for credit in supervision when an appropriate research problem is chosen.

Required of all secondary education majors.

348. **Human Growth and Development I.** (3-0) Credit, 3 hours. The physical processes, affectional processes, and peer relationships. This course provides training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual pupils according to an organizing framework of scientific knowledge of human growth and development.

This course is offered as a workshop in the summer session with two hours of laboratory each week, by arrangement.

349. **Human Growth and Development II.** (3-0) Credit, 3 hours. This course is designed for teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental levels, and the abilities of individual pupils by a direct study of individuals in the classroom. Emphasis is placed upon increasing scientific knowledge of cultural, self-developmental, and self-adjustive areas of development.

This course is offered as a workshop in the summer session with two hours of laboratory each week, by arrangement.

Prerequisite: Education 348 or approval of the instructor.

351. **Group Testing.** (3-2) Credit, 3 hours. This course deals with problems of administering and interpreting educational tests that are designed for group administration. The utilization of educational measurements—aptitude, achievement, attitude and adjustment—in national, state and local programs will be considered. Elementary statistical methods and test construction problems will be covered. Laboratory activities will include practice in test construction, administration, scoring and interpretation.

352A, 352B. **Individual Testing.** (3-2) Credit, 3 hours each. These courses deal with problems of administering and interpreting psychological tests that are designed for individual administration. The utilization of intelligence, proficiency and projective tests in evaluation, classification and prediction will be considered. Laboratory activities will include practice in test administration, scoring and interpretation.

352A will give experience in administering the Stanford Binet; 352B with the Wechsler Intelligence Scales.

353. **The Secondary Curriculum.** (3-0) Credit, 3 hours. This course includes (1) a brief history of curriculum development with special emphasis upon the Texas curriculum program, (2) the basic principles of curriculum making, and (3) the techniques of curriculum construction and installation. In all three of these phases of study the aims and purposes of the curriculum as they function in perpetuating and improving democratic ideals will be emphasized. Also attention will be given to some of the significant researches in curriculum development.
355. The Elementary School Curriculum. (3-0) Credit, 3 hours. A course which deals with the principles of curriculum development and organization, the selection of curriculum experiences, the planning of various types of units, an overview of curriculum outcomes in various areas, guiding school experiences and unit activities, and some actual practice in preparing curriculum materials.

357. Public School Administration. (3-0) Credit, 3 hours. A course dealing with the overall principles of administration of public schools, preliminary to the courses with more intensive study of specific problems. Emphasis is placed upon the function of the superintendent and principal. Topics included are relations with the board of education, problems concerning the school plant, business and finance, pupil personnel activities, the curriculum, supervision of instruction, personnel, and public relations.

359. Psychological Testing of Exceptional Children. (3-0) Credit 3 hours. An overview of accepted psychological tests with special reference to their use in understanding and directing the behavior of various types of exceptional children. Students have practice in administering, scoring, and interpreting standardized tests such as the California Mental Maturity, Stanford-Binet, Wechsler, and Vineland Social Maturity Scale.

365. Supervision of the Elementary School. (3-0) Credit, 3 hours. This course gives consideration to the general organization of the elementary school; problems of classification, grouping, promotion and progress, school and community relations; the principal’s routines; in-service training and the guidance of teacher growth; the improvement of other factors in the teacher-learning situation.

367. Supervision of the Secondary School. (3-0) Credit, 3 hours. This course gives consideration to such problems as the following: the organization of the secondary school; problems of classification, promotion and progress; co-curricular activities; duties of the principal; school and community relations; in-service training and the guidance of teacher growth; supervisory principles and plans; standards for judging teaching; methods of improving instruction; methods of follow-up on both dropouts and graduates.

370. Special Methods and Materials for Exceptional Children in the Elementary School. (3-0) Credit, 3 hours. A study of the special techniques required for successfully teaching the various types of exceptional children in the regular class as well as in the special class at the secondary level; adaptation of the curriculum; preparation of case records; special methods, materials, and therapies. Provision is made for individual or group study according to the area of interest.

376. Counseling Techniques for Personnel Workers. (3-0) Credit, 3 hours. This course covers techniques both for counseling of individuals and group counseling. The brief interview, the counseling interview, and psychological counseling are considered in the light of both directive and non-directive techniques. The use of supplementary aids such as records, reports, sociometric techniques, and referrals are discussed; techniques of group therapy, verbal and non-verbal, are evaluated. Throughout the course all procedures are studied in reference to practical situations.
378. Organization and Administration of a Guidance Program. (3-0) Credit, 3 hours. This course covers practical problems in organizing, installing, and administering a guidance program. Included will be units on (1) principles and purposes underlying guidance; (2) the present status of guidance; (3) relationships between the administrator, guidance director, and counselors; (4) functions of the classroom teacher in the program; (5) supervision of the program; and (6) evaluation of the program.

379. Principles and Practices in the Elementary School. (3-0) Credit, 3 hours. This course is intended to define and interpret the newer trends in elementary school practices; it deals with the philosophy and objectives of the elementary school and with procedures for implementing these objectives. Such topics will be treated as: classroom organization and management, the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, evaluation.

393. Internship Practicum. Credit, 3 hours. Offered separately for Supervisors, Principals, Counselors, and those who are candidates for positions in various areas of Special Education; will vary with the field chosen. In the case of a candidate for a Principal's Certificate of Approval, for example, he would be expected, under the joint supervision of a staff member and an active principal of schools, to observe various typical activities performed by the principal, to participate in some of these activities, and to assume responsibility for some duties. A practicum is included for all like candidates, for planning purposes, for discussions, and for evaluation.

399. Thesis. Credit, 6 hours.

COURSES IN SPECIAL EDUCATION

This college has been authorized by the Texas Education Agency to prepare qualified speech and hearing therapists, and teachers of the mentally retarded.

The courses dealing with the mentally retarded, and generalized courses dealing with exceptional children in all categories are listed and described among those offered by the Department of Education. Education 120 and 170-370 are generalized courses, Education 230 and Education 335 deal with the mentally retarded, while Education 284, 294, and 393 may be taken either in mental retardation or in speech and hearing therapy.

Courses in speech correction and hearing therapy are listed under the Department of Speech.

Students working for a bachelor's degree with certification in one of the areas of special education should consult the appropriate advisor for early and careful planning of their courses of study. A full major in
speech and hearing therapy is offered at the undergraduate level. For the Master's degree, a student may major either in speech and hearing therapy or in mental retardation.

Interdepartmental Courses

The courses identified below are taught under the auspices of the Department of Education. They are listed by course number and title and with full description among the courses offered by the respective departments concerned. They may be elected for credit in the field of Education by those deemed qualified to enroll for them as such.

Agricultural Education 247. Workshop in Teaching Conservation of the Natural and Agricultural Resources. (3-0) Credit, 3 hours.

Agricultural Education 314. Current Research in Teaching Vocational Agriculture. (3-0) Credit, 3 hours.

Agricultural Education 318. Administration and Supervision of Vocational Education. (3-0) Credit, 3 hours.

Agricultural Education 325. Methods of Organizing and Teaching Farm Mechanics. (3-0) Credit, 3 hours.

Agricultural Education 326. Adult Education. (3-0) Credit, 3 hours.

Business Education 356. Materials and Procedures in Commercial Subjects. (3-0) Credit, 3 hours.

Business Education 358. Workshop in Business Education. Credit 3 or 6 hours.

Home Economics Education 331. Evaluation in Home Economics. (3-0) Credit, 3 hours.


Home Economics Education 341. Homemaking for Out-of-School Youth and Adults. (3-0) Credit, 3 hours.

Music Education 313, 317. Problems in Music Education. (3-0) Credit, 3 hours each.
II. DIVISION OF ENGLISH, JOURNALISM, AND SPEECH

ENGLISH

Professors Derrick, Houston, Walts
Associate Professors Taylor, Hightower, Brasher, Young
Assistant Professors, O'Meara, Smith, Porter
Instructors Archer, Chamberlain, Goodale, Van Gundy, Olive,
Huffstickler

Instruction in English is designed to present the English language to the student as a tool of communication and self-expression and the literary heritage as a source for acquiring and enriching experience. Its purpose is therefore to train the student to habits of accurate thought-getting and effective thought-presentation and to give him an acquaintance with the resources of his language and its literature.

More specifically, the English Department seeks to instill in the student the great humanitarian ideas and ideals which permeate English and American literature, and to make him fairly articulate about these and other cultural concepts.

Ordinarily, students planning to major in English are expected to become candidates for graduation with the degree of Bachelor of Arts. They may, however, graduate with a major in English under the curriculum leading to the degree of Bachelor of Science in Education if they include a minimum of fourteen hours in one foreign language in their preparation.

BACHELOR OF ARTS DEGREE

(128 hours; may be planned to include a certificate)

Notes: 1. Thirty (30) hours in English are required.
2. A minor must be completed.
3. For candidates who plan to qualify for a teaching certificate, the minimum number of hours required may vary between 128 and 134, depending on the choice of minor (i.e., second teaching field).
4. See subsequent statement of requirements concerning selection and distribution of courses in major.
<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Hours</th>
<th>Sophomore Year</th>
<th>Hours</th>
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<tbody>
<tr>
<td>English 11, 12</td>
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<td>English 61, 62</td>
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<tr>
<td>Minor Field</td>
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<td>Minor Field</td>
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<tr>
<td>History 31, 32</td>
<td>6</td>
<td>Chemistry or Physics 11, 12</td>
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<td>Biology 11, 12</td>
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<td>Foreign Language 13, 15</td>
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<tr>
<td>Mathematics 11</td>
<td>3</td>
<td>Government 61, 62</td>
<td>6</td>
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<tr>
<td>Speech 13</td>
<td>3</td>
<td>Physical Education</td>
<td>2</td>
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<td>Physical Education</td>
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<tr>
<td>Foreign Language 71, 72</td>
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<td>Electives</td>
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<td>(or Bible), 113</td>
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<td>Electives</td>
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**BACHELOR OF SCIENCE IN EDUCATION DEGREE**

(128 hours; includes certificate)

**Notes:**
1. Thirty (30) hours in English are required.
2. A second teaching field must be completed.
3. One of the following fields must be represented in meeting requirements: science, mathematics.
4. Fourteen (14) hours of a foreign language are required of the English major.
5. See subsequent statement of requirements concerning selection of courses in major.

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Hours</th>
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<tr>
<td>English 11, 12</td>
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<td>English 61, 62</td>
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<tr>
<td>Second Field</td>
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<tr>
<td>History 31, 32</td>
<td>6</td>
<td>Speech 13</td>
<td>3</td>
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<tr>
<td>Science or Mathematics</td>
<td>3-8</td>
<td>Government 61, 62</td>
<td>6</td>
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<tr>
<td>Foreign Language 13, 15</td>
<td>8</td>
<td>Foreign Language 71, 72</td>
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<td>Physical Education</td>
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<td>Electives</td>
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<td>Physical Education</td>
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<td>31-36</td>
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<td>32</td>
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</table>
In selection of advanced courses, English majors will include English 117 or 121 and not more than six hours from the following courses: English 123, 129, 143, 149. This restriction in selection will not apply to any courses offered in excess of the 30-hour minimum required for the major.

Candidates for a degree in a curriculum which includes a certificate for teaching in secondary schools may elect English as a second teaching field. For such, the requirements in English will be a minimum of 24 hours, selected to include the following courses: English 11, 12, 61, 62, and 117 or 121. For students enrolled under the curriculum for elementary teachers, a plan for using English as an area of academic specialization is described in the section of this catalog dealing with the elementary curriculum.

**FRESHMAN COURSES**

English 11 and 12, in the sequence given, are required of every freshman who has not had their equivalent in an institution of college rank, and they are preliminary to any other course in English.

11. Reading and Writing. (3-0) Credit, 3 hours. This, the first course in English, is designed to improve the student's reading skills and to supply him with thought-provoking material on which to base his training in expository writing. The study of grammar and sentence structure in this half of the course will be integrated with the student's needs as he seeks to improve both his reading and writing skills. His outside reading will be devoted entirely to non-fiction materials, such as biography, popular science, social science, and all other books in which general information is stressed.

12. Reading and Writing. (3-0) Credit, 3 hours. The stress in this half of the course will be on the improvement of writing skills, with further practice in the pattern of longer exposition and some consideration of the materials and patterns of narration and description. Reading will be continued during this half of the term, but will be devoted to materials of a literary nature—the novel, the short story, the drama, and some poetry.

**SOPHOMORE COURSES**

Required of English majors and minors. May be elected by all students whose degree plans do not require alternate sophomore English courses.

61. Survey of English Literature from Beowulf through the Age of Classicism. (3-0) Credit, 3 hours.

62. Survey of English Literature from the Romantic Period to the Present. (3-0) Credit, 3 hours.

63, 64. World Literature.
These courses will consist of a survey of the literatures of all the great civilizations of the past and present and a study of some of the more important selections in each civilization. Required of elementary majors. May be elected by students whose degree plans do not specify alternate sophomore English courses.

63. A Survey of World Literature Before 1700. (3-0) Credit, 3 hours.

64. A Survey of World Literature from 1700 to the Present. (3-0) Credit, 3 hours.

67, 68. Masterpieces.
These courses may be elected by all students whose degree plans do not require alternate sophomore English courses.

67. Masterpieces in English Literature. (3-0) Credit, 3 hours.
The course is organized in three six-week units, treating respectively types of poetry, the novel, and the drama in English literature.

68. Masterpieces in American Literature. (3-0) Credit, 3 hours.
The course is organized on the same basis as English 67 for a study of masterpieces in American literature.

83. Writing for Pre-engineers. (3-0) Credit, 3 hours. A study of exposition, adapted to the needs of students who have elected pre-engineering training. Practice in the planning and writing of reports and readings in modern scientific essays.

JUNIOR-SENIOR COURSES

All junior-senior courses presume at least junior standing in English.

113. Advanced Composition. (3-0) Credit, 3 hours. A practical course designed to help students in other fields who find occasion to write term papers, reports, reviews, and summaries. While the major portion of the course will be devoted to problems in expository writing, much attention will be given to the student’s individual needs, and the work will be integrated, as far as possible, with his work in areas other than English.

117. English Grammar. (3-0) Credit, 3 hours. A study of modern English grammar, with major emphasis on syntax, usage, and grammatical nomenclature.
121. The Development of English. (3-0) Credit, 3 hours. A study of the growth of the English language with particular emphasis on changes in morphology, phonetics, vocabulary, syntax, and usage.

123. British and American Poetry Since 1900. (3-0) Credit, 3 hours. Reading and study of the more significant developments in British and American poetry since 1900.

125. A Laboratory in Writing. (3-0) Credit, 3 hours. This course, which is also listed as Journalism 125, is designed for those Journalism students who wish to continue in the magazine article writing field and for those English students who are interested in the short story, the informal essay, and poetry as creative writing types. The course is co-operatively taught by the English and Journalism Departments as a workshop designed to meet the needs and interests of the individual student.

127. Early American Literature. (3-0) Credit, 3 hours. Reading and study of significant American prose and poetry from Anne Bradstreet to Whitman.

129. Later American Literature. (3-0) Credit, 3 hours. Study of the more important trends in American literature since the middle of the nineteenth century, with emphasis upon the Rise of Realism.

133. Shakespeare. (3-0) Credit, 3 hours.
A study of selected plays from the earliest through Hamlet with emphasis upon the development toward maturity of Shakespeare's dramatic skill.

135. Reading Materials in the Elementary Grades. (3-0) Credit, 3 hours. A study of traditional and creative literature for children from which newer and better materials for reading in the elementary grades may be drawn. A literary history of children's books designed to be of service to the student in book and story selection.

137. The Romantic Poets. (3-0) Credit, 3 hours. Reading and study of the more significant contributions of the poets of the romantic period—Burns, Coleridge, Wordsworth, Byron, Shelley, Keats.

143. Types of World Drama in English (Modern). (3-0) Credit, 3 hours. The consideration of at least thirty significant examples of world drama in English from Ibsen to O'Neill, Williams, and Miller.

145. Reading Materials in the Junior and Senior High School. (3-0) Credit, 3 hours.
A study of selected readings based on a survey of reading materials suitable for use in the junior and senior high schools, and an introduction to publications of particular value to the high school teacher of English.
147. The English Novel. (3-0) Credit, 3 hours. A study of the history and development of the English novel from Defoe to the present, together with a reading of several of the more significant English novels.

149. The American Novel. (3-0) Credit, 3 hours. A study of the history of the American novel from Cooper to the present, together with the reading of a number of the more significant novels and books of criticism in the field.

157. Significant Victorian Literature. (3-0) Credit, 3 hours. Study of the more significant developments in Victorian poetry and prose as these apply to the student's cultural background.

163. English Literature of the Eighteenth Century. (3-0) Credit, 3 hours. A study of the prose and poetry of the period with particular emphasis on the contributions of the principal writers to the analysis of modern problems.

Courses numbered 200 plus have a prerequisite of 6 advanced hours of English.

*216. Chaucer and His Time. (3-0) Credit, 3 hours. Selected studies in the more important works of Chaucer, with an attempt to realize him as the most significant creator and social critic in an important literary and social era.

*233. The Later Shakespeare. (3-0) Credit hours. A study of the later period from the problem comedies through the tragedies to the serenity of the plays of the final years. The course will emphasize the reading in depth of the plays, significant critical material, and selected plays by Shakespeare's contemporaries.

*238. Milton. (3-0) Credit, 3 hours. Consideration of Milton's thought expressed in the longer poems and most important prose writing, especially as his thought affected the ideas of the writers and thinkers in the centuries following him.

GRADUATE COURSES

311. Studies in American Poetry. (3-0) Credit, 3 hours. Prerequisite, 24 hours in English and graduate standing.

312. Studies in American Prose. (3-0) Credit, 3 hours. Prerequisite, 24 hours in English and graduate standing.

314. Contemporary Novel. (3-0) Credit, 3 hours. Prerequisite, 24 hours in English and graduate standing.

*See Course Numbers under Admission and Graduation Requirements
317. Studies in Elizabethan Drama. (3-0) Credit, 3 hours. Prerequisite, 24 hours in English and graduate standing.

320. Studies in Eighteenth Century Literature. (3-0) Credit, 3 hours. Prerequisite, 24 hours in English and graduate standing.

324. Studies in the English Romantic Movement. (3-0) Credit, 3 hours. Prerequisite, 24 hours in English and graduate standing.

325. Studies in Victorian Prose. (3-0) Credit, 3 hours. Prerequisite, 24 hours in English and graduate standing.

326. Studies in Victorian Poetry. (3-0) Credit, 3 hours. Prerequisite, 24 hours in English and graduate standing.

329. Problems in Literary Criticism. Credit 3 hours. This course is open to graduate students on an individual basis by arrangement with the department.

399. Thesis. Credit, 6 hours.

Because alternate topics for study are chosen from time to time within each English graduate course area, a student may repeat a graduate English course for additional credit upon approval of the instructor and the chairman of the department.

Professor Deck assists student with lettering assignment.
The journalism program purports (1) to prepare teachers of journalism, (2) to train sponsors and supervisors for student publications in public schools, (3) to instruct public school administrators, teachers, and others in the fundamentals of sound public relations, and (4) to train students for professional journalism vocations.

Actual work on The College Star, student weekly newspaper, other college publications, and occasionally on professional daily and weekly newspapers constitute much of the laboratory activity for the courses in journalism. The location of the College makes possible field trips to several large Texas dailies and magazines. All journalism majors and minors and those taking journalism as a first or second teaching field are required to work on one college publication each semester.

To graduate with a major or teaching field in Journalism, a student will be expected to enroll under either the curriculum for high school teachers leading to the degree of Bachelor of Science in Education (teaching field) or the general curriculum leading to the degree of Bachelor of Arts (major).

It is recommended that the minor or second teaching field be either Social Science or English, and that the student include Foreign Language in his program. All students intending to take a major or teaching field in Journalism must have a working knowledge of typing before enrolling in Journalism 13 or must be enrolled in a typing course.

The following courses are recommended for use as electives by students taking a major in Journalism: Industrial Arts 33 (Photography 1), Industrial Arts 153 (Photography II), Industrial Arts 65 (Typography and Printing). With special permission, three hours of work selected from the courses thus indicated may be offered toward graduation in lieu of a comparable amount of work in Journalism.

**BACHELOR OF SCIENCE IN EDUCATION DEGREE**

(128 hours; includes certificate)

**Notes:**
1. Twenty-four (24) hours are required of the journalism major.
2. A second field must be completed.
3. Fourteen (14) hours must be completed in two of the following: science, mathematics, foreign language.

*On Leave 1961-62*
### Freshman Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Sophomore Year</th>
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<tbody>
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<td>Journalism 83, 85</td>
<td>6</td>
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<tr>
<td>Second field</td>
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<td>Second field</td>
<td>6</td>
</tr>
<tr>
<td>English 11, 12</td>
<td>6</td>
<td>English (literature)</td>
<td>6</td>
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<tr>
<td>History 31, 32</td>
<td>6</td>
<td>Sociology 67 or</td>
<td></td>
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<tr>
<td>Science, mathematics, or</td>
<td>3-8</td>
<td>Economics 67</td>
<td>3</td>
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<tr>
<td>foreign language</td>
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<td>foreign language</td>
<td>3-8</td>
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<tr>
<td>Speech 13</td>
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<td>Electives</td>
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### Sophomore Year

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<td>(or Bible), 113</td>
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<td>English 117</td>
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<tr>
<td>Electives</td>
<td>3</td>
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### BACHELOR OF ARTS DEGREE

(128 hours)

**Notes:**
1. Twenty-four (24) hours in Journalism are required.
2. A minor field must be completed.
3. A certificate is available with this degree but may require extra hours.
1, 2. **Introduction to Journalism.** Usually taken during the junior year, these courses are designed to give the journalism student an opportunity to polish the reporting and editing talents acquired during the first two years of his training. For each course, one hour of credit is earned. Both 1 and 2 may not be taken at the same time. With permission of the department chairman, Journalism 2 may be repeated once for credit.

74. **Reporting II.** (3-2) Credit, 3 hours. This course is concerned with the more complex and difficult types of news stories, including sports, reviews, criticisms, feature interviews and editorials. It is primarily a laboratory course designed to perfect the student's news writing skills and techniques. Attention also is given to the ethics of reporting and the obligations of the competent journalist. Prerequisite, 13.

83. **News Editing I.** (3-2) Credit, 3 hours. This course provides instruction in copyreading, proof reading, headline writing and newspaper make-up. Prerequisite: 13, 74.

85. **News Editing II.** (3-2) Credit, 3 hours. In addition to laboratory experiences on The College Star to perfect the techniques studied in Journalism 83, this course emphasizes make-up problems, picture editing and layout, advertising layout, evaluation of news, and law of the press. Careful study is made of many daily and weekly newspapers and how they reflect or fail to reflect skill in editing. Prerequisite: 83.

117. **History of Journalism.** (3-0) Credit, 3 hours. This course presents the story of the origin of newspapers and their development to the present time. Emphasis is placed on the economic, social, and political factors which produced the modern newspaper in the United States, and due consideration is given the journalists who had vital parts in that production.
123. **Feature and Magazine Article Writing.** (3-0) Credit, 3 hours. This course is concerned with the techniques of writing and marketing special features and articles.

125. **A Laboratory in Writing.** (3-0) Credit, 3 hours. See English 125.

127. **Public School Publications.** (3-0) Credit, 3 hours. A study is made in this course of the problems of publishing various types of school publications including financing, staffing, and actual production activities. Consideration is given to the production of the printed, duplicated, and section-of-the-town paper types of school newspapers as well as the letterpress and offset annuals.

133. **The Press and Contemporary Affairs.** (3-0) Credit, 3 hours. Explanation and interpretation of current events as a function of the press is the chief concern of this course. A critical study is made of contemporary local, state, national, and international problems and how they are treated by newspapers and news magazines.

157. **Advertising.** (3-0) Credit, 3 hours. The fundamentals of advertising are considered, and special attention is given to advertising techniques for the mass media. Copy preparation, headlining, use of art work and layout theories for newspaper and magazine advertising will be stressed. Attention also will be given to direct mail, radio, outdoor, and other types of advertising. This course may be taken as an elective in the Business Administration Department.

217. **The Practicing Journalist.** (3-0) Credit, 3 hours. This is a senior-level course for journalism majors who have completed 18 hours of their prescribed journalism courses. The student who plans eventually to seek employment with a newspaper is assigned to a newspaper in the San Marcos area for a prescribed number of hours of practical work. The student who plans to teach Journalism will be assigned to help supervise and publish the Rattler, official weekly publication of the San Marcos High School. Opportunities for other advanced assignments will present themselves, possibly in radio or public relations, through which the student may receive valuable practical experience in a real-life situation. By special permission of the department head the student may be allowed to do his work on The College Star. In every instance, the instructor of the course will keep close liaison with the “employer” and will assist and instruct the “practicing” student journalist in every way possible.

221. **Workshop in Practical Public Relations.** (3-0) Credit, 3 hours. This course is designed to acquaint students with sound public relations theories and practices. Primary emphasis is placed on providing a practical knowledge of organizing and carrying out the various activities which would be embodied in a public relations program. Stress is given problems confronting public schools, the use of publicity media by schools, and the relationships between schools and their various publics. A comprehensive study dealing with the media of communications and how to place publicity material in them is included in the course.
SPEECH

Professor Abernathy
Associate Professor Barton
Assistant Professor Booth*
Instructors Adams, Galloway, Heard, Tedford
Special Lecturer-Yelvington

The Department of Speech serves the following purposes:

1. Provides service courses in the fundamental processes of oral communication, in oral reading, in dramatic appreciation, in costume design, and in logical thinking. Some of these courses are required in various curricula, others may be taken as electives.

2. Furnishes training especially designed for potential teachers, leading to a B.S. degree in Education. Students who pursue this program using speech either as a major or minor subject, will be asked to take courses in theatre arts, public address, voice and diction, and interpretative reading, preparing them for the multiple demands of teaching.

3. Provides for those who desire to major or minor in speech for cultural reasons or in preparation for such professions or vocations as the law, the ministry, the theatre, or radio and T.V., in which speech plays an important part. Normally these students will direct their courses toward a B.A. degree. Each program will be determined separately by the chairman of the department in view of the needs and desires of the individual student.

4. Provides extra-curricular programs in forensics and theatre arts. These may arise out of courses in the department, but any student may participate in them regardless of whether or not he is enrolled in any speech course.

BACHELOR OF SCIENCE IN EDUCATION DEGREE

(128 hours; includes certificate)

Notes: 1. Thirty (30) hours are required in Speech, of which at least 12 are advanced.
2. A second teaching field must be completed.
3. Fourteen (14) hours minimum are required in two of the following: science, mathematics, foreign language.

*On Leave 1961-62
### Freshman Year

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<td>6</td>
<td>Speech 57 and electives</td>
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<tr>
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<td>English (literature)</td>
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<tr>
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<td>Government 61, 62</td>
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<td>Science, mathematics, or</td>
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<td>Science, mathematics, or</td>
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### Sophomore Year

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<td>including 291, 292</td>
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<tr>
<td>(or Bible), 113</td>
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</tr>
<tr>
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### BACHELOR OF ARTS DEGREE

(128 hours)

**Notes:**

1. Thirty (30) hours in Speech are required.
2. A minor field must be completed.
3. A certificate is available with this degree but may require extra hours.

### Freshman Year

<table>
<thead>
<tr>
<th>Course</th>
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<th>Course</th>
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<td>English (literature)</td>
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<td>History 31, 32</td>
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<td>Foreign Language 13, 15</td>
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<td>Biology 11, 12</td>
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<tr>
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<td>Hours</td>
<td>Senior Year</td>
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<td>Government 61, 62</td>
<td>6</td>
<td>(or Bible), 113</td>
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<td>Foreign Language 71, 72</td>
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13, 13X Fundamentals of Speech. (3-0). Credit, 3 hours. A first course in speech. Study aims at understanding of speech fundamentals and practice in employing the techniques involved. Most students will take 13. Those who, upon examination, exhibit language difficulty will be assigned to 13X. Students who previously had speech training will normally be enrolled in 15, described below. Speech 13X and 15 may be substituted in any curriculum in the college which specifies Speech 13.

15. Speaking and Reading. (3-0) Credit, 3 hours. This is a course in the basic principles of speech, especially designed for those who have had previous speech training or experience qualifying them to work at a higher level than in 13. Study of the theories of oral reading, public speaking, voice and diction, visible action, and group discussion will be combined with practice in a variety of speech activities.

18. Introduction to Theatre Practice. (3-2) Credit, 3 hours. An introductory course in the art and aesthetics of the theatre, required of all speech majors and minors, and strongly advised for those who may later be called upon to direct plays or those who wish to acquire drama appreciation. The course includes an introduction to play analysis, acting, stagecraft, directing, and production. Participation in college productions is a part of the course.

57. Voice and Phonetics. (3-2) Credit, 3 hours. This course pertains to the human voice and the sounds of speech. The student's own voice and pronunciation will be the subject of attention, along with study of regional divisions of American pronunciation. The International Phonetic Alphabet will be used as a tool in transcribing speech.

67. Debate. (3-2) Credit, 3 hours. The course is devoted to a study of the fundamental theories and techniques of debate, as it is practical in secondary school and in college and as its principles are employed in numerous non-educational activities. Students will do laboratory work with the college forensic squad.

69. Discussion. (3-2) Credit, 3 hours. This course explores the theory and techniques of discussion, group dynamics, and public discussion. Laboratory work will be in connection with the college forensic squad.
75. **Acting.** (3-2) Credit, 3 hours. This course is a study of the principles involved in forming a workable theory of acting, and the application of these principles through the development of technical skill. Participation in college productions is a part of the course.

79. **Stagecraft.** (3-2) Credit, 3 hours. This course is intended to give a working knowledge of the technical procedures in the mounting of a play. Consideration is given to scenery construction and painting, electricity and lighting, properties, sound, stage effects, and costume construction. Participation in college productions is a part of this course.

110. **Theatre Design.** (3-2) Credit, 3 hours. This is a course in the designing of the complete play, with emphasis on styles of staging. Attention is given to the design of the setting, costumes, lighting, properties, and make-up and to their relationship to the complete play. Participation in college productions is a part of this course.

120. **Advanced Public Speaking.** (3-0) Credit, 3 hours. This course is designed to further the student's ability through the study of speech theory and model speeches with laboratory experience.

129. **Playwriting.** (3-2) Credit, 3 hours. This course will be devoted to play fundamentals (structure, dialogue, and mechanics), and to guidance and discussing representative plays. Because of the individualized nature of the studies the course may be taken more than once for additional credit.

131. **Persuasion.** (3-0) Credit, 3 hours. The techniques of advocacy, including evidence gathering, logical reasoning, ethical and emotional persuasion, the use of language, and persuasive delivery are studied in this course.

132. **Fundamentals of Speech for Teachers.** (3-0) Credit, 3 hours. This course is designed especially for experienced teachers who have had little if any course work in speech. It deals with the basic fundamentals of speech as reflected in the student and also as applied in his capacity as a teacher. It fulfills (in lieu of Speech 13) the mandatory speech requirement in most curricula. It may not, except with special permission, be taken by anyone who already has credit in one or more speech courses.

137. **Directing.** (3-2) Credit, 3 hours. The emphasis of this course is on directing the theatre production. Attention is given to developing a working knowledge of all elements of play production. Members of the class will participate in college productions.

143. **Types of World Drama in English (Modern).** (3-0) Credit, 3 hours. See English 143.

149. **Interpretative Reading.** (3-0) Credit, 3 hours. An advanced study in the problems of oral interpretation. Consideration is given to the interpretation of various types of literature. Experience with microphone and other radio techniques will be offered. Members of the class are encouraged to read in audience situations outside the classroom and to take part in intercollegiate competition.
157. Creative Dramatics for Children. (3-0) Credit, 3 hours. This course is designed for the study of creative drama in the elementary school, which has as its main objective total growth of the child. Opportunity for actual work with children in a creative dramatic situation will be given. Attention will also be given to Theatre for Children.

213. Teaching of Speech. (3-0) Credit, 3 hours. This course is designed to meet the needs of teachers of speech in the public schools. Emphasis is placed on a well-developed speech program for the grades and high school; and consideration of methods and materials for the diagnosing and improving of speech.

223. American Oratory. (3-0) Credit, 3 hours. This course is designed as a study of the representative speeches of great figures in American Oratory. Backgrounds are traced in order to better understand the historical significance of the speakers, and speeches are analyzed for content and structure. Oratorical theories of these speakers are examined and compared, and an original research project is carried through.

233. The Development of the Theatre. (3-0) Credit, 3 hours. This course affords students an opportunity to make a survey of the theatre from the primitive civilization to the present. A study is made of the theatre and its place in the social and cultural evolution.

237. Advanced Directing. (3-2) Credit, 3 hours. Members of this class will direct plays for presentation and will participate in college productions. Attention will be given to types and styles of productions.

265. Problems in Speech. (3-0) Credit, 3 hours. A student registered for this course will take for exploration and research some problem in speech, normally in the directing of speech activities. Because of the individualized nature of the studies the course may be taken more than once for additional credit.

275. Problems in Theatre. (3-0) Credit, 3 hours. This course is designed to give supervised experience to qualified advanced students in theatre history, playwriting, directing, acting, technical, or other theatre problems. Research problems or actual production problems may be chosen. This course may be taken any semester by arrangement and with the permission of the department chairman. Because of the individualized nature of the studies the course may be taken more than once for additional credit.

279. Directing Speech Activities. (3-2) Credit, 3 hours. This course is designed to assist any teacher, whether of speech or some other subject, in directing the speech activities which may be turned over to him. During the course those in the class will actually direct debate, plays, declamation, and other activities. Because of the individualized nature of the studies the course may be taken more than once for additional credit.
This college has been authorized by the Texas Education Agency to prepare qualified speech and hearing therapists. Students working for a bachelor's degree with certification in one of the areas of special education should consult the appropriate advisor for early and careful planning of their courses of study. A full major in speech and hearing therapy is offered both at the undergraduate level and for the Master's degree.

The speech and hearing clinic of the college provides ample opportunity in both the regular and summer sessions for securing needed clock hours of clinical practice with clients of various types and certification in the American Speech and Hearing Association. During summer sessions eminent guest professors and consultants participate in the cooperative educational and therapeutic program with teachers, clinicians, parents, and children in both areas of special education.

The physical equipment for observation, demonstration, lecture and therapy is modern and excellent. Opportunity for observation and directed teaching are available, not only in the public schools of San Marcos, which have a well-developed program of special education, but also because of their geographic proximity to the college, in special schools for exceptional children. The Director of the Speech and Hearing Clinic is consultant in education therapy at Santa Rosa Children's Hospital in San Antonio, Texas. Through this affiliation student therapists from this college may participate as interns in the summer and Saturday therapy clinics at the hospital.

Close affiliation with the medical profession is maintained through: (a) lectures by physicians, (b) maintenance of referral standards and, (c) regular conferences with medical consultants.

Speech 31, Introduction to Speech Correction. (3-0) Credit, 3 hours. The purpose of this course is to introduce the student to the area of remedial speech. It is required of all students planning to prepare for certification in speech and hearing therapy.

Speech 59, Phonetics. (3-0) Credit, 3 hours. This course will comprise a detailed study of the phonemes of American-English speech. Proficiency in use of the alphabet of the International Phonetic Association will be emphasized.

Speech 61, Speech Correction. (3-0) Credit, 3 hours. A study of the diagnosis and treatment of speech disorders.

Speech 125, Vocal Anatomy. (3-0) Credit, 3 hours. This course offers a description and explanation of the human mechanism by which speech is produced.
Speech 167. Clinical Methods and Practice in Speech Correction I. (3-4) Credit, 3 hours. Supervised practice in the clinic with persons of various ages and diverse types of speech disorders. Students may begin in this course to acquire the clinical clock hours required for state and ASHA certification. Two weekly lecture periods will emphasize principles and methods of testing, evaluating, and treating pupils with speech disorders in public schools. A student expecting to meet the state or ASHA requirements of 200 clock hours of supervised clinical practice should plan to acquire a minimum of 75 such hours in this course if taken in the long semester and 50 if taken in a summer session.

Speech 189. Problems and Methods in Auditory Testing and Aural Rehabilitation. (3-0) Credit, 3 hours. This course introduces the student to basic audiology, anatomy of the hearing mechanism, and hearing disorders.

Speech 201. Speech Pathology. (3-0) Credit, 3 hours. A study of the nature and underlying causes of defective speech offering an opportunity for students with basic training in speech therapy to investigate the etiologies and therapies advanced by the outstanding authorities in the profession. Contrasting aspects of speech pathology will be studied to encourage the student to think critically and develop an analytic viewpoint. Clock hours of clinical practice with cases having organic speech disorders may be obtained in this course, the number of such hours depending upon the student's needs for certification and professional growth.

Speech 263. Speech and Language Problems Associated with Neurological Disorders, (3-0) Credit, 3 hours. A study of perceptive and productive linguistic difficulties associated with aphasia, and cerebral palsy.

Visiting lecturers from the medical profession, notably in neurology, will assist in presentation of this course.

Speech 267. Clinical Methods and Practice in Speech Correction II. (3-4) Credit, 3 hours. Continuation of two lectures periods a week and supervised clinical practice begun in Speech 167. A student expecting to meet the state or ASHA requirements of 200 clock hours of supervised clinical practice should plan to acquire a minimum of 75 hours in this course if taken in the long semester and 50 if taken in a summer session.

Speech 269. Teaching Language to the Hearing Impaired. (3-0) Credit, 3 hours. This is a course especially designed to train teachers in methods of developing associations between meaning and linguistic symbols in pupils with hearing losses.

Speech 271. Auditory Training and Speech Reading. (3-0) Credit, 3 hours. This is a course in methods of teaching those with hearing deficits
to use their residual hearing and to visually comprehend the speech of others.

Speech 273. Factors of Oral English. (3-0) Credit, 3 hours. This course deals with the basic factors of oral English: rhythm, intonation, and sound elements that create difficulties for pupils with specific language disorders due to environmental influences or neurological impairment.

Speech 285. Phonetics in the Language Arts. (3-0) Credit, 3 hours. This course is designed for the study of the phonetic approach to word analysis. It emphasizes the development of auditory recognition and discrimination between the sound elements in American-English speech.

Speech 287. Phonetics in the Language Arts. (3-0) Credit, 3 hours. This is a non-professional course to acquaint students with the nature of disordered speech, to enable them to identify those persons who should be referred for speech therapy.

Speech 301. Advanced Speech Pathology. (3-0) Credit, 3 hours. This course will provide graduate students who have had Speech 201 an opportunity to advance their knowledge in a specialized area of speech pathology such as stuttering, cleft palate, or voice disorders. This course may be taken only after conference with the director of the speech clinic to determine the needs of the student. This course requires clock hours of supervised practicum with cases having the disorder being studied, the number of such hours to be arranged in the light of the student's needs.

Speech 343. Advanced Clinical Practice in Speech and Hearing Therapy I. (3-4) Credit, 3 hours. This course is for graduate students who hold provisional certification in speech therapy and wish to increase their professional competence in clinical practice, leading to professional certification. Clock hours may be obtained with cases having types of speech and language disorders which stimulate an advanced level of specialized study.

Speech 345. Advanced Clinical Practice in Speech and Hearing Therapy II (3-4) Credit, 3 hours. A continuation of Speech 343, in which the student will make a thorough study of one type of speech, language or voice disorder. Therapy with representative clients as well as research of the literature will be required.

Speech 361. Research in Speech and Hearing Therapy. (3-0) Credits, 3 hours. A critical and thorough investigation of an area of speech and hearing therapy with some original experimentation required. This course is required of all graduate students in speech and hearing therapy who are candidates for the degree of Master of Education.

Speech 399. Thesis. Credit, 6 hours.
III. DIVISION OF FINE ARTS

ART

Associate Professors Frank, Suckle
Assistant Professor Wood
Instructor Munson

The Art Department offers to those majoring in art a well-balanced program. It offers to all students an opportunity to acquire an appreciation of the aesthetic values in life, and in so doing, broadens their horizons, enriches their major fields, and makes them cognizant of the fact that art is an integral part of their daily living.

All art majors must have their programs approved by the Director of the Department. In addition to meeting the course requirements art education majors are expected to participate in department exhibits and other departmental activities.

In addition to the degrees outlined below, the Bachelor of Arts Degree is available. For information consult the Dean of the College.

BACHELOR OF SCIENCE IN EDUCATION DEGREE

(128 hours; includes certificate)

Notes: 1. Thirty (30) hours in Art are required.
2. A second teaching field (minor) must be completed.
3. Fourteen hours minimum are required in two of the following: science, mathematics, foreign language.

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Hours</th>
<th>Sophomore Year</th>
<th>Hours</th>
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<tr>
<td>Art 13 or 14, 21</td>
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### ART

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**32-34**

### BACHELOR OF SCIENCE IN EDUCATION DEGREE

(128 hours; includes certificate)

**Notes:**
1. Thirty-six (36) hours in Art required.
2. Certification is in Art only.
3. Fourteen hours minimum are required in two of the following: science, mathematics, foreign language.
4. All of the Industrial Arts courses or all of the Speech courses must be completed.

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<th>Freshman Year</th>
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**32-34**

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**30-34**

**30**
BACHELOR OF SCIENCE IN COMMERCIAL ART

(128 hours)

Notes: 1. This degree becomes available after September, 1962.
2. Completion of a minor field will be strongly encouraged.
3. The use of electives should be decided only after a conference
   with the department chairman.

<table>
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<th>Hours</th>
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10. Basic Illustration. (3-3) Credit, 3 hours. A comprehensive study of the drawing of the figure, singly and in groups. Various mediums and approaches will be used.

13. Basic Course in Drawing and Design. (1-5) Credit, 3 hours. This course is designed primarily to acquaint the student with the fundamentals of design and drawing, with emphasis on creative expression.

14. Contemporary Design. (3-3) Credit, 3 hours. This course is concerned with the integration of the essentials of design. It presents an introduction to drawing, color mixing, and basic techniques.

17. Survey of Arts. (3-0) Credit, 3 hours. This is an introductory course in the arts of the past and present and their relation to the life of the period. The intent is to aid the student in realizing the need of art in the development of happier human relations and a fuller enjoyment of life in general.
This course is open without prerequisite to all students.

21. **Drawing and Painting.** (1-5) Credit, 3 hours. A course in drawing and painting, subject matter unrestricted.

27. **Ceramics I.** (0-4) Credit, 2 hours. This is an introductory course in ceramics. The course includes study and practice in hand-built methods of pottery, learning to use the potter's wheel, glazing and firing.

Art 27 is open without prerequisite to all students.

37. **Weaving I.** (0-4) Credit, 2 hours. An introductory course in weaving. The course includes a study of the kinds of looms, threading the loom and simple weaving experiences.

This course is open without prerequisite to all students.

54. **Design.** (0-6) Credit, 3 hours. The study of the essential problems in design. The course includes interpretation of form, space and color through a variety of techniques and media.

Prerequisite: Art 13 and 14 or equivalent.

59. **Graphic Arts.** (0-6) Credit, 3 hours. Techniques of block printing, lithography, and etching.

Prerequisite: Art 13 or 14 and 54 or equivalent.

61. **Art in the Home.** (3-2) Credit, 3 hours. In this course, the student will work with practical problems concerning functional design, psychological and emotional aspects of colors, and appreciation of art in relation to the home and home furnishing.

63. **Creative Crafts.** (0-6) Credit, 3 hours. Problems in leather, metal and elementary jewelry work.

Prerequisite: Art 13 or 14

66. **Advertising Art and Lettering.** (2-2) Credit, 2 hours. A laboratory course beginning with manuscript writing as it is used in the primary grades, and developing into the more complex forms of lettering as used in posters, advertisements, and library lettering. Recommended for all students preparing for teaching, library science, and drama.

73. **History of Art I.** (3-0) Credit, 2 or 3 hours. A study of the arts of ancient and medieval cultures. Open to all students.

Field trips.

Approval of the director of the department.

110. **Figure Drawing.** (3-3) Credit, 3 hours. A course designed to acquaint the student with the drawing of the human anatomy. Recommended for students of art, drama, dance, costume design, and pre-medicine.
121. Oil Painting. (0-6) Credit, 3 hours. Subject matter unrestricted; individual and group criticism.

Field trips.

Prerequisite: Art 54 or approval of the director of the department.

123. Art for the Elementary Classroom. (3-3) Credit, 3 hours. Study of the organization, evaluation and the function of the creative arts in the elementary school curriculum. Opportunity to work with materials and equipment, and observation in the elementary schools.

Field trips.

125. Art in Junior and Senior High School. (3-0) Credit, 3 hours. This course has the distinct function of assisting students to integrate the knowledge and skill which they have acquired in art courses with those which they have obtained in their educational theory courses. Observations, extensive and intensive reading and preparation for Directed Teaching in Art are major parts of this course.

Field trips.

This course should precede Directed Teaching.

127. Ceramics II. (0-6) Credit, 3 hours. This course provides for study and practice in hand-built methods in pottery, skill in using the potters' wheel and problems in glazing.

Prerequisite: Junior standing.

129. Ceramics III. (0-6) Credit, 3 hours. This course offers opportunity for development in the field of ceramic forms, study and application of glazes and casting methods.

Prerequisite: Art 127.

137. Weaving II. (0-6) Credit, 3 hours. This course provides for the opportunity to do creative problems in weaving. Special attention is given to design, texture, and colors.

Prerequisite: Junior standing.

139. Weaving III. (0-6) Credit, 3 hours. Creative work in weaving.

Prerequisite: Art 137.

163. An Honor Course in Special Problems in Art or Crafts. (0-6) Credit, 3 hours. Intensive work of an individual character. The subject is determined by the grade points, interests and quality of art work of the student, and approval of the director of the department.

This course may be repeated for credit.

Prerequisite: Six hours in art and Junior standing.
ART 145

165. Metal and Lapidary Work. (0-6) Credit, 3 hours. This course consists of creative design problems in metals such as copper, brass, and silver. The lapidary work consists of the selection, cutting, polishing, and mounting of semi-precious stones. This course is offered on an individual basis by arrangement with the director of the department. This course may be repeated for credit.

Prerequisite: Art 54 and 63 or equivalent.

170. Watercolor Painting. (0-6) Credit, 3 hours. Subject matter unrestricted; individual and group criticism.

Prerequisite: Art 53 or approval of director of the department.

173. History of Art II. (3-0) Credit, 3 hours. A study in the art epochs beginning with the early Renaissance of 1400 to the Classicism of 1800, including the Colonial Art in America and the development of an American spirit in art.

Field trips.

Offered in alternate even years.

183. History of Art III. (3-0) Credit, 3 hours. A study of the art epochs from 1800 to the present, including Romanticism, Realism, Impressionism and other contemporary movements. (Special emphasis is placed on art in the United States).

Field trips.

Offered in alternate odd years.

221. Painting. (3-3) Credit, 3 hours. This course is designed for advanced students of graduate or undergraduate level, who are capable of developing a problem in painting.

Prerequisite: Art 121 or approval of the director of the department.

Archery is a favorite among students in women's physical education classes.
MUSIC

Professors Bowles, Tampke
Associate Professors Bek, Buchanan, Callahan
Assistant Professor Guerry*
Instructors Cox, Johnson, Williams

General Aims

The Department of Music has for its primary objective the training of teachers for the public schools and for that purpose offers curricula designed for students wishing to make a major or minor in music education with emphasis (a) upon vocal music or (b) upon instrumental music. The curriculum stressing vocal music includes (1) preparation for teaching music in the elementary grades, (2) training and directing choral organizations in the junior and senior high school, and (3) teaching courses in theory, history and appreciation. The curricula emphasizing instrumental music include (1) preparation for teaching preparatory band and orchestral instruments, (2) training and directing beginning and advanced orchestras and bands, and (3) teaching courses in theory, history, and appreciation.

For the general student, that is, for the one making neither a major nor a minor of music, ample provision is made for music study according to his interests and abilities.

Majors in Music.

Students wishing to major in music may do so under one of the curricula leading to the degree of Bachelor of Music Education, or under the curriculum leading to the degree of Bachelor of Science in Education or under the general curriculum leading to the degree of Bachelor of Arts.

A student wishing to specialize in Public School Music, that is, to qualify to teach vocal and instrumental music in all of the grades of the public schools may do so by enrolling under the Curriculum Leading to the Degree of Bachelor of Music Education, or the Curriculum Leading to the Degree of Bachelor of Science in Education with a Major in Music.

A student wishing to offer a major in music theory or applied music in partial fulfillment of the requirements for graduation with a degree of Bachelor of Arts will be expected to meet requirements as prescribed for such a major in conference with the head of the department.

*On Leave 1961-62
Minors in Music.

Students wishing to materialize a concentration or minor in music under the curriculum for elementary teachers will be expected to follow the prescriptions for such a minor outlined under Curriculum for Elementary Teachers Leading to the Degree of Bachelor of Science in Education, Section on Music.

All others wishing to offer music as a minor in partial fulfillment of the requirements for graduation will be expected to meet requirements for such a minor as prescribed for them in conference with head of the department.

A teaching minor for Music majors may be had with the advice of the departmental chairman.

FRESHMAN ADMISSION

Students are admitted to a curriculum with a major or minor in music on evidence of a degree of talent in the field.

TRANSFER STUDENTS

All work in Music transferred to this College must be validated by successful completion in this College of more advanced courses in each of the several areas of instruction included in the respective curriculum under which the student proposes to graduate.

Music for Non-Music Majors

To students majoring in areas outside music, the Music Department offers elective courses in Music, Band, Choir, Chorus, Orchestra, and applied music lessons in Band and Orchestral Instruments, Organ, Piano and Voice.

Opera Workshop. The opera workshop is an extra-curricular service provided by the department to give students experiences they will need in teaching. (Operettas, musicals and operas). Each year music students from the department participate in the operas with the San Antonio Symphony Opera Festival.

Chamber Music. Small ensembles are formed because of various needs for specific occasions. (Quartets—vocal and instrumental, Piano Duos, Brass ensembles, Wood Wind ensembles, and madrigal groups.)

Scholarships

Music scholarships are available through competitive audition for the Faculty of the Music Department, Fine Arts Building. These scholarships are provided from:

Music Scholarship Fund
The Max Reiter Scholarship Fund
The Phi Mu Alpha Sinfonia (Gamma Phi Chapter Fund)
The Alpha Muse Girls' Music Sorority Fund
Mu Phi Epsilon Girls Music Society Fund

Full and partial scholarships are available. For further information, please contact the Chairman of the Music Department.

CURRICULUM LEADING TO THE DEGREE OF

BACHELOR OF MUSIC EDUCATION

(128 hours; includes certificate)

Teacher Education Program

Notes 1. The music major requires 48 semester hours as a minimum.
2. No minor is required.

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<th>Hours</th>
<th>Sophomore Year</th>
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15-16
### Junior Year

#### Semester I

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<td>Government 61</td>
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<td>Ensemble</td>
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<td>Education</td>
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<tr>
<td>Government 62</td>
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<td>(or Bible)</td>
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#### Semester I

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Six (6) hours of electives in music are permissive.

Of the 128 semester hours of work required for graduation, 40 hours must be advanced.

For all-level certification, that is, to teach music in all twelve grades of the public schools of Texas, the student is required at the time of his graduation with a major in music and music education to be able to exhibit credit earned in Music Education 143, in one course in elementary education (Education 147, Child Growth and Development, unless given permission to substitute another course for it), and in Education 281, Directed Teaching (Elementary).

### ENSEMBLES

All Music curricula require participation in an ensemble: Band, Orchestra, Chorus, or Choir. One hour of credit per semester is granted toward graduation for such participation. A student may participate simultaneously in more than one ensemble, depending on his course load; he may not, however, use toward graduation more than one hour of such credit earned in one and the same semester.
A student making a major of Music may count a maximum of 8 such hours of credit as part of the total hourage required for graduation; but all others, only 4 hours of such credit. But not fewer than 2 hours may be so counted in any one ensemble.

Courses in ensembles carrying credit are numbered 1, 3, 5, 9, 11, 13, 15; those carrying no credit are numbered 0. In enrolling for an ensemble the student is expected to identify it on his schedule by the name of the field it represents and the sequence in which elected, e.g., Chorus 1, 3, 5, etc.

All music majors must belong to a major ensemble each semester.

All Music majors and minors must participate in minor ensembles (Brass ensemble—Woodwind ensemble—Voice ensemble, etc.) until a proficiency level of ensemble work has been reached.

APPLIED MUSIC FOR MAJORS IN MUSIC EDUCATION

Private Lessons

Courses numbered 11, 12, 61, 62, 111, 112, 161, 162 are the number designations of the courses in applied music (private lessons in Piano, Organ, Voice, or a band or orchestral instrument) for the Music Education major. Courses thus numbered indicate 2 lessons and 8 hours of practice per week and carry 2 hours of credit per semester. Courses thus numbered may, however, be enrolled for as courses 11a, 11b, etc. When thus divided and numbered, they indicate respectively one lesson and 6 hours of practice per week and carry one hour of credit per semester.

Class Lessons

Courses numbered 1, 3, 5, 7 designate class instruction in Piano, Organ, Voice, Strings, Brass, Woodwinds, and Percussion. These courses are offered primarily to assist the student in preparing to meet the minimum requirements in secondary Piano, Organ, Voice, or band or orchestral instruments. Two one-hour meetings and 4 hours of practice per week are required; one hour of credit per semester is granted.

NOTE.—In enrolling for a course in applied music the student is expected to identify it by the name of the field it represents and the sequence in which elected, e.g., Voice 11a, 11b, etc.; Piano 1, 3, 5, etc.

APPLIED MUSIC FOR THE GENERAL STUDENT

Private Lessons

Courses E1, E2, O1, and O2 are available to the general student.

E1 designates one lesson and 6 hours of practice per week and carries one hour of credit per semester.

E2 designates 2 lessons and 8 hours of practice per week and carries 2 hours of credit.

O1 designates one lesson and 6 hours of practice per week and carries no credit.
O2 designates 2 lessons and 8 hours of practice per week and carries no credit.

Students registered in courses O1 and O2 will be asked to withdraw when the required practice is below minimum or when progress is not satisfactory.

Class Lessons

Class instruction in Piano, Organ, Voice, and in band and orchestral instruments, though primarily for Music majors and minors, is available to the general student.—See the section on applied music for majors in Music Education.

In the case of the general student not fewer than 2 hours of credit in applied music earned by class instruction may be counted toward graduation as earned in any one area nor a total of more than 4 hours of such credit.

Proficiency examination in all applied music, given by the faculty of the particular areas, must be passed at the end of the Junior year.

All music majors and minors are required to take Jury examinations each semester.

All music majors must pass departmental proficiency examinations in their secondary areas according to departmental satisfaction. Failure to reach this proficiency level requires the student to continue in the secondary area with 0 credit until the proficiency requirements have been met.

MUSIC FEES

Fees for 11-12, 61-62, 111, 112, 161, 162 and E2, and O2.

Two lessons per week
Lesson Fee $35.00 per semester
Practice Fee 2.00 per semester

Fees for 11a, 11b, E1, and O1.

One lesson per week
Lesson Fee $18.00
Practice Fee 2.00

Fees for class lessons except ensembles numbered 1, 3, 5, etc.
For Music Majors and Minors, practice fee only, $2.00 per semester.

For the General Student
Lesson Fee $8.00
Practice Fee 2.00
RECORDALS

Student recitals will be given each Thursday evening. These recitals are comprised of the piano, instrumental and vocal areas as well as small ensembles. Senior students in applied music must give full recitals.

Visiting Artists, visiting alumni, and faculty present monthly recitals and lectures.

The Allied Arts Concerts and attractions are available for all students. The San Marcos Civic Music series is available to all students.

Attendance for these recitals and attractions, provided for the benefit of the music students, is required. Therefore, each student must attend 75% of these performances.

COURSES IN MUSIC

(HISTORY-LITERATURE—THEORY-CONDUCTING)

All advanced courses presuppose junior standing and credit for Music 61, 62 unless indication is made to the contrary in reference to any given course.

1, 2. Survey of Music Literature. (2-0) Credit, 1 hour each. A study, through listening to recordings and personal performance, of the characteristic examples of music literature with emphasis on greater enjoyment and understanding. The aim of this course is to provide a rich background of experience with music in order that theoretical and applied study may be more meaningful.

This course is required of students making a major or minor of Music and is open for elective credit to others.

11, 12. Fundamentals of Music. (3-0) Credit, 3 hours each. A course in sight singing, ear training, dictation, keyboard and written harmony emphasizing diatonic chords. Creative writing in small instrumental and vocal forms. Analysis, contrapuntal implications.

This course is required of students making a major or minor of Music and open for elective credit to others. Music 11, which may be elected for credit independently of Music 12, is required of all students enrolled under the curriculum for Elementary Teachers.


67. Music History and Appreciation. (3-0) Credit, 3 hours. A study of the origin and development of the chief vocal and instrumental forms
of music literature representative of the various epochs of musical history, designed to net the student a greater appreciation of the many types of music that he hears today.

Open to all students of at least sophomore standing, but not for credit for students majoring in music except by special permission of the Director of Music.

107. Fundamentals of Conducting. (2-0) Credit, 2 hours.

117. Instrumental Conducting. (2-0) Credit, 2 hours. For instrumental music majors and minors. Score reading, interpretation, etc. Prerequisite: Music Education 107.

127. Choral Conducting. (2-0) Credit, 2 hours. For vocal majors and minors. Score reading, interpretation, etc. Prerequisite: Music Education 107.

131, 132. Form Analysis. (2-0) Credit, 2 hours each. Analysis of the structure of the chief musical forms from simple binary and ternary forms through the sonata form. Homophonic and polyphonic analysis. Creative writing for illustrative purposes.

The first half of this course may be elected for credit independently of the second half.

Note: Music 132 is available to graduate students as 132g, a variant of 132, carrying 3 hours of credit.

137, 139. The History of Music. (2-0) Credit, 2 hours each. A study of the development of music from the earliest historical records to the present time.

Either half of this course, independent of the other, may be taken for two semester hours of credit.

Note: Music 139 is available to graduate students as 139g, a variant of 139, carrying 3 hours of credit.

140. Elementary Music Literature. (3-0) Credit, 3 hours. A survey of outstanding literature on the subject of elementary music, with special attention given to the most recent publications in the field.

141. Advanced Music Literature. (3-0) Credit, 3 hours. A comprehensive survey of music literature at the advanced level. In addition to an examination of traditional music, an attempt will be made to locate outstanding music of contemporary writers.

153. Instrumental Organization: Problems and Techniques. (3-0) Credit, 3 hours. The study of all phases of the instrumental music program.

203. Advanced Theory Review. (3-0) Credit, 3 hours. A review of the basic principles of diatonic and chromatic harmony, form analysis, and counterpoint. Emphasis is placed upon the application of these
principles to teaching in the classroom and studio and in rehearsing bands, orchestras, and choirs.

213. Survey of Twentieth Century Music. (3-0) Credit, 3 hours. The purpose of this course is to place emphasis upon music of the modern period and to trace its development from music of earlier periods. Numerous examples of vocal and instrumental works in both large and small forms are used to illustrate twentieth century styles and trends.

215. Orchestral and Choral Arranging. (3-0) Credit, 3 hours. Designed to acquaint the student with principles of orchestral and choral writing and arranging, to enable him to read orchestral and vocal scores, and to edit vocal and instrumental music with emphasis upon music suitable for the public schools.

223. Tests and Measurements in Music. (3-0) Credit, 3 hours. An examination of the available achievement and aptitude tests in music.

225. Counterpoint. (3-0) Credit, 3 hours. Elementary counterpoint with emphasis upon knowledge and appreciation of counterpoint as encountered in teaching and in performance. Writing and analysis.

225. Composition. (3-0) Credit, 3 hours. Practice in the smaller forms to develop creative talent and interest and to enhance the student's appreciation of the art for purposes of teaching.

249. Introduction to Musicology. (3-0) Credit, 3 hours. This introductory course in musicology differs from the other courses offered by the Department of Music in that it attempts a synthesis of all music knowledge with particular emphasis on musical acoustics, psychology, musical aesthetics, traditions of interpretation, and the philosophy of music history. It is a survey course in the field of musical research that concerns itself primarily with music as an art and as a science.

251. Problems in Music. (3-0) Credit, 3 hours. This course offers the student the opportunity to pursue the study of one or more problems in music that hold special interest for him or offers opportunity for professional improvement and growth. (Conducted as a seminar course.) This course is open to music students on an individual basis by arrangement with the department.

253. Problems in Music. (3-0) Credit, 3 hours. This course offers the student the opportunity to pursue the study of one or more problems in music that hold special interest for him or offer opportunity for professional improvement and growth. (Conducted as a seminar course.) This course is open to music students on an individual basis by arrangement with the department.

289. Supervision of the Public School Music Program. (3-0) Credit, 3 hours. A course planned primarily for music supervisors and for music teachers. Open also to school superintendents and principals who desire to become familiar with music problems in the public schools. Attention will
be given to the organization and administration of all types of music programs. Among the problems to be discussed are the following: plans for developing a music program, cost of operation, selection of teachers, sources of materials and equipment, and scheduling of special groups (orchestras, glee clubs and choruses, instrumental classes, and bands).

313, 317. Problems in Music. (3-0) Credit, 3 hours each. This course offers the student the opportunity to pursue the study of one or more problems in music that hold especial interest for him or offer opportunity for professional improvement and growth. The first half of this course may be elected for credit independently of the second half.

Conducted as a seminar course.
IV. DIVISION OF FOREIGN LANGUAGE

Sound knowledge of the languages, the literatures, the basic philosophical attitudes and the culture patterns of the people concerned are the principal objectives of the Division of Foreign Languages.

French 13, 15, German 13, 15, and Spanish 13, 15 involve three hours of class work and two hours of laboratory a week and carry eight semester hours of credit each. The first half of each of these courses, i.e., French 13, German 13, and Spanish 13, is planned for students who have no previous instruction in the particular foreign language indicated by the course name. Students who present as many as two high-school units in a foreign language as college entrance credit will normally take the course numbered 15 as their first course in college if the language they choose to study is the same as the one in which their high-school credit was given. The course numbered 15 may be elected for independent credit but credit earned in the course numbered 13 becomes valid only upon completion of the course numbered 15 also.

The student should understand, however, that credit already earned in one foreign language does not bar him from college credit for a course numbered 13 in another foreign language.

In any case the departmental staff concerned may depart from the above stated placement procedure and place a student in the course in which his best interests may be served.

BACHELOR OF SCIENCE IN EDUCATION DEGREE

(128 hours; includes certificate)

Notes: 1. Twenty-four to twenty-six hours are required for the major (or first or second teaching field) in either Spanish or German.
2. French is available only as a minor of 18 hours for Bachelor of Arts or as an elective.
3. Fourteen (14) hours minimum are required in two of the following: science, mathematics, foreign language.
4. Recommended second teaching fields: Spanish, German, English, Social Science, Speech or one from the Division of Sciences.

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FOREIGN LANGUAGE

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27-30

BACHELOR OR ARTS DEGREE

(128 hours)

Notes: 1. Twenty-four to twenty-six hours are required for the major in either Spanish or German.
2. French is available only as a minor of 18 hours or as an elective.
3. A certificate is available with this degree but may require extra hours.
4. Suggested minors: Spanish, German, English, Social Science, Speech or one from the Division of Sciences.

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13, 15. **Beginners' Course in French.** (3-2) Credit, 4 hours each. An intensive course for students who have had no previous instruction in French. Emphasis will be placed on accuracy of pronunciation, knowledge of the essentials of grammar, and the acquisition of reading knowledge.

71, 72. **Conversation and Readings in French Literature.** (3-0) Credit, 3 hours each. The first half of this course is designed to insure accuracy of pronunciation, a more nearly complete knowledge of grammar, and improvement of oral skills. French 72 will continue attention to pronunciation, grammar and oral skills, but will have as primary objectives the ability to read with ease French of average difficulty and an acquaintance with some of the more important trends of French literature and contemporary thought.

Prerequisite: French 13, 15 or equivalent, or three accredited high school units in French and consent of the instructor.

131, 132. **Modern French Novel.** (3-0) Credit, 3 hours. The work of the first semester will include a study of the novel from the beginning of the nineteenth century to the conclusion of the century. The work of the second semester will continue the study of the novel to the present time.

171, 172. **French Literature in English Translation.** (3-0) Credit, 3 hours each. These two courses are designed to acquaint the student with some of the more important contributions of French literature to the progress of human thought and aesthetics. No knowledge of French is required. The work of the first semester will be based on some of the outstanding works from the beginnings of French literature to the end of the eighteenth century. The work of the second semester will deal with French literature from the beginning of the nineteenth century to the present.

The work of either semester may be elected as an independent course for three semester hours of credit.

Prerequisite: Junior standing.
13, 15. Beginners' Course in German. (3-2) Credit, 4 hours each. Drills in learning native patterns; learning to vary these patterns; using them freely in new concepts is the basis for these two courses. By memorizing the German materials in class work and home study, students will learn grammar and syntax as well as the vocabulary.

Language Laboratory: Each student will have access to tapes on which are recordings by native German speakers. These tapes have oral materials which are correlated with the classroom text. This facility is designed to help each student develop an accurate pronunciation as well as acquire a high degree of fluency.

71, 72. Masterpieces in Modern German Literature. (3-0) Credit, 3 hours each. Intensive study of a number of carefully selected modern German dramas, lyric poems, novels and short stories. Parallel readings and reports.

This course is designed as an introduction to the study of German literature from the literary and cultural side. It will, however, continue progressively the disciplines in syntax and composition, both oral and written. begin in courses prerequisite to it.

Prerequisite: 13, 15 or equivalent.

113, 114. Survey of German Literature. (3-0) Credit, 3 hours each. The first semester will deal with German literature from its beginning through 1750. The second semester will deal with German literature from 1750 to the present. German 114 will not be available to students who have taken German 113 previous to the fall semester, 1962.

117. Lessing, Goethe, Schiller. (3-0) Credit, 3 hours. Lectures on the life and works of Lessing, Goethe, and Schiller. Intensive study of representative works of those authors with special reference to the poetry of Goethe. Collateral readings; oral and written reports.

123. Modern German Lyric and Drama. (3-0) Credit, 3 hours. A survey of the development of German verse from Klopstock to the present time including a study of the Volkslied as a literary genre and its influence upon the German lyric.

Intensive study of selected dramas by Hebbel, Otto Ludwig, Hauptmann and other representative modern German dramatists.

*On leave 1961-62
127. Modern German Novel and Short Story. (3-0) Credit, 3 hours. Intensive study of the novel as represented by Fontane, considered as the pioneer of the modern German novel, and by more recent novelists, and of the short story, notably as represented by the four acknowledged masters of this mode in Germany—Storm, Heyse, Keller and Meyer. For collateral assignments, works of fiction are chosen that serve as exponents of new literary movements, that reflect interesting phases of life and thought or that embody tendencies characteristic of certain periods.

261. Studies and Periods in German Literature. (3-0) Credit, 3 hours. In this course emphasis will be placed on periods of German literature (e.g. Storm and Stress, Classicism, Realism, Romanticism). The work of this course will be designed so that the student will do intensive reading and individual research. Because of the individualized nature of the studies, the course may be taken more than once for additional credit.

SPANISH

Associate Professor Buckner
Assistant Professors Meredith*, Phillips
Instructor Paxton

Because of the unique practical value of Spanish in this region special emphasis is placed on the development of conversational skill through oral drill and the use of laboratory sound equipment in all elementary and intermediate classes.

13, 15. Beginners' Course in Spanish. (3-2) Credit, 4 hours each. The work includes the fundamentals of grammar, a reasonable amount of reading, and a great deal of practice in oral and written composition. Three hours of class work and two hours of laboratory a week.

71, 72. Conversational Spanish. (3-0) Credit, 3 hours each. It is the primary purpose of this course to give the student an opportunity to develop an accurate oral use of the language, based on a sound understanding of structure. Reading will be incidental to the oral objective.

Completion of Spanish 71, 72, or equivalent, is prerequisite to any course bearing a number above 100.

Prerequisite: 13 and 15 or three years of high school Spanish.

131, 132. Modern Spanish Novel. (3-0) Credit, 3 hours each. The work of the first semester will include a study of the novel from the beginning of the costumbrista movement in the nineteenth century to

the Generation of 1898. The work of the second semester will continue the study of the novel to the present time.

The work of either semester may be elected as an independent course for three semester hours credit.

141. Advanced Grammar and Composition. (3-0) Credit, 3 hours. The work of the course is intended to perfect the students' knowledge of grammar and phonetics and to give the greatest possible facility in the use of Spanish as a medium for original expression. It will involve extensive work in oral and written composition based largely on material of value as a background for teachers of Spanish.

217. Modern Spanish Poetry and the Modernista Poets of Spanish America. (3-0) Credit, 3 hours. A study of the poetry of Spain from the beginning of the nineteenth century to the present, and of Spanish America from the precursors to the modernista movements to the present. Conducted in Spanish.

223. Modern Drama of Spain. (3-0) Credit, 3 hours. From the beginning of the Romantic movement to the present. Some of the more important representative works of Spanish American dramatists will be included for purposes of comparative study. Conducted in Spanish.

213, 226. Survey of Spanish Literature. (3-0) Credit, 3 hours each. The first semester will deal with Spanish literature from its beginning through the 18th century. The second semester will deal with Spanish literature from the 19th century to the present. Emphasis will be placed on the works and authors that are the more adequate expressions of the thought and culture patterns of their times and that have projected their influence into subsequent periods. Spanish 226 will not be available to students who have taken Spanish 213 previous to the fall semester, 1962.

227. The Spanish American Novel. (3-0) Credit, 3 hours. Emphasis will be placed on novels that present reliable interpretations of Spanish-American life and that have the highest level of aesthetic value. Both aesthetic and sociological factors will be stressed.

240, 241. Concentration Courses on Oral and Aural Drill. (3-3) Credit, 6 hours each. These two courses involve an intensive use of laboratory work and oral drills with the aim of giving the student, by means of such concentration, the time and opportunity to develop a greater mastery of the language, both orally and aurally. Each registrant for this course will be expected to follow a program of intensive drill in the oral use of Spanish, designed for his individual needs. Prerequisite, consent of the head of the division of foreign languages and the instructor. These courses will usually be offered during the summer session.

251. Modern Spanish and Spanish-American Essays. (3-0) Credit, 3 hours. This course involves a rather comprehensive survey of the

*See Course Numbers, under Admission and Graduation Requirements.
modern essay in Spain and Spanish America and an intensive study of some of the most significant works in this field. The course will be conducted entirely in Spanish and will emphasize student discussion relatively more than lectures.

261. Studies and Problems in Spanish and Spanish-American Literature of the Nineteenth and Twentieth Centuries. (3-0) Credit, 3 hours. The work of this course is designed primarily to encourage graduate students who would make a minor of Spanish in the pursuit of studies in keeping with individual interests and initiative. Because of the individualized nature of the studies, the course may be taken more than once for additional credit.
V. DIVISION OF HEALTH AND PHYSICAL EDUCATION

Professors Juel, Smith
Associate Professors Jowers, Lancaster
Assistant Professors Avent, Gamble, Gensberg, Hughes
Instructors Broxton, McDonald, Reeh, Stillman, Forester, Kirchoff

The division of health and physical education offers each college student an opportunity to participate in wholesome vigorous activity for the development of social relationships and to help produce more abundant health. It also offers an opportunity to acquire skills and knowledge which will offer a rich and satisfying pursuit of leisure time.

The major purpose of the division is to prepare teachers of health and physical education and coaches of athletics for the public schools; however, there are many other opportunities for those interested in this field. Increased professional opportunities are found in the related areas of youth work (i.e., scouts), group work, community and industrial recreation, public health, camp counseling, and careers in the area of outdoor education as well as physical therapy and recreational therapy.

A course in physical education activities is required of all students enrolled in the college for the first four semesters of residence work. The following students may, however, at their discretion, substitute credit earned in other courses for that which they would be expected normally to attain in physical education activities: (a) students twenty-three years of age or over at the time of their initial matriculation in the College, (b) married women with children, and (c) veterans. Persons who have served six months or less in the Armed Service will not be considered as exempt from the requirement. These exemptions do not apply to students who are taking a major or minor in health and physical education. Sophomore students may defer activities for the summer terms, provided all work is completed to date.

All women students other than those taking a major or minor are expected to absolve Physical Education 1 sometime during their freshman year, and men students are expected normally to enroll for course 21. During the freshman and sophomore years a woman student must take a course in rhythmics, in an individual sport, and in a team sport. The selection of the courses to be taken must be made with the consent of the department. A student may enroll in a course in Physical Education Activities during each semester that he is in residence and thus may offer toward graduation a total of eight hours of credit earned in such courses, provided that, unless he is making a major or minor of Physical Education, he may not receive credit for two such courses in the same semester.

Credit earned in Physical Education Activities 13 or 16 may not be used to absolve the 4-semester hour requirement in Physical Education Activities except with special approval.
If a disability is revealed from the health examination, the physical education of the student in question will be adjusted accordingly. If a student has knowledge of a disability that should restrict his participation, he should see the college physician prior to enrollment and his case will be adjusted upon receipt of the recommendation of the college physician.

CURRICULUM FOR MEN. Men wishing to major in health and physical education may do so by enrolling under either the Curriculum for High School Teachers leading to the degree of Bachelor of Science in Education or under the curriculum leading to the degree of Bachelor of Arts with the inclusion of the courses required to qualify for a provisional high school certificate.

Men enrolled under the curriculum for high school teachers wishing to offer toward graduation a minor in health and physical education will be expected to absolve the following courses:

Physical Education 41 or 42, 54, 111, 113, 115, 251; physical education activities, six semester hours.

Activity courses carry one semester hour of credit each; all other courses carry credits of three semester hours each unless otherwise indicated under the respective course descriptions.

BACHELOR OF SCIENCE IN EDUCATION DEGREE

(128 hours; includes certificate)

Notes: 1. Thirty-two (32) hours minimum are required in Physical Education for men.

2. A minor (second field) must be completed.

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<th>Sophomore Year</th>
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<td>English 11, 12</td>
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32-37
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CURRICULUM FOR WOMEN. Women wishing to major in health and physical education may do so by enrolling under either the Curriculum for High School Teachers leading to the degree of Bachelor of Science in Education or under the curriculum leading to the degree of Bachelor of Arts with the inclusion of the courses required to qualify for a provisional high school certificate.

Women wishing to prepare for a coaching career may elect to take advanced skill courses and the coaching courses in addition to the prescribed major or minor course outline.

Students wishing to complete a teaching field in health education will register for Health Education 138, 140, 148, 175; Home Economics 175; Physical Education 47; and nine hours from Biology 63, 111, 112, 113, 115; Industrial Arts 118 and 210.

BACHELOR OF SCIENCE IN EDUCATION DEGREE
(128 hours; includes certificate)

Notes: 1. Thirty-two (32) hours minimum are required in physical education for women.
2. A minor (second field) must be completed.

Plan I

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166 HEALTH AND PHYSICAL EDUCATION

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BACHELOR OF SCIENCE IN EDUCATION DEGREE

(128 hours; includes certificate)

Notes: 1. Certification is in Health and Physical Education only with thirty-six (36) hours required.

2. Twelve hours (12) in supporting courses are required to be selected from Biology 63, 111, 112, 113 and 115; Industrial Arts 118 and 210; Home Economics 103, and 175.

PLAN II

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<td>Health Education 24</td>
<td>1</td>
<td>Health Education 138</td>
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<td>English 11, 12</td>
<td>6</td>
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<td>History 31, 32</td>
<td>6</td>
<td>Government 61, 62</td>
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<td>Biology 51, 52</td>
<td>6</td>
<td>Chemistry 43, 47</td>
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</tr>
<tr>
<td>Speech 13</td>
<td>3</td>
<td>Supporting courses</td>
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<tr>
<td>Mathematics or foreign language</td>
<td>3-8</td>
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</table>

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   29-34

*Elective physical education courses are to be selected from Physical Education 251, 155, 45, 207, 213, 147.
HEALTH AND PHYSICAL EDUCATION 167

Junior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Senior Year</th>
<th>Hours</th>
</tr>
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<tr>
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<tr>
<td>136, 139, 149</td>
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<td>214, 251</td>
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<tr>
<td>Physical education activities</td>
<td>2</td>
<td>Education</td>
<td>2</td>
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<tr>
<td>Health Education 140</td>
<td>2</td>
<td></td>
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<tr>
<td>Education</td>
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<td>including 291, 292</td>
<td>12</td>
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<tr>
<td>Humanities 101</td>
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<td>(or Bible, 113)</td>
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<td>Electives</td>
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<td>Supporting courses</td>
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<td>Electives</td>
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<td>30</td>
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<td>31</td>
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</table>

PHYSICAL EDUCATION ACTIVITY COURSES

1. Freshman Course in Physical Education for Women. (0-3) Credit, 1 hour. The course presents ten weeks of health orientation for college-living. The remainder of the course is devoted to study and participation in body mechanics and conditioning exercises. This course is to be taken during the freshman year.

2. Individual and Dual Activities. (0-3) Credit, 1 hour. Courses will consist of individual and dual activities designed to aid the student in developing skills and physical health. A student may repeat in this area only with the permission of the department.

4. Team Activities. (0-3) Credit, 1 hour. Courses will consist of team activities designed to aid the student in developing skills and physical health. A student may repeat in this area with the permission of the department.

6. Aquatic Activities. (0-3) Credit, 1 hour. The standard American Red Cross water safety and small craft program will be used. Satisfactory completion of any part of the program will entitle a student to the appropriate certificate. A student may repeat a course only if working on a different certificate.

8. Rhythmical Activities. (0-3) Credit, 1 hour. The course presents the techniques and theory of fundamental body movements as used in the various forms of dance. It is designed to enrich movement vocabulary, space usage and floor patterns, thus opening new approaches to creative composition in dance through exploratory experiences. It also seeks to help the individual understand the broad cultural background of dance as an art form. A student may take more than one course in this area by permission of the department.

21. Required Activities for Men. (0-3) Credit, 1 hour. Swimming, tennis, handball, volleyball, basketball, softball, boxing, tumbling and touch football are taught throughout the year. Certain standards of achieve-
ment are required of all men in their first activities before being entitled to release from the requirements in physical education. Activities are run concurrently so that a student may learn an activity needed for completion of requirements, or if completed, he may choose another activity in which he may be more interested. (This course may be repeated).

21R. Restricted Activities for Men. (0-3) Credit, 1 hour. This course is designed for those men who have physical disabilities which prevent them from taking the regular course. After conferences with the health service, activities are prescribed which are within the range of the disability of the individual.

22. Elective Activities for Men. (0-3) Credit, 1 hour. Football, basketball, tennis, track, swimming, baseball and other sports are scheduled independently by name. At the close of the season of an intercollegiate sport, men must finish the semester in a class of required activities in order to receive credit. This time should be used to work off any needed requirements that have been noted in course 21. This course may be repeated.

24. Individual Physical Fitness. (0-3) Credit, 1 hour. This is a special course in individual physical fitness. It is for the men who feel the need for getting into better physical condition and who desire to stay in shape the rest of their lives. Physical fitness will be tested at the beginning and a graph of improvement will be kept by each student during the course. Individual needs will be considered in the selection of varied activities and particular attention will be paid to the control of obesity and the development of the necessary strength and endurance for daily needs. It may be elected by anyone or taken in lieu of the physical education regularly required.

29. Adapted Activities for Women. (0-3) Credit, 1 hour. This course is open to students upon the recommendation of the department and the college physician. The purpose of the course is to provide a program designed to meet the individual needs of a physically handicapped student.

PHYSICAL EDUCATION COURSES

41, 42. Physical Education Activities. (3-3) Credit, 3 hours each. The object of the courses is to introduce the basic skills of the most important activities of the school program. Course 41 deals with volleyball, handball, softball, touch football, soccer and tumbling; 42 with boxing, wrestling, swimming, lead-up games and calisthenics.

45. Camp Leadership. (2-3) Credit, 3 hours. This course is planned to meet the needs of those who are preparing for positions in summer camps. The work includes an extensive study of literature on camping, group discussion of camp problems, and actual participation in the various activities of camps. Each student will devote a portion of his time to a specific camping problem, and those with similar problems will be encouraged to work together in small informal groups.
47. Introduction to Health, Physical Education, and Recreation. (2-0) Credit, 2 hours. The course consists of a survey of careers in these fields and in related fields. There is an emphasis placed on orientating students to the professional qualifications needed for successful work and helping the students in planning for future careers.

53. Sports Officiating for Men. (2-2) Credit, 3 hours. This course is designed to teach the rules of various sports with major emphasis on football, basketball, track and softball. Standard practices and techniques of officiating will be examined. Opportunities for practical demonstrations in rules knowledge and officiating procedure will be utilized.

54. Accident Prevention and First Aid. (3-0) Credit, 3 hours. A lecture and laboratory course designed to cover Home Accidents and Prevention and to fulfill requirements for an instructor's rating in first aid by the American Red Cross.

55. The Theory and Practice of Officiating. (1-1) Credit, 1 hour. Instruction and practice will be given in officiating badminton, tennis, basketball, and volleyball. National, state, or intramural ratings may be earned. Opportunities are provided for experience in intramurals in college and tournaments in high school.

56. Prevention and Care of Athletic Injuries. (3-3) Credit 3 hours. A course in the practical and theoretical study of massage, taping, bandaging, care of sprains, bruises, strains and wounds. A course designed to acquaint the student with the problems of the athletic training room and to provide him with the practical instruction to aid in the solution of these same problems.

101. Athletic Coaching. (3-3) Credit, 3 hours. This is a course in the coaching of football, baseball, tennis, and golf for students who would like to assist in these sports but who prefer to emphasize phases of physical education other than coaching. Methods of coaching are studied through lectures, demonstrations, practice, and reading of present day literature on the sports.

111. Administration of Health Education. (3-0) Credit, 3 hours. In this course, the complexities of administering and integrating a complete health education program are revealed and ways are studied through which the several phases may be coordinated. Some specific items are health examinations, daily observations, health handicaps, health rules and fallacies, weight and growth, and sanitary surveys. Several courses of study will be examined and evaluated.

113. Organization and Administration of Physical Education. (3-0) Credit, 3 hours. The scientific selection of activities for a public school program; the placement, time allotment, and the rotation of students on courts and fields; general and routine administration of the school program; facilities with which to conduct the program; general procedures and policies.
117. The Physiology of Exercise. (3-0) Credit, 3 hours. The application of physiological principles to health and physical education which will make a difference in the program if applied along with an analysis of the manner in which the body reacts to the exacting requirements of exercise.

136. Materials for Rhythmical Activities. (2-2) Credit, 2 hours. This course is concerned with the history and philosophy of dance in its various forms. The investigation of available writing and recorded materials serves as a basis for further exploration in this field.

137. Kinesiology. (3-0) Credit, 3 hours. This is a scientific course designed to provide a technical knowledge of human anatomy and motor movements, body mechanics and recognition of deviation from normal body alignments in individuals.

139. Theory, Techniques, and Application of Sports Activities. (3-2) Credit, 3 hours. Study and presentation is made of the techniques and theories underlying sports activities, and their application to practical situations. Special emphasis is placed upon aids, equipment, organization, control and management, and classification of participants. Prerequisite: Permission of the department.

147. Programs for the Handicapped. (3-0) Credit, 3 hours. The course includes a study of the problems of and physical activities needed by the orthopedically handicapped child and the administration and organization of a therapeutic program. Physical disabilities studied include postural deviations, poliomyelitis, epilepsy, cardiac conditions, cerebral palsy, lowered vitality, hearing defects, and visual defects.

149. Principles of Health and Physical Education. (3-0) Credit, 3 hours. The course is designed to investigate social, political, economic, historical, psychological, and biological backgrounds as sources for forming basic principles in relation to the area of health and physical well-being. Specific units of work include a study of the nature of man, psychology of acquiring motor skills, and cultural changes and influences.

152. Sports Officiating for Men. (3-2) Credit 3 hours. This course is designed to teach the rules of various sports with major emphasis on football, basketball, baseball and track. Standard practices and techniques of officiating will be examined. Opportunities for practical demonstrations in rules knowledge and officiating procedure will be utilized.

155. Physical Education Activities for Children Five to Twelve Years of Age. (3-3) Credit, 3 hours. The course includes a study of the principles, content, and program planning for children five through twelve years of age. O laboratory period provides opportunity for the student to acquire skill in applying these principles.

161. Theory and Technique of Coaching Girls' Tennis. (1-3) Credit, 2 hours. Intensive study and practice of the analysis of skills, methods and techniques of coaching, presentation of team management, training
163. Theory and Technique of Coaching Girls' Basketball and Volleyball. (1-3) Credit, 2 hours. Intensive study and practice is made of the analysis of skills, methods and techniques of coaching, presentation of team management, training program, methods of evaluation, techniques of scouting, ethics of coaching, organizing and conducting tournaments, and care and selection of equipment. Prerequisite: Permission of the department.

183. Recreational Leadership. (2-2) Credit, 3 hours. This is essentially a course to prepare leaders for recreational enterprises both in the school and in the community. A study is made of the theories of play, the present-day trends in recreation, and the contribution of physical education to community recreation. Emphasis is placed on the coordination of recreational facilities, the content of programs for various groups in relation to age and interest, and the administration and evaluation of community recreation. When practicable, Sewell Park and the City Recreation Park are used as laboratories for this course.

191. Football Coaching. (3-3) Credit, 3 hours. Open to men who have been on a collegiate football, basketball, baseball, or track squad for at least one full season prior to entering the course. Students must also take part in the regular football practice while enrolled in the course. In the classroom, a thorough study will be made of the phases of the game that pertain to coaching a team.

192. Basketball and Track Coaching. (3-3) Credit, 3 hours. Open to men who have been on a collegiate football, basketball, baseball, or track squad for at least one full season prior to entering the course. Regular practice will be required of all members of the class while enrolled in the course. In the classroom, a thorough study will be made of all phases of the sports that pertain to coaching basketball and track.

203. The Administration of Athletics. (3-0) Credit, 3 hours. A study of the various factors involved in the administration of an efficient educational athletic program. Special emphasis will be placed on the avoidance of pitfalls, embarrassing situations, and misunderstandings in order that an integrated program will result.

213. Problems in Dance Composition. (0-6) Credit, 3 hours. This course is designed to include thematic material, form and design, methods of development and criteria for evaluation. Offered upon sufficient demand. Prerequisite: Senior standing.

214. The Organization and Administration of the Health and Physical Well-Being of Girls and Women. (3-0). Credit, 3 hours. The course covers practical problems in administering the program of health and physical well-being. Among the more important problems are supervision of facilities, selection and care of equipment, and the selection and supervision of staff.
251. **Tests and Measurements in Health and Physical Education.** (3-0) Credit, 3 hours. A study will be made of tests in health, physical fitness, and skills. Practice will be given in statistical procedures useful to the physical educator and in the understanding of test results.

254. **Practices in Health Education Applied to Physical Education.** (3-0) Credit, 3 hours. Practical work that should be done by the physical educator in health appraisal of vision, hearing, and other organisms. How to make a physical fitness analysis, ways to follow up, and individual development.

304. **Psychology for Motor Learning.** (3-0). Credit, 3 hours. Intensive study is made in the nature of the scientific research, theories, of behavior development, learning and the acquisitions of motor skills, empirical principles of learning in relation to motor learning, and structural, physiological and other factors in relation to motor skill performance.

305. **Advanced Course in Tests and Measurements in Health and Physical Education.** (3-0) Credit, 3 hours. Intensive study is made of existing tests in health and physical education and the methods of test construction. Laboratory experiences are provided.

306. **Seminar in the Philosophy and Principles of Physical Education.** (3-0) Credit, 3 hours. The study of the principles and philosophy of physical education is based upon scientific and philosophical truths. Opportunity is given to survey social changes and implications to the physical education program.

321. **Workshop for Teachers in Physical Education.** (3-0) Credit, 3 hours. This workshop will deal with problems in physical education such as intramurals, curriculum, public relations, and athletics. A student may repeat this course for credit.

345. **Supervision of Health and Physical Education.** (3-0). Credit, 3 hours. This course deals with the basic principles of supervision as they apply to the field of health and physical education. This includes the planning of programs and the techniques of supervision such as interviewing, conferences, evaluation procedures, and visitations. Where possible, the students are given opportunities to practice these techniques.

346. **Literature and Research in Health and Physical Education.** (3-0) Credit, 3 hours. This course contains directed reading and reports and discussions of the literature in the fields of health and physical education, a critical analysis of research techniques, and the location and securing of information, together with the steps necessary to the solution of research problems in this field.

347. **Problems in Health and Physical Education.** (Hours and credit are arranged.) This course follows Physical Education 346 and may be taken by a student who desires to work on a research problem. He gathers pertinent data and submits a report on the results of his research.
348. Organization of the Physical Education Program for the Elementary School. (3-0) Credit, 3 hours. This course is designed to help students overcome the problems existing at the elementary level through program planning and organization in terms of the needs of the child. Discussions will focus on problems of instruction, evaluation, philosophy and the objectives to be attained. The larger role of the teacher in sharing responsibility with all other teachers and administrators will be emphasized in all aspects of school life, inclusive of the health program, the unique contribution of the physical education teachers in the educational process, the concept of the teacher as a community member, and suggestions for the improvement of the quality of professional education.

353. Curriculum Development in Health and Physical Education. (3-0) Credit, 3 hours. The planning and operation of the total health and physical education program with special attention given to overcoming difficulties peculiar to this field. Assistance will be given in preparing curriculum materials for specific purposes and situations.

390. Seminar in Athletic Coaching. (3-0) Credit, 3 hours. A course designed to explore the logical bases underlying present techniques of coaching at all levels of the secondary schools, devoted more to the "why" of coaching than to the "how."

**HEALTH EDUCATION COURSES**

24. First Aid. (1-2) Credit, 1 hour. A lecture and laboratory course in First Aid Procedure. Opportunity is given for completion of the requirements for the American Red Cross Standard and Advanced Certificates.

138. Personal Hygiene. (3-0) Credit, 3 hours. A fundamental course in principles and problems of healthful living as they apply today.

140. Community Hygiene. (2-0) Credit, 2 hours. A survey of the science of sanitation and its application to food, milk, and water supply. Study of environmental conditions in the community, home, school and the control of communicative diseases.

148. Health Principles and Practices. (2-0) Credit, 2 hours. The place of health and fitness in present society. Immunization, medical examination, mental health, alcoholism, leading diseases, and general interpretation and summary of the abundance of material covering the adolescent and adult health needs.

175. Health Education for the Elementary Teacher. (3-0) Credit, 3 hours. This course is designed to meet the state certification requirements. Its purpose is to point up the role of the elementary teacher in the total school health program with special emphasis placed upon the areas of instruction and health services. Instructional units will be developed, methods and materials will be explored, and problems connected with the teacher's association with the school health program will be discussed.
185. Workshop in Health Education for School Nurses. (3-0) Credit, 3 hours. This course is offered only upon sufficient demand in the Summer session.

311. Organization and Administration of a School Health Program. (3-0) Credit, 3 hours. This course is designed to aid a teacher in the organization and development of a functional and comprehensive health program in his own school, including both the elementary and secondary levels. Emphasis will be placed upon the co-ordination of all aspects of the program, the evaluation of the health needs of the pupils and the community, and the use of the community resources in the school health program.

Modern dance is a popular class at SWT.
VI. DIVISION OF PRACTICAL ARTS

BUSINESS ADMINISTRATION

Professors Musgrave, Erickson
Associate Professors Nichols, Cates, Parr
Assistant Professors Howard, Wilson, Reese
Instructors Whittenberg, Lann

The Department of Business Administration offers courses designed to meet the needs of two classes of students: (1) Those who plan to teach business subjects and (2) those who expect to enter some field of business or government service after graduation from college.

Courses are offered in (1) accounting, (2) office practice and secretarial science, and (3) general business administration.

Bachelor of Business Administration

(128 semester hours)

Note: 1. Major is 42 semester hours; a minor is not required.

2. Students who do not have credit for two semesters of typewriting in high school will be required to offer credit in Business Administration 23 as part of their graduation requirements. Such students should enroll for Business Administration 23 in the Freshman year and defer Speech 13 until the Sophomore year.

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<th>Freshman Year</th>
<th>Semester Hours</th>
<th>Sophomore Year</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>Business Administration</td>
<td>21 or 31, 32 or 43, 57</td>
<td>3-6</td>
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<tr>
<td>English 11, 12</td>
<td>6</td>
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<td>Business Administration</td>
</tr>
<tr>
<td>Science</td>
<td>8</td>
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<td>English (literature)</td>
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<td>Mathematics 11, 19</td>
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<td>Government 61, 62</td>
</tr>
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<td>History 31, 32</td>
<td>6</td>
<td></td>
<td>Education 53</td>
</tr>
<tr>
<td>Speech 13</td>
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<td>Economics 67, 73</td>
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34
### Business Administration

<table>
<thead>
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<th>Semester Hours</th>
<th>Senior Year</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>Business Administration</td>
<td>161, 162</td>
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<td>Business Administration, advanced</td>
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<td>Business Administration (at least 6 hours advanced)</td>
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<td>Electives, including General Education courses</td>
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<td>Humanities</td>
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<td>Electives</td>
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</table>

### Bachelor of Science in Education Degree

(128 hours; includes certificate)

**Notes:**
1. Twenty-nine (29) hours are required for the major (first teaching field.)
2. A second field (minor) must be completed.
3. Fourteen hours minimum are required in two of the following: science, mathematics, foreign language.

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Hours</th>
<th>Sophomore Year</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Business Administration</td>
<td>23 or 25</td>
<td>3</td>
<td>Business Administration</td>
</tr>
<tr>
<td>Business Administration</td>
<td>21, or 31, 32, or 43</td>
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<td>Second field</td>
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<td>Second field</td>
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<td></td>
<td>English (literature)</td>
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<tr>
<td>English 11, 12</td>
<td>6</td>
<td></td>
<td>Speech 13</td>
</tr>
<tr>
<td>History 31, 32</td>
<td>6</td>
<td></td>
<td>Mathematics, science, or foreign language</td>
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<td>Mathematics, science, or foreign language</td>
<td>3-8</td>
<td></td>
<td>Physical education</td>
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<td>Physical education</td>
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<table>
<thead>
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<th>Junior Year</th>
<th>Hours</th>
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<tr>
<td>Business Administration</td>
<td>161, 162</td>
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<td>Business Administration advanced</td>
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<tr>
<td>Second field</td>
<td>6</td>
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</tr>
<tr>
<td>Government 61-62</td>
<td>6</td>
<td></td>
<td>Education</td>
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<td>Education</td>
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<td></td>
<td>including 291, 292</td>
</tr>
<tr>
<td>Humanities 101 (or Bible), 113</td>
<td>4</td>
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<td>Electives</td>
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<td>Electives</td>
<td>0-5</td>
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</table>
Students who present one or more units in shorthand or stenography in partial fulfillment of admission requirements may not enroll for Business Administration 23 or 31 for credit. Similarly, students who present a full unit in typewriting in partial fulfillment of admission requirements may not enroll for Business Administration 23 for credit.

21. Introduction to Business. (3-0) Credit, 3 hours. A basic course in the fundamentals of business. The course is intended to give an overview of business and to develop an intelligent understanding of the realistic problems and practices of business. It includes a study of business organization and operation, business functions, and various areas of business.

23. Typewriting I. (3-2) Credit, 3 hours. An intensive course aimed at a mastery of the techniques of touch typewriting. Emphasis in the course is placed upon speed and accuracy development as well as upon applied typewriting. Students who present a unit of typewriting in partial fulfillment of entrance requirements may not enroll for this course for credit.

25. Advanced Typewriting Problems. (3-2) Credit, 3 hours. Applied office typewriting with emphasis on problem typing; typing of various business forms and reports; stencil preparation; manuscript typing; typing of legal documents; concomitant instruction in office skills, in Business English, and in the meaning and use of various business and legal forms and documents.

31, 32. Shorthand. (3-2) Credit, 3 hours each. A detailed study of Gregg shorthand with special attention given to the structure of outlines, shorthand penmanship, and the reading of shorthand notes. In course 32, emphasis is placed upon dictation and transcription. The class meets five hours a week, two hours of which are devoted especially to remedial instruction.

Students who do not present a full high school credit in typewriting or its equivalent must register for Business Administration 23 as a parallel course.

43. Dictation. (3-2) Credit, 3 hours. In this course the student who has fairly mastered Gregg shorthand theory has an opportunity to increase his speed in taking dictation. A review of the principles necessary for speed building is given as preparation for the rapid dictation which follows.

Ordinarily this course will be offered in the fall semester only. Prerequisite, 32 or equivalent. It is open to high school graduates who hold a credit in stenography.

57. Secretarial Training. (3-0) Credit, 3 hours. This course is designed to prepare the student for actual service as a commercial stenographer or a secretary. A thorough study of filing and indexing is included, and a series of practical problems is assigned.
This course presupposes an adequate knowledge of shorthand and typewriting.

61, 62. Elementary Accounting. (3-2) Credit, 4 hours each. The work of this course is planned to acquaint the student with the fundamental principles of constructive accounting. The course will include such topics as the balance sheet, the profit and loss statement, adjusting and closing entries, books of original entry, and the work sheet. Attention is given to the accounting problems of the three chief forms of organization of the present day—the single proprietorship, the partnership, and the corporation.

65. Office Management and Practice. (3-0) Credit, 3 hours. Office organization and administration; office layout and location; physical factors and environment; office services, procedures, and methods; office forms; office furniture and equipment; office machines and appliances; office personnel and supervision.

111. Money and Banking. (3-0) Credit, 3 hours. See Economics 111.

112. Corporation Finance. (3-0) Credit, 3 hours. See Economics 112.

115. Intermediate Accounting. (3-2) Credit, 4 hours. A study of fundamental accounting procedures; accounting for items entering into the preparation of the basic accounting statements; valuation of and accounting for balance sheet items, including working capital, non-current assets, and corporate capital.

116. Advanced Accounting. (3-0) Credit, 3 hours. Analytical processes; correction of errors; statement analysis; funds statement; some attention to receivership accounting and consolidated statements.

133. Business Statistics. (3-0) Credit, 3 hours. A study of the collection, organization, and analysis of data relative to units of measurement; classification and presentation; averages, index numbers, and other similar data. Emphasis is placed upon the application of statistics to business problems.

143. Marketing. (3-0) Credit, 3 hours. This course is planned to give the student a thorough understanding of the principles of marketing, and presents the problems of marketing agricultural products, raw materials, and manufactured goods. Special attention is given to retailing methods in department stores, chain stores, and mail order houses. As far as practicable, problems of marketing which concern the citizens of Texas will be included.

153. Business Communication. (3-0) Credit, 3 hours. A course designed to teach effective business writing and to give practice in composing all types of business letters, including the letter of application as a practical personal help.

157. Salesmanship. (3-0) Credit, 3 hours. Fundamentals of personal salesmanship; procedures in the selling of goods and services; psychological factors in selling; the salesman in relation to his company, to the product or service sold, and to the prospective buyer; sales management.
161, 162. Business Law. (3-0) Credit, 3 hours each. The purpose of the course is to give the student an understanding of the laws governing the more familiar business transactions and relationships. Special attention is given general contracts. Included, also, are the subjects of agency, negotiable instruments, bailments, and sales. The C. P. A. requirements in the field of business law are taken into consideration.

213. Auditing. (3-0) Credit, 3 hours. Auditing principles and procedures; auditing standards and ethics; working papers and reports.

215. Insurance. (3-0) Credit, 3 hours. Principles of general insurance. A study is made of many policy offerings in life, property, liability, and casualty lines.

*227. Income Tax Accounting. (3-0) Credit, 3 hours. Principles and problems involved in accounting for income taxes and reporting therefor; procedures in income determination; problems in tax finding; taxes in relation to managerial accounting.

*235. Problems of Business Management. (3-0) Credit, 3 hours. A study of the basic problems involved in the successful management of a business enterprise. The course will include such problems as securing the necessary capital, location of the site, buying, handling of inventories, selling, employment, public relations, etc.

265. Cost Accounting. (3-0) Credit, 3 hours. Accounting for materials, labor, and burden; job order cost accounting; process cost accounting; distribution costs; budgetary procedure, standard costs.

273. Personnel Relations. (3-0) Credit, 3 hours. Personnel relations in business, government, and industry; the personnel department; employee relationships; selection, training, promotion, payment, and supervision of personnel; various personnel activities.

333. Problems in Business Administration. (Credit, 3 or 6 hours) The student is here given the opportunity to work in the field of his special interest, particularly in the subjects of accounting, business law, marketing, statistics, finance, and insurance. The course will be conducted by conferences between the student and instructors concerned. Problems will be assigned as nearly as possible for the needs of the individual student. Because of the individualized nature of the studies, the course may be taken more than once for additional credit.

*See Course Numbers under Admission and Graduation Requirements

BUSINESS EDUCATION

356. Materials and Procedures in Commercial Subjects. (3-0) Credit, 3 hours. Teaching and learning materials and procedures in commercial subjects taught in high school and junior colleges.

Also offered as Education 356.

*See Course Numbers under Admission and Graduation Requirements
358. Workshop in Business Education. Credit, 3 or 6 hours. A workshop course in the problems of the business teacher in the high school and junior college; organization, administration, and supervision of business education; the business curriculum; problems of instruction; other practical problems of business teaching. This course may be taken more than once for additional credit.

One of college's pleasant memories—a sorority recognizes its sweetheart during a dance.
HOME ECONOMICS
Associate Professors Little, Coleman, Short
Instructor Bohac

BACHELOR OF SCIENCE IN HOME ECONOMICS

(128 hours; includes certificate)

Notes: 1. The certificate under “A” permits teaching home economics under the plan commonly referred to as “Smith-Hughes.”

2. Plan “B” will certify the student to teach in Home Economics and one other field, but not under the “Smith-Hughes” plan.

Plan A

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Hours</th>
<th>Sophomore Year</th>
<th>Hours</th>
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<tbody>
<tr>
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</tr>
<tr>
<td>11, 12, 21, 22</td>
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<td>English (literature)</td>
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<tr>
<td>English 11, 12</td>
<td>6</td>
<td>Chemistry 77</td>
<td>4</td>
</tr>
<tr>
<td>History 31, 32</td>
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<td>Biology 63</td>
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<tr>
<td>Chemistry 13</td>
<td>4</td>
<td>Art 17 or 73</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics 11 or</td>
<td>3</td>
<td>Speech 13</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language 13, 15</td>
<td></td>
<td>Government 61, 62</td>
<td>6</td>
</tr>
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<td>Physical education activities</td>
<td>2</td>
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<table>
<thead>
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<th>Junior Year</th>
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<th>Senior Year</th>
<th>Hours</th>
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<tbody>
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<tr>
<td>132, 133, 137</td>
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<td>Home Economics</td>
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<tr>
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</tr>
<tr>
<td>Humanities 101</td>
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<td>Home Economics Education</td>
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</tr>
<tr>
<td>(or Bible), 113</td>
<td>4</td>
<td>143, 193, 291, 292</td>
<td>12</td>
</tr>
<tr>
<td>Electives</td>
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<td>Electives</td>
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<tr>
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</table>

Notes: 1. The certificate under “A” permits teaching home economics under the plan commonly referred to as “Smith-Hughes.”

2. Plan “B” will certify the student to teach in Home Economics and one other field, but not under the “Smith-Hughes” plan.
Plan B

<table>
<thead>
<tr>
<th>Freshman Year</th>
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<tr>
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<td>Home Economics</td>
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<tr>
<td>English 11, 12</td>
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<td>English (literature)</td>
<td>6</td>
</tr>
<tr>
<td>History 31, 32</td>
<td>6</td>
<td>Speech 13</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry 13</td>
<td>4</td>
<td>Chemistry 77</td>
<td>4</td>
</tr>
<tr>
<td>Biology 13</td>
<td>3</td>
<td>Biology 63</td>
<td>4</td>
</tr>
<tr>
<td>Physical education activities</td>
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<thead>
<tr>
<th>Junior Year</th>
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<tbody>
<tr>
<td>Home Economics</td>
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<td>Home Economics</td>
<td>6</td>
</tr>
<tr>
<td>Second field</td>
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<td>Second field</td>
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</tr>
<tr>
<td>Humanities 101</td>
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<td>Education, (or Bible, 113</td>
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<tr>
<td>(or Bible, 113)</td>
<td>4</td>
<td>including 291, 292</td>
<td>12</td>
</tr>
<tr>
<td>Education, advanced</td>
<td>6</td>
<td>Electives</td>
<td>6</td>
</tr>
<tr>
<td>Government 61, 62</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electives</td>
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<td>30</td>
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<td>31</td>
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</table>

The twenty-four (24) hours of Home Economics referred to in Plan “B” may be selected from the following arrangements:

A. Six hours from 11 or 67, 107.
   Six hours from 21 or 63, 125 or 175.
   Six hours from 109, 132 or 133.
   Six hours from 22 or 137, 103.

B. Emphasis on clothing and textiles—11 or 67, 12, 107, 113, plus 12 hours.

C. Emphasis on food and nutrition—12, 21, 63, 123 or 175, plus 12 hours.

D. Emphasis on child development and family relationships—12, 12, 22, 103, 137, plus 12 hours.

E. Emphasis on housing and management—12, 109, 132, 133, plus 12 hours.
Most of the subject matter courses in Home Economics are open to non-majors as electives.

11. **Basic Clothing.** (3-2) Credit, 3 hours. Emphasis on selection and basic principles of construction.

12. **Consumer Buying.** (3-0) Credit, 3 hours. Selection, use, and care of consumer goods; evaluation of buying practices, advertising, and labeling; study of available consumer services.

21. **Basic Foods.** (3-2) Credit, 3 hours. Emphasis on meal planning and preparation, utilizing basic principles; food purchasing and care.

22. **The Young Child.** (3-1) Credit, 3 hours. Fundamental principles underlying behavior and methods of working with the pre-school child. Emphasis on the child as a family member, including health, safety and feeding of the child. Beginning observation and participation in the nursery school.

63. **Meal Management.** (3-2) Credit, 3 hours. Planning, preparing, and serving meals for families at different income levels with emphasis on meeting nutritional needs of individual members; meals for special occasions, food preservation and storage.

67. **Pattern Study and Tailoring.** (3-2) Credit, 3 hours. Study of commercial patterns; construction of master patterns; flat pattern designing; tailoring.

103. **Home and Family Life.** (3-0) Credit, 3 hours. Study of the elements of successful homemaking in the modern family with particular emphasis on responsibilities of family members in establishing a home, and on preparation for parenthood.

105. **Clothing for the Family.** (3-0) Credit, 3 hours. Study of the economic, aesthetic, psychological and sociological aspects of clothing.

107. **Textiles.** (3-0) Credit, 3 hours. Study of textile fibers, yarn, fabric construction and finishes; use and care of fabrics for clothing and household furnishings.

109. **Home Design.** (3-2) Credit, 3 hours. Application of the basic art principles in planning, decorating, and furnishing a home for modern living. Emphasis on beauty and efficiency.

113. **Advanced Clothing.** (3-2) Credit, 3 hours. Survey of history of costume. Study of techniques of draping and application of design principles to costume planning and selection.

120. **School Lunch Problems.** Management and supervision, emphasizing such problems as personnel training, job analysis, planning and equipping lunch rooms, menu-planning, use of commodities and abundant foods, food buying, preparation and storage, records and reports, sanita-
tion in food handling, encouraging better eating habits, and sharing responsibilities in a total school health program.

Credit: (One or two semester hours.)
Offered in the summer only.

123. Nutrition. (3-2) Credit, 3 hours. Fundamentals of human nutrition; development of critical judgement with regard to food fads and quackery; scientific standards for meal planning and selection.

132. Home Management. (3-2) Credit, 3 hours. A study of management of time, energy, and money in the home; selection, use and care of household equipment, furnishings and appliances in relation to family values; care and protection of family members.

133. Home Management Residence. (3-2) Credit, 3 hours. At least six weeks of supervised experience in application of principles of management in home residence. In lieu of residence in the home management house, married students maintaining a home in the community and mature experienced homemakers with the permission of the head of the department, may work on personal managerial problems under supervision.

137. Child Development. (3-2) Credit, 3 hours. Development of the total child and the responsibilities of family members in promoting this development; observation and participation in nursery school.

175. Nutrition and Health. (3-0) Credit, 3 hours. The relationship of diet to physical, mental, and emotional health, to the progress of schools, communities, nations and the world; emphasis upon the essentials of an adequate diet, the functions of those essentials, and the nutritive properties of common food materials; information on marketing, meal planning and food preparation as aids in meeting nutritive needs at low cost.

(This course is open as an elective to all students of junior or senior rank except those enrolled under the curriculum leading to the degree of Bachelor of Science in Home Economics. It has special relevancy for those making a major in Elementary Education or Health and Physical Education.)

209. Food and Nutrition Problems. (3-0) Credit, 3 hours. Review of recent research in foods and nutrition; survey of current food and nutrition problems of families; study of methods of helping families increase their information and improve their skills in managing more effectively their food and nutrition problems.

212. Housing. (3-0) Credit, 3 hours. Emphasis on designing living space to promote fullest development of individuals involved; attention to low-income housing and to community, regional and national organizations that can aid families in meeting housing needs; study of new developments in materials, building, and services, and of recent research and resource materials in family housing.
250. **Trends in Clothing.** (3-0) Credit, 3 hours. Designed to give an understanding of trends and techniques in the fields of clothing and textiles.

307. **Family Living.** (3-0) Credit, 3 hours. Factors contributing to the changing patterns of family life and the role of homemakers in creating and maintaining environments conducive to the best development of family members; emphasis on reports of research and resource materials relating to child development and family relations; study of agencies organized to assist families.

**HOME ECONOMICS EDUCATION**

143. **Observation and Methods in Vocational Homemaking.** (3-2) Credit, 3 hours (prerequisite to student teaching). Introduction to objectives and methods of teaching and evaluating results; observation in school and community programs; development of homemaking curriculum based on the needs of adolescents; evaluation of resource materials; formation of a workable philosophy of homemaking education.

193. **Problems in Teaching Homemaking.** (3-0) Credit, 3 hours. Treatment of individual teaching problems relating to specific situations in the development of a functioning homemaking program in school and community.

291, 292. **Student Teaching in Homemaking Education.** Credit, 6 hours. These courses provide opportunity for student teachers in home economics education to observe and participate in the total school program, and do student teaching in the homemaking department of the high school. During the student-teaching experience, the college student spends the full day for one-half semester or the equivalent of one-half day for the entire semester in the teaching center. If teaching is done off-campus, the student lives in the local community. Guidance in student teaching is a joint responsibility of both local supervisory homemaking teachers and college teacher trainers.

331. **Evaluation in Home Economics.** (3-0) Credit, 3 hours. Study of the principles and techniques of evaluation; construction of new-type tests and other evaluation devices for use in measuring achievement in all phases of homemaking.

336. **Trends in Teaching Homemaking.** (3-0) Credit, 3 hours. Particular emphasis given to the teaching of family relations, child development, consumer buying, and home management.

341. **Homemaking for Out-of-School Youth and Adults.** (3-0) Credit, 3 hours. Designed primarily for students with teaching experience who wish to work under supervision on homemaking education for out-of-school youth or adults.

334. **Program Development.** (3-0) Credit, 3 hours. Year-round programs of homemaking for different age groups, using materials of Home and Family Life Education Division of the Texas Education Agency and other materials designed to assist groups in developing their own plans to meet local community and individual needs in homemaking.
INDUSTRIAL ARTS

INDUSTRIAL ARTS

Professors Bowers, Deck
Assistant Professors Ballard, Hopson
Instructor Yarchuska

The general objectives of the industrial arts department are:

1. To prepare industrial arts teachers for teaching careers in the junior and senior high schools of Texas.

2. To furnish a suitable program of technical education for those who plan to seek careers in industry at the junior engineering and technician levels.

3. To provide pre-engineering courses for students seeking engineering careers.

4. To provide service courses for other departments of the College.

Outlines of the two available programs follow:

BACHELOR OF SCIENCE IN INDUSTRIAL ARTS DEGREE

(128 hours; includes certificate)

Notes: 1. This is Plan III of the Texas Education Agency with certification in Industrial Arts only, in which area 48 hours are required.

2. No minor is required.

3. Fourteen (14) hours minimum are required in two of the following: science, mathematics, foreign language.

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Hours</th>
<th>Sophomore Year</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Industrial Arts</td>
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<td>Science, mathematics, or foreign language</td>
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### GENERAL INDUSTRIAL ARTS PROGRAM

**Notes:**
1. Major requirement is 48 semester hours.
2. No minor is required.

<table>
<thead>
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<th>Freshman Year</th>
<th>Hours</th>
<th>Sophomore Year</th>
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<tr>
<td>Industrial Arts</td>
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<td>Government 61, 62</td>
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<td>Science</td>
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<tbody>
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<td>Geography 103 or 109</td>
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<td>Art 127</td>
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A student wishing to make a teaching minor in industrial arts will be expected to complete a total of 24 semester hours of work selected in conference with the director of the department. Twelve semester hours will be advanced work.

13. **Drawing I.** (3-3) Credit, 3 hours. The purpose of this course is to provide industrial arts, pre-engineering, and other students primary information and laboratory experience in drafting. Tools and techniques utilized in the preparation of various working drawings for use in industry.
are emphasized. Assignments include lettering, geometric construction, sketching, lines and symbols, orthographic, isometric, perspective, oblique, and cabinet drawings, measuring and dimensioning. Special problems afford practice in shop sketching, reading orthographic drawings, and preparing working drawings for wood, metal, electrical, aircraft, piping, and machine tool industries.

NOTE: Sections of this course designed as drawing for engineers are scheduled as Industrial Arts 13en.

15. Drawing II. (3-3) Credit, 3 hours. Essentials of industrial design are studied and applications of these principles are made in special problems.

17. Woods I. (3-3) Credit, 3 hours. Furniture and other small projects selected to be made in the course will afford practice in all the hand tool operations used in bench woodwork. A study in the growth and structure of the tree; kinds of wood and their properties, use and care of hand tools; and finishing procedures will be stressed.

19. Descriptive Geometry. (3-6) Credit, 3 hours. Principles of descriptive geometry and their applications to problems of engineering and architecture. Includes auxiliary views, developments, intersections, double-curved and warped surfaces in addition to point, line, and plane problems.

21. Metals I. (3-3) Credit, 3 hours. This is an introductory course in metals. Emphasis is given to study and discussions of common metals utilized by industry. Students will complete laboratory work involving the basic processes of oxy-acetylene, arc and heliarc welding, forging, heat treatment, and ornamental iron.

33. Photography I. (3-2) Credit, 3 hours. An introductory course in black and white photography stressing the basic fundamentals of the photographic process. Use of modern cameras and accessories. Procedures in making pictures from exposed sensitive materials to completed prints. Competencies in darkroom procedures.

65. Printing I. (3-3) Credit, 3 hours. This course is designed to give the student an introduction to the printing industries, and composition proof reading, make-up, press work, together with other processes involved in letterpress printing are studied. Students are introduced to offset printing methods, silk screen work, and bookbinding. Individual projects and school projects are completed.

75. Woods II. (3-3) Credit, 3 hours. The course emphasizes the use, maintenance, and repair of woodworking machinery. Detailed studies, demonstrations, and reports made in connection with each piece of equipment. Safe practice in machine operation is stressed. Emphasis is placed on industrial finishing techniques. Visits to factories and stores are planned. Students construct advanced projects.

79. Metals II. (3-4) Credit, 3 hours. This course introduces the student to machine metals. Lectures and demonstrations deal with various operations of the lathe, drill press, shaper, and milling machine work. Precision tools and measurement techniques are demonstrated. Related
technical information is given through lectures and student reports. Visits are made to industries to observe production techniques.

87. Electricity and Radio. (3-3) Credit, 3 hours. This course will deal with the fundamental principles of electricity as applied in the fields of communication, lighting, heating, testing, transmission, and generation. It will also deal with the principles of radio as applied to reception and transmission, wiring, and testing procedures.

Open without prerequisite to students of sophomore rank and above.

90. Shop Practice for Engineering Students. (3-6) Credit, 3 hours. This course is designed to furnish the engineering student with information and shop practice involving selected manufacturing processes. Content includes techniques of manufacturing articles of metal; foundry methods; principles of matching; fitting; assembling and welding of manufactured machine parts.

113. General Shop. (3-3) Credit, 3 hours. This course is taught in a shop containing six different areas. Students will complete projects typical of junior high school industrial arts activities. Opportunity will be given for the student to gain primary experiences in a variety of crafts for use in the secondary schools of Texas.

115. The Refurbishment of Home Furnishings. (3-3) Credit, 3 hours. Lectures and laboratory activities dealing with general painting, decorating, and finishing problems around the home. Refinishing of furniture; procedures in repair and replacement of upholstery.

A service course for home economics students. Open to others by special permission.

116. Maintenance and Servicing of Mechanical Household Equipment. (3-3) Credit, 3 hours. Analysis, maintenance, and servicing of home appliances and special household equipment. Maintenance and operation of power tools and equipment for outdoor use. Electrical service requirements for the home.

117. Principles and Practices in Industrial Arts Teaching. (3-0) Credit, 3 hours. A study of contemporary philosophies and procedures in industrial arts education including a careful study of the program outlined for use in the secondary schools of Texas.

118. Driver Education. (3-3) Credit, 3 hours. This course is designed to help students become aware of traffic problems, determine limitations of drivers, develop positive driver attitude, study traffic laws and regulations, develop or improve driving skills, and train teachers in driver training.

119. Electricity II. (3-3) Credit, 3 hours. This course is designed to give opportunity to develop additional knowledge and skill in the content recognized as applicable to industrial arts laboratories. Attention will be given to an interpretation and exploration of the specific role of
electricity with reference to the field of aeronautics, communication, transportation, and power.

121. Metals III. (3-3) Credit, 3 hours. This course affords the student opportunity to continue the study and use of machine shop equipment. Lectures and demonstrations are given relative to advanced operations for lathe and shaper. Emphasis is given to milling machine procedures and grinding techniques. Proper maintenance of tools and equipment including the sharpening of mill cutters is included. Students complete projects that build up skills in machine work and further knowledge of machine metalwork.

125. Metals IV. (3-3) Credit, 3 hours. This course provides advanced experiences in metalwork including metal spinning, art metal, sheetmetal, foundry, and heat treating. Students work on individual basis. Maximum material charge: $6.00.

127. Laboratory Planning and Equipment Selection. (3-0) Credit, 3 hours. This course is designed to give prospective teachers practice in planning, equipping, and organizing the school laboratory. Principles of appraising school shops are developed and used on visits to school laboratories. Students develop plans, equipment and tool lists. Source of supplies and proper nomenclature for requisitioning are discussed.

129. Power Technology. (3-3) Credit, 3 hours. This course provides study and laboratory experiences with modern power sources. Emphasis is given to the design and operating principles of steam, hydraulic, pneumatic, and water units; gasoline, diesel, and jet engines. Basic laboratory activities involve utilization of power devices, engines, and components.

133. Woods III. (3-3) Credit, 3 hours. This course provides opportunity for the student to develop additional skill in furniture and cabinet making. Lectures and demonstrations will include new materials available for use in woodwork, elements of upholstery, and trends in modern furniture design. Factories and stores will be visited. Students complete a research paper on some phase of the wood industries.

135. Drawing III. (3-3) Credit, 3 hours. This course provides study and laboratory experiences in architectural drafting and home planning. Consideration is given to exterior and interior design of the home, essentials of heating, lighting, ventilation, and legal aspects of home building. Complete plans for a residence will be made by each student. Study is made of various structural systems.

153. Photography II. (3-3) Credit, 3 hours. This course provides the student possessing a basic knowledge of photography with opportunity to develop advanced skills in darkroom procedures. Elements of pictorial composition involving lectures, demonstrations, and field trips into the surrounding hill country. Fundamentals of portrait photography and studio lighting. Studio assignments.

159. Industrial Arts for Teachers of Elementary Grades. (3-3) Credit, 3 hours. This course is designed to afford elementary teachers an oppor-
tunity to gain experience in the use of tools, materials, and projects adapted to the manual skills of the elementary child, and thus to qualify them to make a practical, inexpensive addition to the activity center of an elementary school room.

165. **Printing II.** (3-3) Credit, 3 hours. This course gives the student opportunity to develop additional skill in letterpress, planographic, and Intaglio printing. Photo-engraving, plate-making, engraving, and lithography are studied. Advanced projects in printing are selected on an individual basis.

175. **Problems in the Graphic Arts.** (3-3) Credit, 3 hours. A course designed to meet the needs of teachers who plan to add a unit in graphic arts to their present industrial arts activities. This course also will serve students who wish to develop abilities in some specific phase of the graphic arts for its application in such fields as journalism, art, or business. This course will be taught on a general shop basis. Suggested development areas are typographic design, lithographic printing, block printing in monochrome and color, photomechanics, photoengraving, and bookbinding.

210. **Safety Education.** (3-0) Credit, 3 hours. This course will deal with education for safety in the home, in the school building, on the playground, in industry, on the farm, on the highway, in recreation and in play; liability and responsibility; first-aid.

225. **Organization and Maintenance of Industrial Arts Laboratories.** (3-3) Credit, 3 hours. Organization and management procedures for industrial arts laboratories in the secondary schools. Budgetary and inventory procedures; record systems; personnel organization and control; safety precautions; maintenance of machines, furniture, and supplies.

321. **Industrial Methods and Production Technique.** (3-0) Credit, 3 hours. This course will furnish industrial arts teachers with some selected information regarding the structure of modern manufacturing methods and techniques. Students gain insight into enlightened industrial practices. Selected examples will be studied with a view toward identifying the technology of a specific industry and analyzing its methods so that basic principles of production and selected techniques may be brought to students in the typical school situation.

322. **Housing and Industrial Arts.** (3-0) Credit, 3 hours. A study of policies and practices in the construction and allied industries and their relationships to the production of housing. The development of teaching materials dealing with selected aspects of housing as a community, family, and individual problem. The determination of housing studies within the framework of industrial arts. Identification of areas of investigation where cooperative work with other teachers may be developed.

325. **Problems in Industrial Arts.** (3-0) Credit, 3 hours. This course affords graduate students opportunity to do additional research in industrial
arts. The course is offered by conference. Students are allowed to choose a problem based upon individual needs and interests. Professional, technical and industrial problems may be proposed for study.

330. Evolution of the Industrial Arts Concept. (3-0) Credit, 3 hours. A graduate course designed to afford advanced students an opportunity to gain appreciation and understanding of the origins and development of Industrial Arts as an area in our school curriculum.

333. Technical Problems in Industrial Arts. (3-3) Credit, 3 hours. This course is planned for the industrial arts teacher who needs to become acquainted with newer developments within the industrial arts curriculum and for the graduate student who desires to strengthen certain experiences initiated in undergraduate courses. Plans will be developed upon an individual basis. Results will be submitted in a form suitable for publication.

Courses may be repeated for additional credit.

335. Modern Industries. (3-0) Credit, 3 hours. This course is designed to assist teachers of industrial arts with the problem of guiding high school students to sources of information relative to technical, social, and economic aspects of modern industries. Individual and group studies will be made. Results will be submitted in a form suitable for publication.

340. Workshop in Industrial Arts. (3-0) Credit, 3 hours. This course has been planned to afford experienced Industrial Arts teachers with an opportunity to work on professional and curriculum problems directly related to their positions and interests. Work may be accomplished on an individual basis, but reports, discussions, and jury appraisal will be characteristic of group studies.

Courses may be repeated for additional credit.

399. Thesis.

Mr. Hopson and students discuss engine test data in power technology course.
Owing to its location this college offers an almost ideal place for the study of biology. Situated as it is on the edge of the Edwards Plateau there is easy access to both the fertile coastal plain to the south and the broken hilly semi-desert to the north. The fault-line which divides these two areas has tapped many underground streams which provide large clear lakes and rivers rich in rare animals and plant life waiting only for the biologist. In fact, it has been said that the student of biology here finds himself in the midst of a veritable vivarium.

The courses offered in biology are designed to prepare students to teach biology in high schools and in the elementary grades. They are also planned to aid students majoring in agriculture, home economics, physical education, and chemistry. They are fundamental for students desiring to do graduate work in the biological field, and for those wishing to study medicine, dentistry or nursing, for they develop various techniques and skills in these related fields as well as stress the underlying biological principles.

The Charles Spurgeon Smith Memorial Award is made annually to an outstanding biology major. For further information, see Scholarships.

An undergraduate major in biology consists of a minimum of twenty-eight (28) hours and a maximum of thirty-six (36) hours. It is suggested that students who anticipate immediate graduate work in science refrain from absolving Biology 221, 222, and Biology 231, 232, and 233 on the undergraduate level. Pre-medical students and others will, with proper authority, be permitted to make such modifications in the foregoing program as may be dictated by their eventual professional requirements.

**BACHELOR OF SCIENCE IN EDUCATION DEGREE**

(128 hours; includes certificate)

Notes: 1. Plan I—certification is in Biology Chemistry.

2. Certification is available in a second field other than Chemistry but will require extra hours.
### Freshman Year

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<td>History 31, 32</td>
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### BACHELOR OF SCIENCE IN EDUCATION DEGREE

(128 hours; includes certificate)

Note: Plan II—certification is in Biology only.

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The second year of physics may be replaced by a second year of mathematics.

**Bachelor of Science Degree**

(128 semester hours)

Note: 1. Recommended minor is Chemistry.

2. Permissive maximum hours in major is 36.

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11, 12. General Biology. (3-3) Credit, 4 hours each. A general course dealing with the principles of biology including considerable study of the structure and function of plant and animal life. Biology 11 is primarily concerned with the study of biological principles and botany. The anatomy and physiology of the plant groups are studied in the laboratory as are biological principles.

Biology 12 includes the study of the animal kingdom, human organ systems, and heredity. Examples of the various animal groups and the dissection of the frog are studied in the laboratory.

13. Elementary Physiology. (3-3) Credit, 3 hours. This course includes a study of the human skeletal, respiratory, circulatory, digestive, and endocrine systems as well as principles of metabolism and nutrition. Designed for Home Economics majors.

Credit in this course must be validated by completion of Biology 63.
51, 52. Physiology and Anatomy. (2-3) Credit, 3 hours each. A course in human physiology and anatomy intended primarily for students making a major or minor in health and physical education.

Lectures, two hours; laboratory, three hours.

57. Introduction to Human Biology and Development. (3-3) Credit, 3 hours. The major concepts dealing with the nature of life, human reproduction, development, and heredity as related to educational problems.

This course is intended primarily for students enrolled in the curriculum for elementary teachers.

61, 62. Human Physiology. (3-3) Credit, 3 hours each. A course in human physiology devoted to the study of digestion, metabolism, glands of internal secretion, respiration, circulation, human reproduction, and the muscular and nervous system in which emphasis is placed not only on the scientific aspects of the topics considered but also on their application to health and hygiene.

A year of chemistry or biology should be completed prior to registering for this course.

63. Physiology and Hygiene. (3-4) Credit, 4 hours. This course includes a study of the human muscular, nervous, and reproductive systems, and elementary inheritance patterns. A survey of bacteria, yeasts, and molds is included. Designed for Home Economics majors.

65. Plant Taxonomy. (3-3) Credit, 3 hours. The course includes the principles of identification and classification of plants. Attention is given to nomenclature and characteristics of various plant groups with emphasis on the higher plant.

69. Plant Physiology. (3-3) Credit, 3 hours. The basic principles of plant physiology are covered both in lecture and laboratory. One year of biology or chemistry should have been completed prior to registering for the course.

101. The History and Philosophy of Science. (3-0) Credit, 3 hours. A course which treats the literature devoted to records of the life and times of the outstanding philosophers in the fields of science. The course is designed to create an appreciation of the philosophy of science, the value of the scientific method, and the part science has had in the evolution of human institutions.

This course is not designed primarily for science majors. It is open to any student with one year of science and at least junior standing.

111, 112. Histology and Embryology. (3-6) Credit, 4 hours. The first semester is primarily a laboratory course in microtechnique and histology. The second semester deals with the early phases of comparative embryology; the development of the amphioxus, frog, chick and mammal. It is urged that Chemistry 111, 112 be completed or taken concurrently with this course.
Either half of this course may be elected for four semester hours of credit independent of the other.

113. Bacteriology. (2-6) Credit, 3 hours. Principles of bacteriology; morphology, physiology, and taxonomy of representative groups of non-pathogenic bacteria. Laboratory methods are stressed and detailed studies are made of pure cultures. Laboratory analysis is made of water, soil, and milk. A brief preview of food bacteriology, public health services, and immunization is included. It is advisable that some chemistry be completed, preferably some organic chemistry, prior to registering for this course.

114. Bacteriology. (2-6) Credit, 3 hours. A study of pathogenic bacteria and the relationship of bacteria to disease. Consideration of the principles of immunology and serology.

This course is open to students who have completed Biology 113 or its equivalent.

115. Genetics. (3-3) Credit, 3 hours. The course embraces a study of plant and animal genetics. The subject matter deals with inheritance patterns in domestic plants and animals and in the human family.

Breeding experiments are conducted in the laboratory utilizing Drosophila to illustrate principles of heredity.

The course is presented to meet the needs of students of biology, agriculture, and general education.

119. Comparative Vertebrate Anatomy. (3-6) Credit, 4 hours. This course embraces a study of the comparative structural evolvement of the vertebrate body.

The laboratory work consists of dissection and study of Amphioxus, Lamprey, Dogfish, Necturus, a reptile, a bird and/or a mammal.

This course is designed to suit the needs of biology majors and minors, pre-medical and pre-dental students. Pre-laboratory technicians and pre-nurses may find this course desirable.

163. Advanced Human Physiology. (3-3) Credit, 3 hours. This course places emphasis on the skeletal and muscular systems and goes further into certain selected aspects of the circulatory, respiratory, digestive and nervous systems.

The laboratory includes a study of anatomy (stressing the above systems) and various experiments and measurements relating to these systems.

This course is designed specifically to meet the needs of physical education majors or minors.

*221, *222. Ecology. (3-3) Credit, 3 hours each. The class work involves a study of the basic principles of ecology while the laboratory gives the student an opportunity to study the natural history of the plants and animals of central Texas under field conditions. The location of the
Federal Fish Hatchery, the State Fish Hatchery, and the great natural springs of this area having a uniform temperature throughout the year furnishes the College with an unusual outdoor laboratory for the study of fresh water biology at the very edge of the campus. Moreover, the semi-desert conditions prevailing in the hills to the north of the springs, and the fertile valley of the San Marcos River to the south furnish wide opportunity for the study of plant and animal ecology.

Either half of this course may be elected for three semester hours of credit independent of the other.

*231, *232. General Physiology. (3-3) Credit, 3 hours each. Biology 231 considers principles basic to cell physiology (colloidal systems, surface phenomena, osmotic pressure, permeability, etc.,) and culminates in a discussion of protoplasm. Biology 232 consists of selected topics such as photosynthesis, bioluminescence, muscle mechanics, bioelectrics, cell correlation, and frequently includes some intermediary metabolism.

Either half of this course may be elected for three semester hours of credit independent of the other.

*233. Experimental Techniques. (2-3) Credit, 3 hours. This course is devoted to methods applicable in biological investigations. Special emphasis is placed on respiratory techniques and other methods specifically related to cell physiology. Attention is given to library work, as well as the reporting of scientific data.

251. Nature Study. (3-3) Credit, 3 hours. Planned for elementary teachers who wish to use nature materials in the teaching of elementary science. The use of the local environmental resources is stressed. This course includes the study of birds, insects, trees, flowers, and elementary astronomy.

310. Problems in the Biological Sciences. Credit, 3 or 6 hours. This course is open to graduate students on an individual basis at any time by arrangement with the faculty member concerned.

399. Thesis. Credit, 6 hours.

General Science

111, 112, General Science. A laboratory course designed to acquaint the student with the fundamentals concepts of physical, biological, and earth science.

200. Teaching the Sciences. (3-0) Credit, 3 hours. This course, required of all students who are candidates for graduation with a teaching major in biology, chemistry, or physics, will stress the principles and methods of teaching the sciences at all levels in the public schools.

*See Course Numbers under Admission and Graduation Requirements
CHEMISTRY

Professor Parks
Assistant Professors Comp, Harlan, Hopson, Willms
Instructors Fain*, Lowman

It is the aim of the chemistry department to give the student fundamental training in chemistry in order that he will be prepared for teaching, the study of medicine, dentistry, engineering, and for employment in the field of industrial chemistry.

Bachelor of Science Degree

(128 semester hours)

Note: Students should consult departmental advisor before selecting a minor.

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<th>Semester Hours</th>
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BACHELOR OF SCIENCE IN EDUCATION DEGREE

(128 hours; includes certificate)

Notes: 1. Plan 1—certification is in Chemistry and a second field to be chosen from Biology or Mathematics.

2. Certification is available in other teaching fields but will probably require extra hours.

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BACHELOR OF SCIENCE IN EDUCATION DEGREE

(128 hours; includes certificate)

Note: Plan II—certification is in Chemistry only.

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Hours</th>
<th>Sophomore Year</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 11, 12</td>
<td>8</td>
<td>Chemistry 61, 62</td>
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</tr>
<tr>
<td>English 11, 12</td>
<td>6</td>
<td>English 67, 68</td>
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<tr>
<td>History 31, 32</td>
<td>6</td>
<td>Speech 13</td>
<td>3</td>
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<tr>
<td>Mathematics 11, 13</td>
<td>6</td>
<td>Mathematics 17, 63</td>
<td>6</td>
</tr>
<tr>
<td>Physics 11, 12</td>
<td>8</td>
<td>Biology 61, 62</td>
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<tr>
<td>Physical Education</td>
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<tr>
<th>Junior Year</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Chemistry 111, 112</td>
<td>8</td>
<td>Chemistry, advanced</td>
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<tr>
<td>Education</td>
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<td>Education</td>
<td></td>
</tr>
<tr>
<td>Humanities 101</td>
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<td>Electives</td>
<td>7</td>
</tr>
<tr>
<td>(or Bible), 113</td>
<td>6</td>
<td>Physics 63</td>
<td></td>
</tr>
<tr>
<td>Mathematics 111, 112</td>
<td>6</td>
<td>and one advanced course</td>
<td>6</td>
</tr>
<tr>
<td>Government 61, 62</td>
<td>6</td>
<td>Electives</td>
<td>7</td>
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<td>30</td>
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<td>31</td>
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11, 12. **General Chemistry.** (3-4) Credit, 4 hours each. The fundamentals of general chemistry are studied. The year's work includes a simplified presentation of the general theories of chemistry; and the preparation, properties, and uses of the more common elements and some of their compounds. A part of the second semester is devoted to general qualitative analysis and to the study of carbon compounds.

13. **Chemistry for Students of Home Economics.** (3-3) Credit, 4 hours. This course is designed to cover the fundamental principles of inorganic chemistry considered to be most helpful in homemaking and in the study and teaching of home economics. Home applications are stressed. Credit in this course must be validated by completion of Chemistry 77.

43, 47. **Chemistry for Students of Physical Education.** (3-2) Credit, 3 hours each. Chemistry 43 is designed to cover those fundamental principles of inorganic and organic chemistry needed for the understanding of the chemistry of foods, muscles, blood, respiration, urine, hormones and other selected topics considered in Chemistry 47. Chemistry 43 may not be taken for credit by those who previously have absolved Chemistry 11, 12.

61, 62. **Quantitative Analysis.** (3-3) Credit, 4 hours each. The first semester is devoted to general theory of volumetric analysis and practice in acidimetry, precipitation, oxidation-reduction titrations, and determination of nitrogen, by Kjeldahl method.

The second semester is given to the theory and practice of iodine methods, general precipitation analysis, separation analysis of brass or limestone, and colorimetry.

77. **Physiological and Food Chemistry.** (3-3) Credit, 4 hours. The aim of this course is to acquaint the student with the chemistry of foods and their physiological functions.

111, 112. **Organic Chemistry.** (3-4) Credit, 4 hours each. The general principles, theories, reactions, synthesis and preparations of elementary organic chemistry are presented. Special emphasis is laid on the classification, characteristics and structures of compounds. Laboratory work offers opportunity to study many typical reactions and to learn techniques of value in industrial chemistry. Premedical requirements are met in this course.

211, 212. **Physical Chemistry.** (3-4) Credit, 4 hours each. The work of the first semester constitutes a study of the theory of gases, liquids, and solids; properties of solution, elementary principles of thermodynamics and thermochemistry. In the second semester, a study is made of equilibria, chemical kinetics, phase rule, electrochemistry, colloids, and quantum mechanics.

Prerequisite: Mathematics 112 or permission of the department.

223. **Qualitative Analysis.** (2-6) Credit, 3 hours. This is an advanced course in inorganic analysis. The work of the course consists of a study of analysis and detection of cations and anions with special emphasis on
general analysis of ores, complex salts, alloys and commercial products. Experience is gained in the use of semi-micro technique.

*225. Advanced Inorganic Chemistry. (3-0) Credit, 3 hours. This course includes the study of atomic structures and properties related to the structures, periodicity of properties, chemical bonding, transition elements, complex ions and coordination compounds, and an extension into non-aqueous systems of the concept of acids and bases.

227. Organic Preparations. (2-6) Credit, 3 hours. A study of and the application of the more important processes in organic synthesis is made. The purification of samples and the yields obtained is of importance. Procedures used and techniques acquired are of value to the student who desires to enter graduate work. Some time is given to glass blowing.

231, 232. Biochemistry. (3-2) Credit, 3 hours each. The first semester is devoted to a study of the chemistry of carbohydrates, lipids, proteins, vitamins and other cellular constituents; the second semester, to a study of digestion, absorption, intermediary metabolism and respiration. Emphasis is placed on the importance of enzymes in these processes.

The course is intended for students majoring in biology or chemistry and minoring in the other.

Prerequisite: Chemistry 111, 112 and six semester hours of biology.

312. Advanced Organic Chemistry. (3-0) Credit 3 hours. This Course is a study of the mechanisms and physical aspects of organic reactions. A presentation of chemical theory as applied to organic compounds and reactions will be made.

Prerequisites: Chemistry 112 and 212 or permission of the department.

313. Problems in Chemistry. Credit, 3 hours. This is a course which is open to graduate students on an individual basis at any time by arrangement with the faculty member concerned. It may be repeated on the same basis.

327. Qualitative Organic Analysis. (2-6) Credit, 3 hours. This is a laboratory study with lectures on the principles underlying the general scheme for the solution of problems in the identification of organic compounds.

329. Instrumental Analysis. (3-4) Credit, 3 hours. This course includes the theory and technique of physico-chemical methods of analysis. The principles underlying the analytical applications of spectroscopy, spectrophotometry, colorimetry, electrolytic separation of metals, potentiometric determinations, polarography, and ion exchange are discussed.

Prerequisite: Chemistry 212 or permission of the department.

399. Thesis.

*See Course Numbers, under Admission and Graduation Requirements.
The courses offered by the mathematics department are specifically designed to meet the needs of the following classes of students:

1. To prepare teachers of mathematics on the elementary, junior high and senior high school level.

2. To provide the mathematics courses required of pre-engineers.

3. To make available to students of the sciences, notably physics and chemistry, mathematics courses necessary not only for a successful study of these fields, but courses which will enable such students to pursue further work in these sciences with a secure mathematical background so necessary in this work.

4. To give to the student of pure or applied mathematics a solid and substantial background in undergraduate mathematics so that he can maintain a successful grade of work in case he elects to do further graduate work in mathematics or related field.

5. To provide for those students who study mathematics for the broad cultural benefits derived therein, since it is realized that mathematics has been so interwoven with the destinies of men through the ages that no one who aspires to real culture could do so without some knowledge of mathematical ideals and principles.

6. To provide related mathematics courses for other departments of the college.

A major in mathematics consists of 30 semester hours of work represented by Mathematics 11, 13, 17, 63, 111, 112, 213, plus 9 semester hours of advanced work.

A minor in mathematics consists of 21 semester hours of work represented by Mathematics 11, 13, 17, 63, 111, 112, and 123.

Note: Solid Geometry, unless offered for entrance credit, is required of all pre-engineers, majors, minors, and first and second teaching fields. In all cases Mathematics 15 must be taken in addition to those hours required.

A student may not use toward graduation more than nine semester hours of credit in courses in Mathematics of freshman rank, exclusive of the course in Solid Geometry, which may be additional.

Mathematics 115 must be taken before or paralleled with Mathematics 204, and Mathematics 204 must be taken before Education 291 if directed
teaching is in mathematics.

A student who majors in mathematics is strongly urged to complete a minimum of 24 hours in physics and chemistry.

Note: First term Freshman who plan to make a major of Mathematics or Physics or to enroll under the pre-engineering curriculum are advised to earn credit in Mathematics 11, 13, 17, in the summer session immediately preceding the regular session in which they plan to enroll.

The Bachelor of Arts degree with a major in mathematics is available to interested students. For information contact the Dean of the College.

BACHELOR OF SCIENCE IN EDUCATION DEGREE

(128 hours; includes certificate)

Notes: 1. Thirty (30) hours in Mathematics are required.

2. A second field must be completed in which 12 hours are advanced.

3. Fourteen (14) hours minimum are required in two of the following: mathematics, science, foreign language.

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Hours</th>
<th>Sophomore Year</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Mathematics</td>
<td></td>
<td>Mathematics 111, 112</td>
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<tr>
<td>11, 13, 17, 63</td>
<td>12</td>
<td>Second field</td>
<td>6</td>
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<tr>
<td>Second field</td>
<td>6</td>
<td>English (literature)</td>
<td>6</td>
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<tr>
<td>English 11, 12</td>
<td>6</td>
<td>History 31, 32</td>
<td>6</td>
</tr>
<tr>
<td>Science or foreign language</td>
<td>8</td>
<td>Speech 13</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
<td>Electives</td>
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<td>Physical Education</td>
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<th>Junior Year</th>
<th>Hours</th>
<th>Senior Year</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Mathematics 115, 204</td>
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<td>Mathematics (advanced)</td>
<td>6</td>
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<tr>
<td>Second field</td>
<td>6</td>
<td>Second field</td>
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<tr>
<td>Education</td>
<td>6</td>
<td>Education, including 291, 292</td>
<td>12</td>
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<tr>
<td>Humanities 101 (or Bible), 113</td>
<td>4</td>
<td>Electives</td>
<td>6</td>
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<tr>
<td>Government 61, 62</td>
<td>6</td>
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<tr>
<td>Electives</td>
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<td>32</td>
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32
Note: In certain cases, it may be advisable to pursue a less accelerated program in mathematics in the freshman year in accordance with the progress of the student in preliminary mathematics courses.

BACHELOR OF SCIENCE DEGREE

(128 hours)

Notes: 1. Thirty (30) hours are required in mathematics.

2. The minor of 24 hours must be completed in biology, chemistry, or 20 hours in physics. The student must complete at least one year of both biological and physical science.

3. A certificate is available with this degree but may require extra hours.

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Hours</th>
<th>Sophomore Year</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>12</td>
<td>Mathematics 111, 112</td>
<td>6</td>
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<tr>
<td>11, 13, 17, 63</td>
<td></td>
<td>Minor field</td>
<td>6-8</td>
</tr>
<tr>
<td>Minor field</td>
<td>6</td>
<td>English (literature)</td>
<td>6</td>
</tr>
<tr>
<td>English 11, 12</td>
<td>6</td>
<td>Foreign Language 13, 15</td>
<td>8</td>
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<tr>
<td>History 31, 32</td>
<td>6</td>
<td>Speech 13</td>
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<td>Physical Education</td>
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<thead>
<tr>
<th>Junior Year</th>
<th>Hours</th>
<th>Senior Year</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Mathematics 213, one advanced</td>
<td>6</td>
<td>Mathematics (advanced)</td>
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</tr>
<tr>
<td>Minor field</td>
<td>6-8</td>
<td>Minor field</td>
<td>6</td>
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<tr>
<td>Government 61, 62</td>
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<td>Electives</td>
<td>18</td>
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<td>Humanities 101 (or Bible), 113</td>
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<td>Science</td>
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Note: In certain cases, it may be advisable to pursue a less accelerated program in mathematics in the freshman year in accordance with the progress of the student in preliminary mathematics courses.

11. Basic Mathematics. (3-0) Credit, 3 hours. A course dealing with the fundamental notions of elementary algebra and the arithmetic necessary for a complete understanding thereof. This course is required as the first course in mathematics of all students enrolling for the subject except those excused by special permission of the head of the department.
13. **College Algebra.** (3-0) Credit, 3 hours. The content of this course consists of the consideration of the material usually included in a semester's course in college algebra. As it is recognized that the needs of students differ, the topics are presented in such a way as to make the course as flexible as possible. Considerable effort is devoted to the development of those essentially algebraic topics necessary for further successful work in mathematics.

Prerequisite: Mathematics 11.

15. **Solid Geometry.** (3-0) Credit, 3 hours. An elementary course in solid geometry which covers the following topics: properties of the plane, regular polyhedrons, prisms and cylinders, pyramids and cones, the sphere, and the traditional topics of the first course.

Prerequisite or parallel: Mathematics 11.

17. **Plane Trigonometry.** (3-0) Credit, 3 hours. The principles, derivation of formulae, and applications of plane trigonometry. This course consists of a study of the trigonometric functions, trigonometric identities, related angles, radian measure, graphs of the trigonometric functions, functions of multiple angles, logarithms, right triangles, oblique triangles, inverse trigonometric functions, complex numbers.

19. **Business Mathematics.** (3-0) Credit, 3 hours. A course designed for business administration students. A brief review of fundamental processes is followed by the study of simple and compound interest, the problems of trade and cash discount, retailing, ownership and corporate securities, social security, personal and business insurance, property tax, home ownership and similar topics. Particular emphasis is placed on the technique of practical problem solving.

Prerequisite: Mathematics 11 or equivalent.

63. **Analytic Geometry.** (3-0) Credit, 3 hours. A first course in analytic geometry of two dimensions, covering the following general topics: the point, loci, the straight line, the circle, conics, tangents, transformation of coordinates, parametric equations, and polar coordinates.

Prerequisites: 13 and 17.

75. **Engineering Mechanics.** (3-0) Credit, 3 hours. A course in statics designed to satisfy the requirements of engineering schools, and open to engineering and physics students. Topics considered consist of the following: principles of statics, resultants of force systems, equilibrium of force systems, analysis of structures, friction, force systems in space, centroids and centers of gravity, moments of inertia.

Prerequisites: Physics 100, and credit or concurrent registration in Mathematics 112.

111, 112. **Differential and Integral Calculus.** (3-0) Credit, 3 hours. A first course in the differential and integral calculus. The process of integration is introduced early in the course, together with its application to the sciences. A wealth of theory, illustrative material, and applications are combined. The application of the calculus to the problems of natural science is especially stressed. While the applications of the calculus are not in any sense neglected, the course is sufficiently rigorous that the
student of pure mathematics is enabled to secure a background which is entirely adequate for successful work in this field.

Prerequisite: Mathematics 63.

115. Modern Geometry. (3-0) Credit, 3 hours. This is a study in modern geometry with emphasis upon the triangle and circle. It deals with the body of geometric truth which students of mathematics ordinarily have no chance of learning. All students who expect to teach high school mathematics should enroll for the course.

119. The Theory of Equations. (3-0) Credit, 3 hours. This course is intended for students who have completed the first course in calculus. Complex numbers and elementary functions of the complex variable are stressed. Many problems are solved both graphically and analytically. Angles that cannot be trisected and regular polygons that cannot be inscribed by the methods of Euclidian geometry are included. The fundamental theorem of algebra is considered both from the geometric and algebraic standpoint.

Mathematics 119 counts as a senior course, 219, when preceded by six semester hours of advanced courses in Mathematics.

123. Differential Equations. (3-0) Credit, 3 hours. A study of the more common types of ordinary differential equations, especially those of the first and second orders, with emphasis on geometrical interpretations, and applications to geometry, elementary mechanics, and physics.

Prerequisite: Six hours of calculus.

Mathematics 123 counts as a senior course, 223, when preceded by six semester hours of advanced courses in mathematics.

127. Elementary Mathematics from an Advanced Standpoint. (3-0) Credit, 3 hours. This course presupposes six (6) hours of calculus. It is devised to give the student a comprehensive orientation in the field of pure and applied mathematics. The fundamental concepts of pure mathematics are vitalized by appealing to the student's space perception. The comprehension of the sum total of elementary mathematical science as a great connected whole is the unifying idea through this course.

Mathematics 127 counts as a senior course, 227, when preceded by six semester hours of advanced courses in mathematics.

200. Materials and Methods in Arithmetic for Elementary Teachers. (3-0) Credit, 3 hours. A professionalized course dealing principally with the fundamental topics in arithmetic, designed primarily for those preparing to teach arithmetic in the elementary grades. The course affords a background for the meaningful teaching of the beginning number concepts and counting, and the fundamental processes and their applications in problem solving.

Prerequisite: Senior standing.

204. Mathematical Understandings. (3-0) Credit, 3 hours. Includes a study of various number bases. Basic concepts and inter-relationship underlying algebra, geometry, and trigonometry are thoroughly developd.
This course must be taken before student teaching.

Prerequisite: Mathematics 11 (absolved at this college), 111, 112, and prerequisite or parallel, 115.

205. Probability and Statistics. (3-0) Credit, 3 hours. This course consists of basic concepts of probability such as sample space, probability of events, conditional probabilities, binomial and multinomial distributions, random variables and normal approximations, and statistical inference with practical applications.

Prerequisite: Six hours of calculus.

207. Introduction to Modern Algebra. (3-0) Credit, 3 hours. This course includes studies of elementary notions of sets, algebraic structures and functions. It is designed to acquaint teachers of junior and senior high school mathematics with some of the viewpoints, basic concepts, and techniques of modern algebra.

Prerequisite: Six hours of calculus.

209. The Theory of Determinants. (3-0) Credit, 3 hours. A study of the elements of the theory of matrices and determinants. The course includes the consideration of such topics as fundamental operations of matrices, definition and properties of determinants, Cauchy and Laplace expansions, multiplication of determinants, application of determinants to solutions of systems of equations, applications of determinants to geometry, determinants of special form, and Jacobians.

Prerequisite: Six semester hours of advanced courses in mathematics, or consent of instructor.

213. Advanced Calculus I. (3-0) Credit, 3 hours. A study of limits and continuity, derivatives, differentials, functions of several variables, partial differentiation, definite integrals, multiple integrals, and line integrals. A valuable course for those persons who intend to do further work in mathematical analysis, chemistry or physics, and for pre-engineers.

215. Advanced Calculus II. (3-0) Credit, 3 hours. A second course in advanced calculus consisting of the consideration of the following topics: infinite series, power series, application of power series, improper integrals, elliptic integrals. Beta and Gamma Functions, implicit functions, Fourier series, Jacobians, and similar topics. Materials will be adapted to the specific needs of the class.

Prerequisite: Mathematics 213.

216. Projective Geometry. (3-0) Credit, 3 hours. This course includes a study of the elementary processes of projection and section by the synthetic process. The following topics are included: The Elements and Primitive Forms, Principle of Duality, Perspectivity, Harmonic Sets, Theorems of Pascal and Brianchon, Projectivity Related Primitive Forms, Theory of Involution, Focal Properties of Conics, and Polarity.

Prospective teachers of geometry, engineers, and students of industrial arts will find this course both helpful and interesting.
Prerequisite: Six hours of advanced mathematics and the consent of the instructor.

225. Vector Analysis. (3-0) Credit, 3 hours. An introduction to vector analysis. A mathematical maturity on the part of the student which may be expected of one who has completed a first course in calculus is assumed. Applications of a wide and diverse nature are considered, with special emphasis on the applications to geometry and mechanics. The course is, however, mathematical in its treatment, and attempts to present in as simple a manner as possible the introduction to vector analysis which will lead naturally to its extension, tensor analysis.

273. Theory of Functions of Real Variables. (3-0) Credit, 3 hours. This course presupposes such knowledge as the student will have who has completed the usual undergraduate course in mathematics, including a year's course of calculus and preferably an elementary course in differential equations or a course of advanced calculus. The purpose of the course is to discuss those topics which will enable the student to obtain a better grasp of the fundamental concepts of the calculus of real variables and to learn something of the more recent developments of this branch of analysis.

Prerequisite: Consent of the instructor.

301. Partial Differential Equations. (3-0) Credit, 3 hours. A course in the theory and application of partial differential equations. The following general topics are considered: Deduction of the Differential Equation; Use of Vector and Tensor Methods; Equations of the First Order; Wave Equations; Vibrations and Normal Functions; Fourier's Series and Integral; Cauchy's Method; Initial Data; Methods of Green; Potentials; Boundary Problems; Methods of Riemann-Volterra; Characteristics.

Prerequisites: Mathematics 123 and consent of the instructor.

End of the year—Part of the faculty procession to graduation exercises.
The courses offered by the Physics Department are designed primarily to meet the needs of those students who are majoring in Physics and/or preparing to teach the subject in the high schools. The content of the courses also covers the requirements for students who are preparing for the various fields of engineering. Completion of a major in Physics will give the student a good foundation for advanced courses in his graduate work.

Requirements for a major or minor in Physics:

Major: Twenty-nine semester hours in Physics represented by Physics 11, 12, 65, 100, 115, and additional hours of advanced work to complete the requirement.

A student majoring in Physics should absolve courses in mathematics through Differential Equations. Preferably, the student should make a minor of mathematics.

Minor: Twenty semester hours in Physics represented by Physics 11, 12, 65, 100, and 115. A second teaching minor will consist of twenty-four semester hours.

Physics majors should choose elective courses from the fields of chemistry, biology, and industrial arts, and are encouraged to take English 83, and 117.

BACHELOR OF SCIENCE IN EDUCATION DEGREE

(128 hours; includes certificate)

Notes: 1. Twenty-nine (29) hours in physics are required.

2. A second field must be completed, preferably mathematics, in which 12 hours are advanced.

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Hours</th>
<th>Sophomore Year</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Physics 11, 12</td>
<td>8</td>
<td>Physics 65, 100</td>
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<tr>
<td>Second Field</td>
<td>6</td>
<td>Second Field</td>
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<tr>
<td>History 31, 32</td>
<td>6</td>
<td>English (literature)</td>
<td>6</td>
</tr>
<tr>
<td>English 11, 12</td>
<td>6</td>
<td>Speech 13</td>
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<tr>
<td>Mathematics 11, 13</td>
<td>6</td>
<td>Mathematics 17, 63</td>
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<td>Physical Education</td>
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<td>Physical Education</td>
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### Junior Year

<table>
<thead>
<tr>
<th>Course</th>
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<td>Education</td>
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<td>Humanities 101</td>
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<td>(or Bible), 113</td>
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<tr>
<td>Mathematics 111, 112</td>
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### Senior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics, advanced</td>
<td>6</td>
</tr>
<tr>
<td>Second Field</td>
<td>6</td>
</tr>
<tr>
<td>Education, including 291, 292</td>
<td>12</td>
</tr>
<tr>
<td>Electives</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total:** 35

*Note:* It may be necessary for one to make out a schedule which deviates from the above in order that the proper mathematics courses be taken to enable the student to take the calculus at the sophomore level.

### Bachelor of Science Degree

(128 hours)

**Notes:**
1. Twenty-nine (29) hours in physics are required.
2. A minor, preferably mathematics, must be completed.
3. A certificate is available with this degree, but may require extra hours.

### Freshman Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics 11, 12</td>
<td>8</td>
</tr>
<tr>
<td>Mathematics 11, 13</td>
<td>6</td>
</tr>
<tr>
<td>English 11, 12</td>
<td>6</td>
</tr>
<tr>
<td>History 31, 32</td>
<td>6</td>
</tr>
<tr>
<td>Biology 11, 12</td>
<td>8</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
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</tbody>
</table>

**Total:** 36

### Sophomore Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics 65, 100</td>
<td>8</td>
</tr>
<tr>
<td>Mathematics 17, 63</td>
<td>6</td>
</tr>
<tr>
<td>English (literature)</td>
<td>6</td>
</tr>
<tr>
<td>Foreign Language 13, 15</td>
<td>8</td>
</tr>
<tr>
<td>Speech 13</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total:** 33

### Junior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics 115</td>
<td>4</td>
</tr>
<tr>
<td>Physics, advanced</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics 111, 112</td>
<td>6</td>
</tr>
<tr>
<td>Government 61, 62</td>
<td>6</td>
</tr>
<tr>
<td>Humanities 101</td>
<td>4</td>
</tr>
<tr>
<td>(or Bible), 113</td>
<td>6</td>
</tr>
<tr>
<td>Electives</td>
<td>8</td>
</tr>
</tbody>
</table>

**Total:** 31
Note: It may be necessary for one to make out a schedule which deviates from the above in order that the proper mathematics courses to taken to enable the student to take the calculus at the sophomore level.

Physics 11, 12. General Physics. (3-3) Credit, 4 hours each. Physics—includes a study of the mechanics of solids, liquids, and gases and of heat; Physics 12 of magnetism and electricity, sound, and light. Considerable of light and sound. Application of light and sound to modern instruments is emphasis is placed on the successful performance of laboratory experiments. Group demonstrations by the instructor and problem solving by the student are a part of this course.

Prerequisites. Mathematics 11 is to be taken previously or concurrently, or the consent of the instructor.

Physics 65. Light, Sound, and Modern Physics. (3-3) Credit, 4 hours. In this course a theoretical and experimental study is made of the phenomena given attention. Special problems is spectroscopy and acoustics constitute a part of the course. Elementary modern physics is introduced in the course.

Prerequisites: Physics 11 and 12. Analytic geometry must be taken concurrently or previously.

Physics 100. Mechanics and Heat. (3-3) Credit, 4 hours. This course covers the fields of mechanics and heat at a somewhat higher level than that of Physics 11. There are three lecture hours per week and three hours of laboratory.

Prerequisites: Physics 11 and 12, and the calculus, to be taken concurrently or previously.

Physics 113. Thermodynamics. (3-3) Credit, 3 hours. Consideration is given to the classical and modern problems in this field of physics. A study is made of selected topics of somewhat advanced nature in this branch. Students who are to do their student teaching during the semester are to arrange for the laboratory in this course ahead of time.

Prerequisite: 20 hours of physics and the consent of the instructor.

Physics 115. Magnetism and Electricity. (3-3) Credit, 4 hours. A study is made of the laws governing the production, distribution and uses of direct and alternating current. Emphasis is given to the accurate measurement of electrical quantities in the laboratory.

Prerequisites: Physics 11, 12, and Mathematics 111, 112.

Physics 117. Modern Physics. (3-3) Credit, 3 hours. This course deals with recent advances in physics. Modern theories concerning the structure of matter and various application of electronic devices are considered. The classroom work is supplemented by collateral reading and reports from students. Students who are to do their student teaching during the semester are to arrange for the laboratory in this course ahead of time.

Prerequisite: 20 hours of physics and the consent of the instructor.
Physics 145. Electronic Circuits. (3-3) Credit, 3 hours. The course covers selected topics in electrical and electronic circuits. Students who are to do their student teaching during the semester are to arrange for the laboratory in this course ahead of time.

Prerequisite: 20 hours of physics, and the consent of the instructor.

Physics 161. Mechanics. (3-0) Credit, 3 hours. The course is designed to meet the needs of an approach to the field of mechanics in physics.

Prerequisite: 12 hours of physics, and the consent of the instructor.

Physics 207. Nuclear Physics. (3-0) Credit, 3 hours. The material covered will include topics on radioactivity, radiation detectors, accelerators, nuclear reactions, and nuclear forces.

Prerequisite: 6 hours of advanced physics and 6 hours of the calculus, or the consent of the instructor.

Physics 217. Kinetic Theory of Cases. (3-0) Credit, 3 hours. The Classical aspects of the kinetic theory of gases and of statistical mechanics is considered.

Prerequisite: 6 hours of advanced physics or the consent of the instructor.

Physics students work experiment with pulleys.
The courses offered by the Department of Agriculture are designed to meet the current needs of farmers, ranchers, teachers of vocational agriculture, and other teachers of rural communities and small towns. Thus the department has for its main objectives: (1) to train teachers of vocational agriculture and other agricultural workers; (2) to assist in training other teachers for rural communities and small towns to have a deeper understanding and appreciation of the problems of farmers and ranchers; (3) to train men and women in the practical methods of farming and ranching in Southwest Texas; (4) to serve as a center to carry on activities of Future Farmers of America and 4-H Club members, e.g., livestock and poultry shows, judging contests, etc., (5) to provide technical information and agricultural leadership for farmers and ranchers; (6) to cooperate with all agricultural agencies in promoting more progressive methods of farming and ranching.

To graduate with a major in agriculture a student will be expected to enroll under the curriculum leading to the degree of Bachelor of Science in Agriculture.

A minimum of 30 semester hours of advanced work in Agriculture is required in the Teacher Education Program, a minimum of 24 in the General Agriculture Program.

CURRICULUM LEADING TO THE DEGREE OF
BACHELOR OF SCIENCE IN AGRICULTURE

Notes: 1. This is the Teacher Education Program.
2. Fifty-four (54) hours in technical agriculture must be completed.

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Hours</th>
<th>Sophomore Year</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture 13, 33, 45</td>
<td>9</td>
<td>Agriculture</td>
<td>13</td>
</tr>
<tr>
<td>English 11, 12</td>
<td>6</td>
<td>67, 73, 79, 83</td>
<td>6</td>
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<tr>
<td>History 31, 32</td>
<td>6</td>
<td>English 67, 68</td>
<td>6</td>
</tr>
<tr>
<td>Biology 11, 12</td>
<td>8</td>
<td>Government 61, 62</td>
<td>6</td>
</tr>
<tr>
<td>Speech 13</td>
<td>3</td>
<td>Chemistry 11, 12</td>
<td>8</td>
</tr>
<tr>
<td>Physical education activities</td>
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<td>Physical education activities</td>
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</table>

34 35
### AGRICULTURE

<table>
<thead>
<tr>
<th>Junior Year</th>
<th>Hours</th>
<th>Senior Year</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture, 117, 151, 125, 126, 151</td>
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<td>Agriculture, 111, 124 or 215</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics 11</td>
<td>3</td>
<td>Agriculture electives, including one plant science and one animal science</td>
<td>12</td>
</tr>
<tr>
<td>Biology 113, 115</td>
<td>6</td>
<td>Humanities 101 (or Bible), 113</td>
<td>4</td>
</tr>
<tr>
<td>Science elective</td>
<td>3</td>
<td>Agricultural education</td>
<td>6</td>
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<tr>
<td>Education</td>
<td>6</td>
<td>Directed teaching in agriculture</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
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<td><strong>Total</strong></td>
<td>32</td>
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### GENERAL AGRICULTURE

(128 semester hours)

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Hours</th>
<th>Sophomore Year</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture 13, 33, 45</td>
<td>9</td>
<td>Agriculture 67, 83, and elective</td>
<td>9</td>
</tr>
<tr>
<td>English 11, 12</td>
<td>6</td>
<td>English</td>
<td></td>
</tr>
<tr>
<td>History 31, 32</td>
<td>6</td>
<td>67, 68 (recommended)</td>
<td>6</td>
</tr>
<tr>
<td>Biology 11, 12</td>
<td>8</td>
<td>Government 61, 62</td>
<td>6</td>
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<tr>
<td>Speech 13</td>
<td>3</td>
<td>Chemistry 11, 12</td>
<td>8</td>
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<tr>
<td>Physical education activities</td>
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<td>Mathematics 11</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
<td>34</td>
<td>Physical education activities</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>34</td>
<td><strong>Total</strong></td>
<td></td>
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</tbody>
</table>
AGRICULTURE

COURSES IN AGRICULTURE

13. Field Crops. (2-2) Credit, 3 hours. This is a general survey of field crop production dealing with the importance of each crop and special cultural practices in growing them. The laboratory work affords the student an opportunity to handle and become acquainted with the various crops.

33. Farm Poultry. (2-2) Credit, 3 hours. A general course in poultry, including types, breeds, poultry houses and construction, breeding, feeding, incubation and brooding, culling, diseases and insects.

45. Animal Husbandry. (2-2) Credit, 3 hours. An introductory course designed to acquaint the students with the importance of the livestock industry. A study of the types and breeds; market classes and grades of such animals as beef cattle, swine, goats, horses, and sheep; attention will be given to breeding, judging, care and management.

61. Agrostology. (2-2) Credit, 3 hours. A study of grasses. Identification of the genera and species of economic importance in Texas will be stressed. Attention will be given to the economic value of the various grasses, their ecological significance, and to the distribution, propagation, and management of grasses.


73. Farm Shop. (3-3) Credit, 4 hours. Identification, selection, care, use, sharpening and fitting hand tools. Planning and calculating bills of materials for farm buildings and equipment; wood work, sheet metal, blacksmithing, pipefitting, concrete work, rope and leather work and painting.

75. Forage and Pasture Crops. (2-2) Credit, 3 hours. The study of leading cultivated grasses, legumes, soilage crops, and silage crops as to establishment, seed production, production, harvesting, storage and uses. Special study will be given to the introduced grasses and legumes for range use and temporary pasture.

79. General Horticulture. (2-2) Credit, 3 hours. A survey of the general field of horticulture; a study of the principles and practices of propagation; a study of the growth and fruiting habits of horticultural plants; and the culture, harvesting, handling and utilization of fruits.

83. Introduction to Agricultural Economics. (3-0) Credit, 3 hours. The history, principles, practices, and problems of the agricultural economy.

111. Farm Power and Machinery. (1-4) Credit, 3 hours. Construction, operation, adjustment, and servicing of farm engines and tractors. Adaptability, selection, economic utilization, construction, operation, and adjust-
115. **Advanced Dairy Management.** (2-2) Credit, 3 hours. The selection and registration of animals; breeding, feeding, testing and general care of dairy cows; management of commercial herds.

117. **Farm Management.** (3-0) Credit, 3 hours. The art and business of managing a farm. This will include the study of choosing suitable major and minor enterprises that will provide a profitable business; such as selecting a farm, using proper kinds and amount of labor and capital, simple and accurate cultural organizations, agriculture experiment stations and extension service.

121. **Range Management.** (2-2) Credit, 3 hours. A course dealing with the practical problems met in managing native pastures and range lands. Attention will be given to determining range condition and proper stocking rates, methods of handling livestock on the range, range reseeding, brush control and poisonous plants. The ecological and physiological response of range vegetation to grazing will be included.

123. **Advance Poultry Husbandry.** (2-2) Credit, 3 hours. A study of the special problems and skills in breeding, feeding, and housing poultry commercially. Special emphasis will be given to disease and pest control, including diagnosis, prevention and treatments, practices in blood testing, posting, caponizing, culling, and grading market birds and eggs.

125. **Feeds and Feeding.** (3-2) Credit, 4 hours. This course deals with the fundamentals of animal nutrition, with feeding livestock, composition and feeding values of feeds, feed requirements, digestion and assimilation. Mixing feeds and calculating balanced rations will be included.

Prerequisite: Junior standing in Agriculture, Chemistry 11, 12, Mathematics 11.

126. **Soil Science.** (2-2) Credit, 3 hours. A study of the fundamental principles of soil science to acquaint the student with some physical, chemical and biological properties of the soil.

Prerequisites: Chemistry 11, 12 and Junior standing in Agriculture.

127. **Soil Fertility and Fertilizers.** (2-2) Credit, 3 hours. A course for those desiring to study the principles underlying the maintenance of soil productivity. This course deals not only with those factors influencing the crop producing power of the soil, but also a study of the sources, nature and effects of various fertilizers on the plant and on the soil.

Prerequisite: Agriculture 126.

129. **Economic Entomology.** (2-2) Credit, 3 hours. A study of the most common insects of field crops, fruits, vegetables, and farm animals as to life history, method of attack, damage, means of combating; collection and mounts of insects will be made; insecticides will be mixed and applied for controlling insects.
131. **Animal Physiology and Hygiene.** (2-2) Credit, 3 hours. A consideration of physiology and anatomy essential to an understanding of the diseases of farm animals. The laboratory portion deals with livestock sanitation and the prevention, control, and eradication of diseases of farm animals.

145. **Advanced Animal Husbandry.** (2-2) Credit, 3 hours. This course includes problems in all phases of animal husbandry, pertaining to beef cattle, sheep, goats, swine, and horses.

151. **Marketing.** (3-0) Credit, 3 hours. This course consists of studying market demands of quality, types and grades; methods of packing, transporting and storing farm products. Attention will be given to the marketing agencies and channels of distribution.

154. **Soil and Water Conservation.** (2-4) Credit, 4 hours. Principles of agronomic and engineering practices as applied to soil and water conservation, including elementary surveying, runoff, terrace and terrace outlet design and construction; proper cultural and tillage practices and related topics.

213. **Crop Improvement and Seed Production.** (2-2) Credit, 3 hours. A study of practical methods of crop improvement, seed production, curing, storing, cleaning, packing and distributing, and of seed certification. Visits are made to seed agencies and to well equipped seed farms.

Prerequisite: Biology 115 and Senior standing in Agriculture.

214. **Seminar in Animal Science.** (1-0) Credit, 1 hour. Important current developments in animal science and related topics. Review of current literature and presentation of papers on selected topics.

215. **Seminar in Plant Sciences.** (1-0) Credit, 1 hour. Important current developments in plant science and related topics. Review of current literature and presentation of papers on selected topics.

221. **Advanced Range Management.** (2-2) Credit 3 hours. Consideration is given to more advanced problems in range management such as range and ranch economics, maintenance and improvement of the range through reseeding, brush control, and proper stocking.

233. **Classification and Management of Range Soils.** (3-2) Credit, 4 hours. Classification and management of range soils in Texas. Consideration will be given to the physical relationships of soil moisture, temperature, penetrability, and aeration to plant growth. Consideration will be given to range condition classes, range sites, land classes, and problem areas as they affect management.

261. **Rural Electrification.** (2-2) Credit, 3 hours. This course includes the fundamentals of electric current generators and transmission, farm applications, electric heating, lighting and power, wiring motors, power rates, meter reading, safety rules and regulation.

313. **Advanced Problems in Farm Crop Production.** (3-0) Credit, 3 hours. Intensive study of the latest research in the production and har-
vesting of crops. Also, there shall be a comparative study of the characteristics of the most recently recommended varieties of the chief farm crops grown in the State of Texas.

333. Advanced Problems in Poultry. (3-0) Credit, 3 hours. Intensive study of research in the newer principles and practices in the various specialized fields related to successful poultry production.

345. Advances in Animal Husbandry. (3-0) Credit, 3 hours. A comprehensive review of recent advances in research relating to the various phases of animal husbandry.

367. Current Developments in Dairying. (3-0) Credit, 3 hours. A comprehensive review of recent advances in research related to dairy production.

COURSES IN AGRICULTURAL EDUCATION

105. Introduction to Agricultural Education. (2-0) Credit, 2 hours. This course is designed to acquaint the student with the history, development, aims, and objectives of agricultural education. The methods and techniques of vocational guidance and their application are emphasized.

202. Supervised Farming Program. (2-0) Credit, 2 hours. This course includes a study of the aims, purposes, selection, and plans for a long-time supervised farming program. Emphasis is placed on the methods in keeping records and evaluating farming programs.

211. Special Teaching Aids and Resources. (3-0) Credit, 3 hours. This is a study of vocational agricultural equipment, shops, supplies, filing systems, and classroom facilities; of teaching materials and resources available to vocational agriculture teachers; of services and information available from the National F.F.A. Foundation, other agencies, institutions, business establishments, cooperatives and experiment stations; and of ways to use the press and radio as teaching aids. Emphasis is on the methods of effective use of these resources.

212. Program Planning. (2-0) Credit, 2 hours. This course includes the methods and techniques in making farm surveys, summer plans of work, plans for community service, plans for the organization and use of advisory councils, and long-time programs and annual teaching plans based on the needs of high school students, young farmers, and adult farmers in observation centers.

247. Workshop in Teaching Conservation of the Natural and Agricultural Resources. (3-0) Credit, 3 hours. A study of resources as related to farm and community life. Special emphasis will be placed on the conservation of soil, water, forest, range land, wildlife, health, and safety. Visiting consultants in the above fields will be used in this course.

291, 292. Teaching Methods and Directed Teaching. Credit, 6 hours. These two courses constitute a six hour unit in planning for and teaching in approved high school departments of vocational agriculture. Prior planning and concurrent individual conferences are required. The two
courses are scheduled during the first nine weeks of each semester to simulate the full itinerary of a vocational agriculture teacher.

314. Current Research in Teaching Vocational Agriculture. (3-0) Credit, 3 hours. Designed to give training in new techniques of teaching all-day classes and developing balanced programs of vocational education in agriculture. Emphasis will be placed on the research in these areas.

318. Administration and Supervision of Vocational Education. (3-0) Credit, 3 hours. A study of the problems of organizations, administration, and supervision of vocational education. Includes a study of the Smith-Hughes, the George-Broden, the National Defense Education, and other national and state laws that govern vocational education.

325. Methods of Organizing and Teaching Farm Mechanics. (3-0) Credit, 3 hours. This course is designed to aid teachers with farm problems such as making plans for vocational agriculture buildings, securing and arranging proper kinds of shop equipment, determining needs, making shop budgets and inventories. Special emphasis will be given to the development of instructional materials and methods of instruction.

326. Adult Education. (3-0) Credit, 3 hours. A survey of plans and techniques employed in teaching and supervising adult education; the growth of the movement; and evaluation of both aims and methods in terms of their function in a democracy. Emphasis will be on young farmer, adult farmer, and other vocational classes for out-of-school youth and adults.

Professor Houston discusses English bibliography with students.
VIII. DIVISION OF SOCIAL SCIENCES

Professor Taylor, Director

The Division of Social Sciences offers courses (1) for students who wish to major in one of the specialized fields of economics, geography, government, history or sociology; and (2) for students who wish to major in the social sciences for the purpose of teaching.

Bachelor of Arts Degree

(128 semester hours)

Major in one of the Social Sciences

Notes: 1. The student may major in Economics, Geography, Government, History, or Sociology, with 24 hours in the major of which 12 hours are advanced.

2. A total of 18 hours is required in two other social science fields.

3. A certificate is available in this program but requires an outside teaching field of 24 hours. At least one extra summer will be needed to qualify for the certificate.

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Hours</th>
<th>Sophomore Year</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>History 31, 32</td>
<td>6</td>
<td>Major field</td>
<td>6</td>
</tr>
<tr>
<td>English 11, 12</td>
<td>6</td>
<td>Government 61, 62</td>
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</tr>
<tr>
<td>Science</td>
<td>8</td>
<td>English (literature)</td>
<td>6</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>8</td>
<td>Foreign Language</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics 11</td>
<td>3</td>
<td>Science</td>
<td>3</td>
</tr>
<tr>
<td>Speech 13</td>
<td>3</td>
<td>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
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<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>36</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Junior Year</th>
<th>Hours</th>
<th>Senior Year</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>Major field, advanced</td>
<td>3-9</td>
<td>Major field, advanced</td>
<td>3-9</td>
</tr>
<tr>
<td>Social Science minor</td>
<td>6-12</td>
<td>Social Science minor</td>
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</tr>
<tr>
<td>Humanities</td>
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<td>Electives</td>
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<td>5-9</td>
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<tr>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

28
BACHELOR OF SCIENCE IN EDUCATION DEGREE

(128 hours; includes certificate)

Notes: 1. Thirty (30) hours in history are required.
   2. A second teaching field outside the social sciences must be completed.
   3. Fourteen (14) hours minimum are required in two of the following: science, mathematics, foreign language.

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Hours</th>
<th>Sophomore Year</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>History 31, 32</td>
<td>6</td>
<td>History 11, 12</td>
<td>6</td>
</tr>
<tr>
<td>Second field</td>
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<tr>
<td>English 11, 12</td>
<td>6</td>
<td>English (literature)</td>
<td>6</td>
</tr>
<tr>
<td>Science, mathematics, or foreign language</td>
<td>6-8</td>
<td>Science, mathematics, or foreign language</td>
<td>6-8</td>
</tr>
<tr>
<td>Speech 13</td>
<td>3</td>
<td>Government 61, 62</td>
<td>6</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
<td>Physical Education</td>
<td>2</td>
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<thead>
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<th>Hours</th>
<th>Senior Year</th>
<th>Hours</th>
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<tbody>
<tr>
<td>History advanced</td>
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<td>History, advanced</td>
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<tr>
<td>Second field</td>
<td>6</td>
<td>Second field</td>
<td>6</td>
</tr>
<tr>
<td>Education</td>
<td>6</td>
<td>Education including 291, 292</td>
<td>12</td>
</tr>
<tr>
<td>Economics, geography, sociology</td>
<td>6</td>
<td>Electives</td>
<td>3</td>
</tr>
<tr>
<td>Humanities 101, (or Bible), 113</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>34</td>
<td></td>
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</tr>
</tbody>
</table>

BACHELOR OF SCIENCE IN EDUCATION DEGREE

(128 hours; includes certificate)

Notes: 1. The Social Science teaching field is forty-eight (48) hours minimum.
   2. No other teaching field is required.
   3. Certification is in the Social Science field only.
   4. Fourteen (14) hours minimum are required in two of the following: science, mathematics, foreign language.
### Freshman Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>History 31, 32</td>
<td>6</td>
</tr>
<tr>
<td>Geography 13</td>
<td>3</td>
</tr>
<tr>
<td>Sociology 67</td>
<td>3</td>
</tr>
<tr>
<td>English 11, 12</td>
<td>6</td>
</tr>
<tr>
<td>Speech 13</td>
<td>3</td>
</tr>
<tr>
<td>Science, mathematics, or</td>
<td>6-8</td>
</tr>
<tr>
<td>foreign language</td>
<td></td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total: 29-31 hours**

### Sophomore Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>History 11, 12</td>
<td>6</td>
</tr>
<tr>
<td>Government 61, 62</td>
<td>6</td>
</tr>
<tr>
<td>Economics 67</td>
<td>3</td>
</tr>
<tr>
<td>English (literature)</td>
<td>6</td>
</tr>
<tr>
<td>Science, mathematics, or</td>
<td>6-8</td>
</tr>
<tr>
<td>foreign language</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
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</table>

**Total: 32-34 hours**

### Junior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>History, advanced</td>
<td>6</td>
</tr>
<tr>
<td>Social Science, advanced</td>
<td>6</td>
</tr>
<tr>
<td>Education</td>
<td>6</td>
</tr>
<tr>
<td>Humanities 101, including 291, 292</td>
<td>12</td>
</tr>
<tr>
<td>Electives</td>
<td>12</td>
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</tbody>
</table>

**Total: 34 hours**

### Senior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>History, advanced</td>
<td>6</td>
</tr>
<tr>
<td>Social Science, advanced</td>
<td>3</td>
</tr>
<tr>
<td>Education</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>10</td>
</tr>
</tbody>
</table>

**Total: 31 hours**

A student with a major in history or with a teaching field in either history or the social sciences is required to complete History 11-12 and History 31-32 and to complete the required advanced courses in history divided equally between Group A and Group B.

**Group A:** 111, 113, 119, 123, 143, 147, 149, 151, 153.


History 141, 142 may be substituted for History 11, 12 with the approval of the Dean of the College.

History 31, 32 and Government 61, 62 are required under Texas law for all graduates of Texas tax-supported colleges.
11, 12. **History of Civilization.** (3-0) Credit, 3 hours each. A general survey of civilization from earliest to contemporary times. The aims of the course are to present a balanced perspective of the origin and evolution of the social, economic, cultural, and political customs and institutions of the peoples of the world with special emphasis on Western civilization.

31, 32. **History of the United States.** (3-0) Credit, 3 hours each. A general survey of the history of the United States from its settlement to the present.

61, 62. **History of the United States.** (3-0) Credit, 3 hours each. This course, the equivalent of History 31, 32, is offered by correspondence only.

A student may not receive credit for both History 31, 32 and History 61, 62. Either History 31, 32 or History 61, 62 meet the legislative requirement for six semester hours of American history.

71, 72. **History of England.** (3-0) Credit, 3 hours each. A survey of English history dealing with the development of institutional and cultural life of the English people.

111. **History of Europe, 1871-1919.** (3-0) Credit, 3 hours. A study of the background, the course, and the results of World War I. Emphasis is placed on imperialism, diplomatic alliances, nationalistic rivalries, and the Paris peace settlements.

112. **History of the United States, 1877-1920.** (3-0) Credit, 3 hours. An examination of the development of big business, the organization of labor, the problems of the farmer, urbanization, the United States as a world power, and World War I.

113. **The Far East Since 1500.** (3-0) Credit, 3 hours. A study of the social, cultural, political and economic developments in the Chinese and Japanese civilizations. Emphasis is also placed on the problems of Asia in her contacts with the West.

115. **Economic History of the United States.** (3-0) Credit, 3 hours. See Economics 115.

116. **Social and Intellectual History of the United States, 1607-1865.** (3-0) Credit, 3 hours. A history of American culture, with emphasis on the development of religious, political, social and philosophical ideas through the Civil War.
117. The Age of Jefferson and Jackson. (3-0) Credit, 3 hours. The history of the United States during the first half of the nineteenth century.

118. History of the United States Since 1919. (3-0) Credit, 3 hours. A survey of the history of the United States since World War I, including an appraisal of developments during the 1920's, an analysis of the New Deal, a study of the United States' participation in World War II, and post-war problems.

119. History of Europe Since 1919. (3-0) Credit, 3 hours. An examination of the rise of Communism, Fascism, and Nazism; the background of World War II; and the post-war problems of peace.

120. The Civil War and Reconstruction. (3-0) Credit, 3 hours. The history of the United States from the Compromise of 1850 through the election of 1876.

121. History of Texas, 1820-1875. (3-0) Credit, 3 hours. This course is designed to stimulate an interest in local history, and to give an appreciation of Texas as a cultural unit.

122. The Near and Middle East. (3-0) Credit, 3 hours. A study of the Byzantine, Saracen, Turkish and Indian empires. Emphasis is also placed on the modern Near East since World War I.

123. Diplomatic History of the United States. (3-0) Credit, 3 hours. See Government 129

133. The Constitution of the United States. (3-0) Credit, 3 hours. See Government 133.

136. Social and Intellectual History of the United States Since 1865. (3-0) Credit, 3 hours. A study of the development of the United States after 1865, with emphasis on the social, political, economic, aesthetic and philosophical ideas that have influenced contemporary American culture.

141,142. World History. (3-0) Credit, 3 hours each. A general survey of World History from earliest to contemporary times. The first semester includes the period to the eighteenth century; the second semester from the eighteenth century to the present. Credit may not be received for both History 11, 12 in History 141, 142.

143. Mexico and the Hispanic-American Borderlands. (3-0) Credit, 3 hours. A survey of the pre-Columbian Indian cultures; the Spanish conquest; the colonial background to the war of independence; the 19th century struggle between the federalists and the centralists; the revolution of 1910; and contemporary Mexico.

147. South America and the Caribbean Islands. (3-0) Credit, 3 hours. A study of the Spanish and Portuguese colonial empires in South America and the West Indies; the English in the Caribbean islands; the political, economic, social, and religious problems of the national period with special reference to Argentina, Brazil, the Andean republics and the West Indies.
149. **Renaissance and Reformation.** (3-0) Credit, 3 hours. A study of the cultural, political and economic changes that marked the transition from the Middle Ages in Europe to the modern period. Special attention is paid to the decline of the medieval church and the rise of the Protestant revolt.

151. **Medieval Civilization.** (3-0) Credit, 3 hours. A study of the development of the social, economic, cultural and political institutions of Europe in the Middle Ages. An introduction to the ancient civilizations of the Mediterranean World is included.

153. **Tudor and Stuart England.** (3-0) Credit, 3 hours. A study of the political, social, and cultural development of England in the sixteenth and seventeenth centuries.

155. **The Great Plains.** (3-0) Credit, 3 hours. A survey of the influence of the Great Plains and the Rocky Mountain region in the development of American institutions.

223. **The Frontier in American History.** (3-0) Credit, 3 hours. The westward movement from the Appalachians to the Pacific; the Old Northwest; the Old Southwest; the Great Plains; the New Southwest; the Pacific Northwest; the exploration of the Far West; the fur trade transportation; the cattle industry; influence of the frontier on American life and institutions; and the passing of the frontier.

223. **Teaching the Social Sciences in the Public Schools.** (3-0) Credit, 3 hours. This course is designed for prospective teachers of the social sciences in the public schools. Emphasis is placed upon an analysis of the content of the social sciences currently offered in the elementary and high schools of Texas, and the methods employed in instruction.

Required of all majors in the Social Sciences who are preparing to be teachers and who have not had public school teaching experience.

*311. **Problems in Modern European History.** (3-0) Credit, 3 hours. A seminar based upon selected topics in the history of Europe since 1870.*

*315. **Problems in the Diplomatic History of the United States.** (3-0) Credit, 3 hours. A seminar based upon selected topics in the diplomatic history of the United States.*

*316. **Problems in the Social and Intellectual History of the United States.** (3-0) Credit, 3 hours. A seminar based upon selected topics in the intellectual and social history of the United States.*

*319. **Problems in the History of the Far, Near and Middle East.** (3-0) Credit, 3 hours. A seminar based upon selected topics in the history of Japan, China, India and the Middle and Near Eastern nations.*

*321. **Problems in Texas History.** (3-0) Credit, 3 hours. A seminar based upon selected topics in the history of Texas.*

*323. **Problems of the Frontier in American History.** (3-0) Credit,
3 hours. A seminar based upon selected topics in the history of the frontier in American development.

*333, 334. Studies in World History for Teachers. (3-0) Credit 3 hours each. A survey of World History with selected topics studied in depth by individual members of the class. This course is intended primarily for teachers of World History in the secondary schools. The first semester covers the period to the seventeenth century; the second semester covers from the seventeenth century to the present. Either semester may be elected as an independent course for three semester hours credit.

*343. Problems in the History of Mexico and Latin America. (3-0) Credit, 3 hours. A seminar based upon selected topics in the history of Mexico and the South American nations.

*Because of the individualized nature of the studies, the course may be taken more than once for additional credit.

399. Thesis. Credit, 3 hours.

ECONOMICS

Professor Erickson

Instructor Farlow

Economics 67 and Economics 73 constitute the basic courses and should precede, except as indicated, all other courses in economics.

67. Principles of Economics. (3-0) Credit, 3 hours. An analysis of the institutional organization and functions of the American economy.

73. Economic Problems. (3-0) Credit, 3 hours. Economic problems in the modern social order, with emphasis given to problems of pricing, distribution of income, labor organizations, international economic relations, economic growth and stabilization.

103. Economic Geography. (3-0) Credit, 3 hours. See Geography 103.

111. Money and Banking (3-0) Credit, 3 hours. Money and credit in the modern economy; development of modern systems of money and banking; the structure of the Federal Reserve System; and survey of monetary theory.

112. Corporation Finance. (3-0) Credit, 3 hours. The financial instruments and institutions through which the modern corporation provides for its long term and short term capital requirements.

113. Labor Economics. (3-0) Credit, 3 hours. Development and structure of American unions; theories of union growth; economics of collective bargaining and wage determination; and survey of labor legislation.
115. Economic History of the United States. (3-0) Credit, 3 hours. Economic history of the United States from colonial times to the present.

121. Contemporary Economic Problems. (3-0) Credit, 3 hours. An introduction to economic reasoning; an analysis of the problems of economic growth, economic security and stability, agricultural prices, and conservation of natural resources.

127. Public Finance. (3-0) Credit, 3 hours. A study of the growth of public expenditures, revenues, and debt of the United States; theories of taxation and tax incidence; and the effects of public expenditures and taxes on economic growth.

129. Business Cycles. (3-0) Credit, 3 hours. Fluctuations of economic activity and their effects in modern industrial societies; and survey of business cycle theories and programs for economic stabilization.

133. Business Statistics. (3-0) Credit, 3 hours. See Business Administration 133.

143. Marketing. (3-0) Credit, 3 hours. See Business Administration 143.

GEOGRAPHY

Associate Professor Sterry

13. Principles of Geography. (3-0) Credit, 3 hours. World geography stressing basic interrelationships of human life and the natural environment.

This is the beginning course in geography.

103. Economic Geography. (3-0) Credit, 3 hours. An analysis of world distribution of fundamental occupations and commodities.

107. Geography of Europe. (3-0) Credit, 3 hours. A regional treatment of the continent with emphasis upon the cultural pattern in the various natural regions.

108. Hispanic-America. (3-0) Credit, 3 hours. A study of the patterns of occupational adjustment in the various geographic regions of Latin-America.

109. Anglo-America. (3-0) Credit, 3 hours. A regional study of United States and Canada.

This course may be elected as a beginning course in geography.

113. Natural Resource Use and Planning. (3-0) Credit, 3 hours. A study of the problems involved in the use and conservation of our natural and agricultural resources.

124. Political Geography and Geopolitics. (3-0) Credit, 3 hours. See Government 124.
127. Geography of Asia. (3-0) Credit, 3 hours. A study of selected regions of the continent of Asia.

129. Geography Field Trip. (3-0 or 6-0) Credit, 3 hours or 6 hours. A first-hand study of geographic regions, historical sites, and population centers of North America. A comprehensive report of the trip is required of all students. Offered only during the summer terms as announced. The trips generally will be scheduled on alternate years to the West and to the East. Fees for the course will vary with the nature of the itinerary. The field trip portion of the course is normally about 3 weeks and carries 3-hours credit. By completing the remainder of the six weeks term in residence an additional 3-hours credit may be earned.

GOVERNMENT

Associate Professor Henderson
Assistant Professor DeShazo
Instructor Farlow

61. Principles of American Government. (3-0) Credit, 3 hours. A survey of the fundamental principles of political science, of the American system of Government, and of the origins and development of the constitutions of the United States and Texas. This course satisfies the legislative requirement for teacher certification.

62. Functions of American Government. (3-0) Credit, 3 hours. A study of functions performed in the American system of government, both national and state, with special reference to Texas. Prerequisite: Government 61 or equivalent.

107. Parties and Party Politics. (3-0) Credit, 3 hours. An intensive study of the American political party system, including its history and organization, suffrage, nominations and elections, campaigns; and the related areas of public opinion and pressure group activities.

115. American Local Government. (3-0) Credit, 3 hours. A study of county, city, school district, and special district government and administration, with particular reference to the organization and operation of such units of local government in Texas.

117. International Organization and Administration. (3-0) Credit, 3 hours. A critical study of the origins and development of international institutions and agencies with emphasis on the United Nations.

123. Introduction to International Relations. (3-0) Credit, 3 hours. A general survey of the principles and problems encountered in the study and practice of international relations with emphasis being placed on the position of the United States, and the role which it plays in world affairs.
124. Political Geography and Geopolitics. (3-0) Credit, 3 hours. A study of the geographical pattern of nations and of contemporary international problems with respect to their geographical environments.

125. Comparative Governments of Europe. (3-0) Credit, 3 hours. An examination of the organization, procedures, and problems of selected European governments. Emphasis is placed upon comparisons of principles and practices among these governments, and between them and the United States government.

127. Public Finance. (3-0) Credit, 3 hours. See Economics 127.

129. Diplomatic History of the United States. (3-0) Credit, 3 hours. A survey of the diplomatic history of the United States to the present time, with special reference to the development of basic as well as contemporary policies.

130. Recent Political Theory. (3-0) Credit, 3 hours. A study of the development of modern political ideas. Attention is directed particularly to the meaning and relationships of the significant ideologies of our time: democracy, capitalism, the welfare state, socialism, fascism, and totalitarian communism.

133. The Constitution of the United States. (3-0) Credit, 3 hours. An intensive study of the origins and development of the Constitution of the United States.

135. Recent Constitutional Interpretations. (3-0) Credit, 3 hours. A study of the rulings of the United States Supreme Court since 1900 with particular emphasis upon federal-state relations, the power of the legislative, executive and judicial branches of the national government and civil rights and civil liberties.

SOCIOLOGY

Professor Grusendorf
Assistant Professor Fitzpatrick

67. Introduction to Sociology. (3-0) Credit, 3 hours. This course gives consideration to basic sociological concepts as a foundation for an understanding of collective behavior, the process involved, and relation of human nature and culture to social personality.

109. Social Problems. (3-0) Credit, 3 hours. An examination of some of the major social problems in American society today. Special attention will be given to crime and delinquency, industrial relations, public education, ethnic relations, population changes, and social planning.

111. Technology and Social Change. (3-0) Credit, 3 hours. A study
of the influence of technology on industry, the family, agriculture, war, medicine.

117. Social Ethics. (3-0) Credit, 3 hours. A study of some of the most important ethical theories and their application to contemporary social problems.

119. Social Psychology. (3-0) Credit, 3 hours. This is the basic course in social psychology. Attention is focused upon the nature of the individual and of society; the process of socialization; the human personality; personality and social adjustment; and social interaction.

127. Racial and Other Minority Groups. (3-0) Credit, 3 hours. In this course the nature and the problems inherent in racial and other minority groups are examined, with special reference to the American scene.

133. Social Control. (3-0) Credit, 3 hours. A study of the principal means of social control, including folkways, mores, propaganda, public opinion, and education.

137. The Family. (3-0) Credit, 3 hours. This course comprises a study of the family as the primary social institution and its status in present-day social structure. This course may be taken as an advanced elective without previous training in Sociology.

143. Criminology. (3-0) Credit, 3 hours. In this course special consideration is given to the various theories of crime, the causes of crime, areas of crime, treatment of criminals through the courts, punishment, reform, education, probation and parole, and means of crime prevention.

147. Juvenile Delinquency. (3-0) Credit, 3 hours. This course is a study of delinquency in modern society, basic factors and conditions of juvenile delinquency, and the problem of delinquency control.

153. The Community. (3-0) Credit, 3 hours. A study of recent trends in rural life, and of urbanization as a modern social phenomenon.

237. Sociology of Education. (3-0) Credit, 3 hours. A study of education as a process through which society seeks to attain its objectives. Special consideration is given to the cultural and social determinants of education.
IX. DIVISION OF RELIGIOUS INSTRUCTION

Instructors: Rich, Norris, Thomas, Starling, and Bonfield

The College, by arrangements through its Academic Council and by approval of the Board of Regents, gives credit for courses offered in Bible by various denominational groups. The courses must be approved by the Instructional Council of the College, and the staff employed by religious groups must be given the approval of the administrative officers.

The Division of Religious Instruction has designed its courses to create:

1. A basic Biblical understanding of life to aid professional people in their work with society.
2. A basic Biblical orientation to one's total education and the interrelationship of their courses.
3. A basic introduction to the area of Religion for all pre-theological students.
4. A basic knowledge of the Bible for those who assume a responsibility in Christian education in their Church.

A maximum of 12 hours may be applied toward the Bachelor's degree.

All students who are contemplating Church vocations are encouraged to counsel with the staff before enrolling for any course.

BIBLE

67. Survey of the Old Testament. (3-0) Credit, 3 hours. A study of the history of the Hebrew people. A particular emphasis will be placed upon the concepts of the Old Testament concerning God, man, salvation and other ideas, particularly as these prepared for the coming of Christ.


71. The Life and Teachings of Jesus. (3-0) Credit, 3 hours. A critical analysis of the four Gospels which provide the only records for the work and words of Jesus.

72. The Life and Letters of Paul. (3-0) Credit, 3 hours. A critical analysis of Paul's letters and the Book of Acts with a special emphasis on the nature of the early Church and Paul's theological views.
80. **Christian Ethics.** (3-0) Credit, 3 hours. An evaluation of the Christian principles for the social order with particular emphasis on an analysis of contemporary issues, the proposed alternatives to these issues, and the role of the church in social reform.

131. **Seminar: The Old Testament.** (2-0) Credit, 2 hours. An introduction to the major Old Testament concepts as expressed by the Patriarchs, the Prophets, the Psalmist, and the Wisdom Literature.


**RELIGION**

121. **The Spread of Christianity.** (2-0) Credit, 2 hours. A panoramic survey of the Development of the Christian Church from its origin to modern times with a special emphasis on the religious movements within the United States.

125. **Seminar: Religions of Mankind.** (3-0) Credit, 3 hours. An interpretation of the fundamental insights, concepts, ideals, and customs of the major living religions of the world.

137. **The Christian Faith.** (2-0) Credit, 2 hours. A systematic study of the major doctrines of Christianity—God, Christ, Man, Sin, Salvation, Faith, Evil, Eternal Life, and others.

139. **The Church and Family Life.** (2-0) Credit, 2 hours. An introduction to the Christian principles involved in the growth and nurture of the Christian home.

150. **Philosophy of Religion.** (2-0) Credit, 2 hours. An evaluation of the problems of religious knowledge, the nature of man, prayer, problems of evil and eternal life.
DEPARTMENT OF AIR SCIENCE
AIR FORCE RESERVE OFFICER TRAINING CORPS

Instruction Staff of 1962-63
Professor of Air Science
Major Edgar G. Smith
Assistant Professors of Air Science
Major John A. Fullerton
Capt. Edmund A. Verna

BASIC COURSE: FOUNDATIONS OF AIR POWER

Semester Description (Air Science 1):

a. Air Science 11. Designated appropriate college course for Air Science credit.

The student may choose a course in the Natural or Physical Sciences, Mathematics, Foreign Languages, the Humanities or Social Science. The course selected must be approved by the Professor of Air Science prior to registration. Course must be Freshman level.


The freshman year, second semester. A general survey of aerospace power designed to provide an understanding of the elements of aerospace power; and an introduction to the mechanics of aerospace vehicles, and to the composition of and necessary for national security forces. Instruction includes Potentials of Aerospace Power, Air Vehicles and Principles of Flight, the Military Instrument of National Security, and Professional Opportunities in the USAF.

Semester Description (Air Science 2):


The sophomore year, first semester. An introductory survey of aerospace missiles and craft, and their propulsion and guidance systems; target intelligence and electronic warfare; nuclear, chemical and biological warhead agents; defensive, strategic and tactical operations; problems, mechanics and military implications of space operations; and a survey of contemporary military thought.
b. Air Science 62. Designated appropriate college courses for Air Science credit.

The student may choose a course in the National or Physical Sciences, Mathematics, Foreign Languages, the Humanities or Social Sciences. The course selected must be approved by the Professor of Air Science prior to registration. Course must be Sophomore level.

1. Semester Descriptions: (Air Science 3)

a. Air Science 111. The Air Force Staff Officer. (4-1) Credit, 4 hours.

Offered on alternate years. Knowledge and skills required of a junior officer in the Air Force. This includes staff organization and functions, communicating, instructing and techniques of problem solving.

b. Air Science 112. The Air Force Staff Officer. (4-1) Credit, 4 hours.

Offered on alternate years. Principles and practices of leadership. This includes basic psychological and sociological principles of leadership and their application to leadership practice and problems; and an introduction to military justice.

1. Semester Description: (Air Science 4)

a. Air Science 211. Introduction to International Relations (Government 123); and Weather and Navigation. (4-1). Credit, 4 hours.

Offered on alternate years. Three semester hours are devoted to a study of major factors underlying international tensions—balance of power concepts, the League of Nations, The United Nations and regional security organizations; and the rise of the super-powers—the United States and the U.S.S.R. This portion of Air Science 211 is taught by an instructor from the Department of Government. If the student desires to use this course for a major or minor in Government or for a degree in social science he should consult with the Chairman of the Social Department to determine which course or courses are pre-requisite to utilizing this course for such purposes.

One semester hour is devoted to a study of the weather and navigational aspects of airmanship, such as temperature, pressure, air masses, precipitation, weather charts, navigational charts and dead reckoning navigation. This portion of the course is taught by an Air Force Officer.

b. Air Science 212. Military Aspects of World Political Geography (Government 124); and the Air Force Officer. (4-1) Credit, 4 hours.

Offered on alternate years. Three semester hours are devoted to a study of the concepts of the military aspects of political geography, maps and charts; factors of power; and the geographic influences upon political problems with a geopolitical analysis of the strategic areas. This portion of
Air Science 212 is taught by an instructor from the Department of Government. If the student desires to use this course for a major or minor in Government or for a degree in social science he should consult with the Chairman of the Social Science Department to determine which course or courses are prerequisite to utilizing this course for such purposes.

One semester hour is devoted to a study of materials to help the cadet make a rapid, effective adjustment to active duty as an officer in the United States Air Force. This portion is taught by an Air Force Officer.

SUMMER TRAINING UNIT

Members of the advanced course are required to attend one summer training session, normally between the first and second advanced years. Such students receive mileage for the round trip from school, or home, at the rate of 5 cents per mile; are furnished food, housing, uniforms, and medical attention at government expense and are paid at the rate of $78.00 per month. Summer training begins about June 15 each year and is of four weeks duration. The military training consists of both practical and theoretical instruction.

Status of Students Who Have Had Military Training at Other Schools

Students transferring from other schools which have Senior ROTC Units are allowed College credit for Air Science completed at such institution, up to the amount allowed by the institution from which the transfer is made. The eligibility for admission of such students to Air Science Courses at Southwest Texas State College is determined by the Professor of Air Science

Selective Service Deferments

When necessary the professor of Air Science may grant deferment from the selective service draft to those cadets whose academic and military performance promises successful advancement in the program.
DEGREES CONFERRED

Regular Session 1960-1961

Bachelor of Science in Education .................................................. 134
Bachelor of Arts ........................................................................ 27
Bachelor of Science ...................................................................... 27
Bachelor of Science in Home Economics ........................................ 12
Bachelor of Science in Industrial Arts ........................................... 15
Bachelor of Science in Vocational Agriculture ................................ 31
Bachelor of Music Education ............................................................. 3
Bachelor of Business Administration ............................................. 48
Masters of Education ................................................................. 17
Masters of Arts .............................................................................. 2
Total ......................................................................................... 316

Summer Session 1961

Bachelor of Science in Education .................................................. 115
Bachelor of Arts .......................................................................... 18
Bachelor of Science ...................................................................... 15
Bachelor of Science in Home Economics ...................................... 5
Bachelor of Science in Industrial Arts ........................................... 4
Bachelor of Science in Vocational Agriculture ............................... 12
Bachelor of Music Education .......................................................... 4
Bachelor of Business Administration ............................................. 16
Master of Education ...................................................................... 63
Master of Arts .............................................................................. 17
Total ......................................................................................... 269

STATISTICAL SUMMARY

Enrollment

Regular Session 1960-61

Freshmen (men 536, women 489) .................................................. 1025
Sophomores (men 364, women 285) ............................................. 649
Juniors (men 292, women 219) ...................................................... 511
Seniors (men 293, women 213) ..................................................... 506
Graduates (men 97, women 63) ...................................................... 160
Post-Graduates (men 35, women 17) ............................................. 52
Total College (men 1617, women 1286) .................................... 2903
Extension Students (men 50, women 125) ................................. 175
Total (Fall and Spring 1960-61) ..................................................... 3078

Summer Session 1961

Freshmen (men 101, women 135) .................................................. 236
Sophomore (men 137, women 158) 295
Junior (men 167, women 197) 364
Senior (men 282, women 239) 521
 Graduates (men 220, women 145) 365
 Post-Graduates (men 129, women 109) 238
 Total College (men 1036, women 983) 2019
 Correspondence Students (Sept. 1, 1960 to August 31, 1961) 173

DEGREES CONFERRED IN 1961
January 22, 1961

Bachelor of Science in Education

Aiken, Loyce Carleen
Bachmeyer, Barbara
Balcar, George Edward
Benge, Herman Major
Bounds, Peggy Jo
Buchanan, Diane Pate
Clendennen, Thomas Earl, Jr.
Coats, Navis Massey
Cowey, Bobby Lee
Craig, Carla S.
Davis, Evelyn LaWanda
Dehnel, Margarete L.
Downs, James Joseph
Durham, Willie
Eggleston, Jewel Bess
Flowers, Edrie Elanor
Freis, Gail Yvonne
Gonzales, Armando Cantu
Harrell, Evelyn Ruth
Ielmini, Robert John
Jeter, Annette
Kinman, Paula Tyler
Lang, Terry Jeannette
Lindsey, Reba Nell
McKee, Floyd Gene
Masur, Henry Beaty
Medrano, Luis Cruz
Meyer, Helen Adell
Miller, Ina Kathryn
Morrow, Eugene F.
Muse, Carl Edward, Jr.
Neal, C. E.
Nelson, Sandra Beth
Owen, Carolyn Dale
Ramirez, Antonio
Resendez, Elena Emilia
Reynolds, Linda Fay
Robbins, Molly Juanita
Rogers, Charles William
Schmidtzensky, VerNell Joan
Schwartz, Margie
Slaughter, Robert Clyde
Smith, Frances Sala
Smith, Terry Rae Clark
Stafford, Joyce
Stinson, Barbara Potter
Temple, Audrey Bosak
Tindall, Betty Joyce
Turner, Mary Catherine
Tyler, Johnice Thomas
Uselton, Sharon Elaine
Watkins, Mary Ellen

Bachelor of Arts

Burnett, William Walter
Huckle, Peggy Williams
McClendon, Hugh D.
Polansky, Mary Ann
Prasifka, Mary Loretta
Ridout, Jon Edward
Sneed, James Earl
Bachelor of Science

Coble, Larry E.          Maddy, Ray Dillon
Cunningham, James Edward Merritt, Robert Wayne
Fojtik, Albert Frankie Porter, Martha Gene
Hethcock, Wendell Harold Treadwell, Robert Wayne

Bachelor of Science in Home Economics

Bird, Barbara Joan Womack, Irene Fisher
Johnson, Carol Pegg

Bachelor of Science in Industrial Arts

Dobbs, Charles Ray Law, James Anderson
Everett, Robert A. Lawson, Larry Gene

Bachelor of Science in Vocational Agriculture

Askew, James Watson, Jr. Sellers, Robert Louis
Dias, James Otis Smith, Hollis Wilson
Nelms, Elmo Earl Whitley, Arth S.

Bachelor of Musics Education

DeBolt, Marguerite Hartman Lundgren, Leland Louis

Bachelor of Business Administration

Barta, Clarence Alfons Klossner, Valerie Diana
Birdwell, Jack Berwick Lamprecht, Leroy O.
Casey, William Edward, Jr. Marosko, Frederic W.
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Hartfiel, Ray T. Womack, William Mark

Master of Arts

None

Master of Education

Clayton, Stanley Smith, Roy L.
Linn, Mary Pauline White, Dorothy J.
Sanchez, Manuel
Schneider, Leroy G.

Woolbright, Roy Martin

May 28, 1961

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Abney, Brenda Lea
Anderson, Ardith Mae
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Arnke, Kenneth Wayne
Baethge, Lennah Jo
Barker, Judith LaRue
Bendow, Robert Houston
Brandt, Marilyn
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Brown, Mary Adeline
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Cornelius, Darwin Eugene
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Patterson, Phyllis Joanne
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Garcia, Richardo
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Hoepken, Marvin Edwin

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Beck, John J., Jr.
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Denham, Milton
Henson, Loretta Rabbe
Herzik, Aubrey Martin
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Kinman, Fred O.
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Peterson, Dolores Dineen
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Bachelor of Science in Home Economics

Bindseil, Dois Kathleen
Buck, Evelyn
Denard, Nancy Priscilla
Fuchs, Arva Nell
Huber, Joyce Annette

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Schramm, Shirley Marie
Szalwinski, Justine Agnes
Vernor, Ivie Frances Lockhart

Bachelor of Science in Industrial Arts

Ammons, Mitchel Lee
Hanys, Leroy Melvin
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Bachelor of Science in Vocational Agriculture

Abel, Herold, Jr.

Mahan, Joe Mark
Andrews, Edward M.  
Carter, Clifford Wayne  
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Cox, Herman Stanley  
Dearing, Williard William  
Devillier, Olide Coulon, III  
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Shaw, Donald Ray  
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Bachelor of Music Education

Crabb, Ronald Frederick

Bachelor of Business Administration

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Bachle, Charles Reagan  
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Cameron, Curtis Alfred  
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Paul, Frank Dean, III  
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Pfertner, Patrick Frank  
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Selheimer, Oliver Duane  
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Master of Education

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Hensley, John Briggs  
Howard, Jenny Lu  
Lyle, Jerlene Yvonne  
Moeller, Jesse Henry  
Oppelt, James Anthony  
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Waller, Ona Scott

Master of Arts

Fairchild, J. G.  
Wright, Fred Carl
August 25, 1961

Bachelor of Science in Education

Abbott, Russell Sparks
Aguilera, Maria G.
Armentrout, Mabel Ann Barsotti
Arnold, Kathryn Joyce
Audirsch, Elva Blanche Hubbard
Augsburger, Harper John
Azopardi, Korita Hamilton
Baros, Elva Jean
Barrons, James Maximus
Barrois, Betty Ann Villemez
Barrows, Joseph Christopher
Bigley, Mabeth N.
Blahuta, Arlene Eda
Boothe, Dahls Lou
Boykin, Janice Iren Smith
Broussard, Nancy Eugenia
Bupp, Robert Campbell
Campbell, Arthur Glenn
Campbell, Carolee
Capel, Norma Yvonne
Castillo, Genoveva R.
Chamberlain, Frances Faltin
Cowey, Ruby G.
Cramer, Ruth McEowen
Cromwell, Vera Jean Crockett
Curry, Margaret Ausherman
Daley, Jeffery Harold
Davidson, Ella Wehmeyer
Devall, Sara Louise
Dobbs, Patricia Sue
Dozier, Faye Hill
Durham, Clinton Henderson
Eckert, Dorothy Louise
Ellison, Sybil Ray
Ethridge, Rex Dale
Evans, Emil David, Jr.
Flach, Ida K.
Frost, Carol Ann
Funderburk, Billie Faye
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Garner, Mary Lou Smith
Gohike, Sally Nell
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Hall, Fannie Belle
Hamilton, Jean Irene Harrison

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Moore, Forest Matson
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Mueller, Dorris Lorraine
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Petering, Beverly Ann
Poe, Glynda Beth Gilbreath
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Rivas, Evangelina
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Swink, Billy Lee
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Armbruster, Henry Crews
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Burleson, Sudie Wray
Cano, Olivia Exon
Dominguez, Elvira
Donaldson, Doris Lee
Dunk, Geraldine Diers
Eudy, Janice Diane
Gregory, Edith Irene

Bachelor of Science

Adams, Craig Ayers
Archibald, Wendy Jayne
Borrer, David Shellie
Brinkley, Vernon Cooper
Childress, Ralph Ellis
Etheredge, Jim Tom
Guertin, Marie Annette
Kay, Alvin John

Bachelor of Science in Home Economics

Cunningham, Georgia Waller
Galbreath, Marjorie Maxine
Glimp, Lela Jo

Bachelor of Science in Industrial Arts

Brantley, Oscar Leon
Moehring, Joe Ernest

Bachelor of Arts

Karrer, Ray Edward
Little, Bette Jan
Moses, Robbie Jeanette Odom
Nowotny, Maureen Fay
Patterson, Virginia Ann
Scott, Leonard Wayne
Sims, Hugh Dalmon
Turman, John
Wentz, Georgia Ruth

Bachelor of Science

Kee, James Carl
Muse, Kenneth Earl
Ottmers, Wilburn Williams
Shumate, Edward Neal
Summers, Richard Lee, Jr.
Ward, Graham Keith
Wofford, Carroll R.

Bachelor of Science in Home Economics

Hardin, Carolyn Malone
Nehr, Dorene Julia

Bachelor of Science in Industrial Arts

Rosencrans, Herbert Carl, Jr
Welch, Donald C.
Bachelor of Science in Vocational Agriculture

Bishop, Charles Al  
Earley, William Allen  
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Garner, Lee Ellis  
Hyatt, George Robert, III  
Lehmann, Karl, Jr.  
Patschke, Charles Henry  
Petty, David Ronald  
Powell, Lloyd Rueben  
Stinson, Ned Gerald  
Westfall, David  
Westfall, Donald

Bachelor of Music Education

Lang, Erwin Carl  
Ludwig, Betty Gail  
Oldham, Adrienne Electa  
Tieken, Arlen Richard

Bachelor of Business Administration

Bergmann, Fred Neil  
Berry, William J., III  
Conner, C. Glenn, Jr.  
Dietrich, Carrie Louise  
Fritz, Kermit F.  
Hadley, Garvis L.  
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Mayes, Margaret Evans  
Morrison, Edward William  
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Salmon, Jack  
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Schumann, Herbert  
Villarreal, Oscar  
Wilson, James Leo

Master of Arts

Berg, Harold Ford  
Boone, Billy Clyde  
Clark, Donald Edward  
Dailey, David Manford, Jr.  
Dorrington, Marjorie T.  
Foulds, Jon Marquis  
Frazier, Thomas Deroy  
Guimarin, Spencer  
Hoegenauer, Alice Dawson  
Huffstickler, Star Striegler  
Kyle, Henry Eugene  
Laird, Edgar S.  
Olive, Kathleen Ann  
Pitzer, Dorothy Scott  
Turnbo, Roy Glen  
Wofford, Thomas Andrew  
Younger, Lorraine Wuthrich

Master of Education

Albrecht, Naomi Shults  
Ballard, Neil Edward  
Baskin, William Gresham  
Brown, Larry Wayne  
Buffington, Evelyn Jo  
Burgin, Itha Hodges  
Charlton, James Elliott  
Cheatham, Katie Caroline  
Kotrla, Rosalie Frances  
Krueger, William Marvin  
Landrum, Victor Eugene  
Ledger, La Ray  
Lyons, Genevieve DeBord  
McGuire, Terrance E.  
Martin, Charlie R.  
Martin, Kathryn Virginia
Childress, Eimer Hardy, Jr.  Medellin, Mary Reyes
Christian, Silsbee Ann  Milligan, Margaret Ross
Coleman, Eleanor M. Daniel  Mitchell, Nelle Hill
DeHoyos, Raul L.  Otte, Elroy
Fey, Esther Lucille  Pape, Harvey Walter
Finger, Marvin A., Jr.  Peters, Beverly Ware
Free, Jo Norwood  Priest, Noel Ray
Funderburk, Durl Winston  Raney, Nolan Eugene
Gary, William Ward  Ray, John Temple
Goode, Donald  Rhodes, Margaret M.
Gottwald, Norwood H., Jr.  Roberts, Anne Talbert
Graves, Cecil Clyde  Rutherford, Ruby Lee
Harp, Annie Beth  Schendel, Emil, Jr.
Hay, Gerald Lyndon  Schneider, Leroy Henry
Heallen, Kenneth Edwin  Sims, Bill Claud
Hensch, Anna Belle  Smith, Nelda Poe
Holcomb, Vera L.  Somer, Lydia Clara
Howard, Lurline  Stokes, Ethel Bennett
Huey, Melvin Doyle  Tschirhart, Harold Douglas
Hughson, Roena Moore  Willard, Duwayne Bernedwa
Jameson, Robert Maurice  Wilson, Lova Schmidt
Kallus, I. J.  Windham, R. E.
Kimbro, Ernest  Wofford, Helen Haynes

**ALPHA CHI MEMBERSHIP**

January 1961

**Graduate Membership**

DeBolt, Mrs. Marguerite Hartman  Rogers, Charles Williams
Huckle, Mrs. Peggy Ann Williams  Schwartz, Margie
Lang, Terry Jeanette Foulds  Smith, Terry Rae Clark
Polansky, Mary Ann  Stinson, Barbara Dale Potter
Reynolds, Linda Fay

May 1961

**Graduate Membership**

Butler, Wesley  Langfeld, Helen Ann
Courtney, Sally Ann  Schooley, Charles Wm.
Doer, John  Shaw, Kelly
Gray, Sondra Wyatt  Thompson, Sue
Herzik, Aubrey Martin  Wafer, Phyllis Joanne Patterson
Herzik, Martha Diane Means  Welch, Sandra Nelle
Hoepkin, Marvin Edwin  Wolfe, Mary Marshall
Huber, Joyce Annette  Yett, David Robert
Hutsell, Jan
August 1961

Graduate Membership

Bigley Mabeth Null
Blahuta, Arlene Eda
Cano, Olivia
Cunningham, Georgia Beth
Dominguez, Elvira
Donaldson, Doris Lee
Ethridge, Janice Eudy
Funderburk, Billie Fay
Flach, Mrs. Ida K.
Gregory, Edith Irene
Laird, Connie E.
Ludwig, Betty Gail
Maddox, Jeanette Roberts
Moses, Robbie Jeanette
Ottmers, Bette Jan Little
Selman, Bartlett, Jr.
Wroblesky, Doris Ann

REGULAR SESSION, 1961-62

Senior Membership

Allen, Patton Tolbert
Barton, Weldon V.
Beckmann, Dora Jane
Breuer, Jean Marie
Byrom, Madeline Yeager
Carlson, Katie Coble
Clendennen, LaNeel
Cook, David Edgar
Copley, Janie Adelia
Cowey, Alton Oran
Dressen, Pete Charles
Elbel, Kathleen
Fischer, Barbara Ann
Fuentes, Isabel
Guthrie, Mary Jo
Guttery, Mrs. Edna Dedekte
Hester, Agnes Ane
Huebner, Carolyn Louise
Hull, Zelma Jo
Kraft, Margy Joan
McClure, Richie Don
McMains, Garey Kirk
Moffitt, Dixie Hughson
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Mueller, Wilbert G.
Olson, David Scott
Pritchard, Betty Jane
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Schuetz, Mrs. Burney M. F.
Schulz, Jewel Ardene
Scott, Mrs. Janet Harper
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Tanner, Robert Joel
Tolle, Carolyn Lucille
Totty, Syra Elizabeth
Vickers, Horace Elton
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Wehner, Linda Kay
Wells, Peggy Ann
Woods, Lawrence Scott
Zamora, Raul

Junior Membership

Baumgarten, Robert Harris
Bednar, Jonnie Bee
Bernhard, Kay Foster
Bode, Elaine Darene
Kercheville, Robert James
Kocurek, Margaret Elaine
Luce, Tommy Roy
McCallum, Karen Judith
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A medical examination by a legally qualified physician is required of each student entering Southwest Texas State College for the first time. The examination should be made not more than thirty days prior to the student's admission to college. It is intended to furnish information which will enable college authorities to assist students in maintaining a high degree of efficiency by proper adjustment, as early as possible, to the mental, physical, and social activities of college life. This form must be completed and returned to the Division of Student Personnel.

TO THE PHYSICIAN

The examining physician is requested to be extremely careful in making the examination and recording the facts, inasmuch as the summary of the blank will be the basis for determining the student's participation in many forms of vigorous physical activity.

Name .......................................................... Date ..........................................................

Home Address .......................................................... Home Phone ..........................................................

MEDICAL HISTORY

HAS APPLICANT EVER HAD

Measles ..........................................................Poliomyelitis .......................................................... Tuberculosis
Mumps ..........................................................Rheumatic fever .......................................................... Chicken Pox ..........................................................
Diphtheria ..........................................................Typhoid fever .......................................................... Convulsive Seizures
Scarlet Fever ..........................................................Heart Trouble .......................................................... Nervous breakdowns

Allergies ..........................................................Diabetes .......................................................... Other ..........................................................

What illness of more than one week duration have you had during the last four years? ............................ Give Dates: ..........................................................

What injuries or operations have you had? .......................................................... Dates: ..........................................................

Does any effect of previous injury or illness persist at the present time? ..........................................................

Does applicant now have:

Allergy ..........................................................Diabetes .......................................................... Headache
Asthma ..........................................................T. B. .......................................................... Nervous Disorder
Heart Disease ..........................................................Thyroid .......................................................... Menstrual Disorder
Kidney Disease ..........................................................Skin Disease .......................................................... Hernia
Other ..........................................................

(Continued on Reverse Side)
MEDICAL EXAMINATION—Fill out in detail

N—Normal  Neg.—Negative  Describe all positive findings in detail

Height ............................................................ Weight ............................................................ Age ............................................................

VISION: Without Glasses Rt. 20/20 , Lt. 20/20  With Glasses Rt. 20/20 , Lt. 20/20

EYES: Lids .............................................. Conjunctivae .............................................. Pupils ..............................................

EARS: Ext. ...................................... Drums: Rt. ...................................... Lt. ...................................... Hearing: Rt. ...................................... Lt. ...................................... Fungus ......................................

NOSE: Sept. Deviation ...................... Spur .............................................. Enl. Turb. ......................

MOUTH: Teeth .............................................. Gums .............................................. Tongue ..............................................

THROAT: Tonsils: Present ...................... Out .............................................. Enl. ...................................... Tags ......................................

Pharynx: Inflamed .............. Clean ..............

NECK: Thyroid: Normal ...................... Enlarged ...................... Cervical Glands ..............

HEART ...................................................................................................................................................................................

LUNGS: ..............................................................................................................................................................................

AXILLARY GLANDS: ............................................................................................................................... EPITROCHELAR GLANDS: ....

PULSE: Rate: Before Exercise .......... 2 min. after Exer. .......... 2 min. after Exerc.

BLOOD PRESSURE: Systolic .............................................. Diastolic ..............................................

ABDOMEN: Scars ...................... Masses ...................... Hernia ...................... Tenderness ......................

MALE GENITALIA: Varicocele ...................... Test Atrophy ...................... Undescended Test ......................

SPINE: Kyphosis ...................... Lordosis ...................... Scoliosis ......................

Phimosis ......................

EXTREMITIES: Deformities ...................... Flat Feet ...................... Ath. Ft. Inf. ......................

Varicosities ..............

Others ......................

SKIN: Normal .............. Dry .............. Acne .............. Fungus .............. Scars .............. Warts .............. Moles ..............

HAIR: Normal .............. Dandruff .............. Dry .............. Excessive ......................

HEMORRHOIDS ..............................................................................................................................................................................


IS APPLICANT CAPABLE OF TAKING R.O.T.C.? YES .............. NO ......................

IS APPLICANT ABLE TO PARTICIPATE IN FULL PHYSICAL EDUCATION PROGRAM AND INTRAMURAL SPORTS? YES .............. NO ......................

REMARKS OR RECOMMENDATIONS:

VACCINATION CERTIFICATE:

All candidates must comply with the following requirement: A successful smallpox vaccination within three years of a candidate's admission to college.

I hereby certify that Mr. [Name]

Miss [Name]

Address [Address]

was successfully vaccinated for smallpox on ______________.

As a result of the above examination, it is my opinion that (no/the following) limitation should be placed on the physical and mental activity of the student.

Signed [Name] [Signature]  M.D.  
Examining Physician
APPLICATION FOR LIVING ACCOMMODATIONS

The room-reservation deposit is $20.00 and must remain on file during a student's attendance and use of dormitory facilities. It is refundable upon request if cancellation of the reservation is received in the Personnel Office according to the following schedule:

- For the Fall Semester — On or before August 1
- For the Spring Semester — On or before January 4
- For Summer, 1st 6 weeks — On or before May 15
- For Summer, 2nd 6 weeks — On or before July 1
- For Workshops — One week prior to the first session of the workshop

A RESERVATION MADE AND CANCELED AFTER THE ABOVE SCHEDULED DATE OR WITHDRAWAL FROM THE RESIDENCE HALL DURING THE PERIOD FOR WHICH RESERVATION IS REQUESTED WILL MEAN FORFEITURE OF ROOM DEPOSIT, EXCEPT WHERE EXTENUATING CIRCUMSTANCES ARE INVOLVED.

Name of Applicant ..................................................................................................................
Sex .................................................................................................................................
Home Address ................................................................................................................ Telephone ..........................................
Name of Parents or Guardians ...........................................................................................................

Your classification for period for which this application is made (Circle):

- Freshman
- Sophomore
- Junior
- Senior
- Graduate
- Special

For what semester are you requesting reservation? (Check and give year)
- Fall Sem. .......... 19 .... ; Spring Sem. .......... 19 .... ; SS1 .......... 19 ; SSII .......... 19 ...... ;
- Have you been enrolled before in Southwest Texas State College? If so, when? ......
- Did you live in a Southwest Texas State College residence hall? Yes. . No. .... Date. ....
- Have you attended another college or university? ...... If so, which? ...... When....
- Do you have any physical handicaps? ...... If so, please specify ...........................................................

Type of accommodations preferred: (Check one)

- Dormitory ........................................................................................................
- Co-operative House (Women only) ............................................................................

Name of Dormitory or Co-operative House (If known):

First choice ............................................................................................................. Second choice

Roommate preference (if any) ................................................................................

Floor or room preference (number if known) ..........................................................

NOTE: THIS IS NOT AN APPLICATION FOR ADMISSION TO COLLEGE. AN APPLICATION FOR ADMISSION MUST BE FILED WITH THE OFFICE OF THE REGISTRAR. IF YOUR APPLICATION FOR ADMISSION IS REJECTED, YOUR ROOM RESERVATION WILL BE IMMEDIATELY CANCELED AND YOUR DEPOSIT REFUNDED.

The College reserves the right to close any residence hall when such action is deemed necessary.

Any student who leaves a room reservation deposit with the College and does not use dormitory facilities for a period of four years will forfeit the deposit.

Please make check or money order payable to: Southwest Texas State College, and mail with this form to The Director of Housing, Division of Personnel, Southwest Texas State College.
APPLICATION FOR ADMISSION
SOUTHWEST TEXAS STATE COLLEGE
San Marcos, Texas

Please fill out carefully and return with complete transcript to OFFICE OF THE REGISTRAR.

Name ..............................................................

Last First Middle

Home Address ..............................................................

Street Address City State

Sex .............................................................. Race .............................................................. Birth date ..............................................................

Single .............................................................. Married ..............................................................

APPLICATION FOR ADMISSION TO: (Check one).

1. Fall semester 19.............................. (Application for Admission and transcript should be in this office before August 1st.)

2. Spring semester 19.............................. (Application for Admission and transcript should be in this office before January 1st.)

3. Summer Session I, 19............. (Application for Admission and transcript should be in this office before May 1st.)

4. Summer Session II, 19............. (Application for Admission and transcript should be in this office before June 1st.)

5. Is this application for summer work only: Yes .............................................................. No ..............................................................

6. What will be your classification when you register? (Circle one) Freshman, Sophomore, Junior, Senior, Graduate, Post Graduate

7. In what subject do you plan to major in college? ..............................................................

8. Highest grade completed in high school. (Circle one) 9, 10, 11, 12. Did you graduate? Yes ............ No ............

9. Rank in high school graduating class (Circle one) 1st, 2nd, 3rd, 4th quarter.

10. Date of graduation from high school ........ Name of high school?

11. Location of high school .............................................................. Name of high school?

Street Address City State

12. Have you made a room reservation? Yes ............ No ............

13. Have you taken the ACT or CEEB Examination? Yes ............ No ............ Date ............

IF YOU HAVE ATTENDED COLLEGE, COMPLETE ITEMS 14, 15, 16, 17:

14 List all colleges attended:

Name of college From To ....

Name of college From To ....

Name of college From To ....

15. Number of semester hours completed with grade of "C" or above ..............................................................

16. Number of semester hours attempted (include all hours for which a grade was earned) ....

17. Are you eligible to return to your previous college? ..............................................................

I certify that the above information is correct.

Present date .............................................................. Usual Signature
ABOUT THE COVER

The catalog cover pictures the four-story-high mural on the southwest end of the Library Building. The concrete mural is the largest of its kind in the world. It portrays the academic community. The 22½-ton mural was set into place by artist J. B. Winn in 1959.

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