Fifty-third Annual Catalog
For 1955-56
(Being a Supplement to the Annual Catalog for 1954-55)
PREFATORY NOTE

This is a supplement to the General Catalog for 1954-55, copies of which are available for reference in the offices of the Registrar, the Deans, the Heads of Departments and in the Library.

Principles and policies, regulations, and courses as set forth in the catalog for 1954-55 continue in full effect with the following exceptions:

1. Fees for 1955-56 are those set forth in this bulletin.

   Note: Beginning with the regular session of 1955-56 a late registration fee of $1 will be charged all undergraduate students who register after the sixth day of any semester, 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.

   Also beginning with the regular session 1955-56 a fee of $1 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.—This regulation negates the one governing dropping of courses heretofore obtaining.

2. The requirements for graduation with an undergraduate degree as outlined in this bulletin take precedence over the comparable ones heretofore obtaining. A full statement of the requirements for graduation with the Master's Degree (inclusive of the residence requirement as revised that candidates for the Master's Degree will be expected henceforth to honor) will be sent upon request.

   Note: Freshmen who, upon examination, demonstrate language difficulties, noticeably those who enter with bi-lingual backgrounds, may be required to enroll in special sections of English 11 and Speech 13 meeting more than the customary three class periods per week. Such special sections will be identified in the printed schedule as English 11x and Speech 13x. Students evidencing such language difficulties may be required also to enroll for Reading 13.

3. The following courses listed in the catalog for 1954-55 have been discontinued:
   Agriculture 161; Business Administration 19; Speech 243.

4. The following courses listed in this bulletin are new:
   Agriculture 261 (formerly 161); Biology 251; Business Administration 21; Education 393; English 83 (reintroduced); Industrial Arts 321, 322; Journalism 157; Music 224, 225; Speech 121, 141 (formerly 243), 279, 343, 345.

5. Effective with the regular session 1955-56, the regulations governing car registrations will be those that will be found posted on the official bulletin board.

6. The members of the instructional staff identified in this bulletin are those constituting the Faculty for 1954-55.
GENERAL EDUCATION

Effective with the regular session 1953-54 candidates for graduation with the bachelor's degree, except to the extent contra-indicated under any given curriculum, will be required to offer toward graduation a total of 52 semester hours 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 11, 12. History of Western Civilization. (3-0). Credit, 3 hours each.
   Government 61, 62. American Government. (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; how 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. SCIENCE AND MATHEMATICS, at least 9 semester hours:
   Science, at least 6 semester hours. (See note).
   Mathematics 11. Algebra I. (3-1). Credit, 3 hours.

   Note: Students enrolled under the curriculum for elementary teachers will meet the graduation requirement in laboratory science by enrolling for Biology 57 and General Science 111,
112. All other students whose curricular requirements do not call for laboratory science in the fields of both the biological and the physical sciences will be expected to elect courses in science in accordance with the following regulations: Those who offer no credit in science in partial fulfillment of the requirements for entrance to college must enroll in courses in both the biological and the physical sciences; those who offer credit in General Science may enroll for either a course in biological or a course in physical science; those who offer entrance credit in Biology only must enroll for a course in physical science; those who offer entrance credit in a physical science only must enroll for a course in biological science.

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 total of 52 semester hours, chosen from the following subjects or fields of subject matter:

   Humanities 102. Literature and Life. (2-0). Credit, 2 hours. A study of the flowering of basic philosophic ideas in great works of literature. Materials relevant to contemporary thought will be stressed.

   Humanities 115. 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.

   Additional courses in Religion or Bible.

   Foreign Language, 8 semester hours.

   A second laboratory science (Biology, if the first was Chemistry or Physics and vice-versa).
The validity of credit earned in other subjects toward meeting the graduation requirement in General Education will be determined in terms of the total structure of the student's course of study at the time he has his degree outline made.

**READING**

Assistant Professor Shepherd

13. Reading I. Credit, 1 hour. To aid not only freshmen but all students who lack sound reading and study habits as evidenced by scores on diagnostic tests. Instruction will develop the following skills: word recognition, vocabulary development, comprehension, concentration, and rapid reading.

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 in comprehension will cover finding main ideas, locating important details, drawing conclusions, and making inferences.

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 objective will be not only the development of needed skills, but the application of these skills to all types of reading, including critical reading.
COLLEGE CALENDAR, 1955-56

REGULAR SESSION

1955

September 12-14, Monday-Wednesday: Freshman Orientation and Registration.
September 14, Wednesday: College Entrance Examinations.
September 15, Thursday: Registration of all other students.
November 10, Thursday: Mid-semester grades due.
November 11, Friday: Armistice Day.
November 19, Saturday: Alumni Meeting and Homecoming.
November 24-26, Thursday-Saturday: Thanksgiving Holidays.
December 17, Saturday: Last day of work before Christmas.

1956

January 2, Monday: Classes resume.
January 18-21, Wednesday-Saturday: Examinations for the first semester.
January 24, Tuesday: Registration for the second semester.
February 29, Wednesday: Last day for filing applications for degrees to be conferred on May 20.
March 23, Friday: Mid-semester grades due.
March 29, Thursday, 10:00 a.m.: Easter Cantata.
March 30-April 2, Friday-Monday: Easter Holidays.
May 20, Sunday: Baccalaureate Service, 10:30 a.m., and Graduating Exercises, 2:30 p.m.
May 21-24, Monday-Thursday: Examinations for the second semester.

SUMMER SESSION, 1956

June 4, Monday: Registration for first half summer session.
June 5, Tuesday: Classes begin.
June 16, Saturday: Last day for filing applications for degrees to be conferred on August 23.
July 13, Friday: First half session closes.
July 16, Monday: Second half session opens.
August 23, Thursday, 7:30 p.m.: Baccalaureate Service and Graduating Exercises. Second half session closes.
FEES AND EXPENSES

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

<table>
<thead>
<tr>
<th>FEES</th>
<th>Per Semester (18 wks.)</th>
<th>Per Year (36 wks.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration (Tuition)</td>
<td>$25.00</td>
<td>$50.00</td>
</tr>
<tr>
<td>Building Use Fees, $8.50; Student Service Optional Fee, $9.00</td>
<td>17.50</td>
<td>35.00</td>
</tr>
<tr>
<td>Textbooks and Supplies (approximate cost)</td>
<td>20.00</td>
<td>35.00</td>
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<tr>
<td>Trust Fund Deposit (Refundable)</td>
<td>2.00</td>
<td>2.00</td>
</tr>
<tr>
<td></td>
<td>$42.50</td>
<td>$85.00</td>
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*Payment of fees. All fees are payable at the time of registration, and a student is not registered until his fees are paid in full. Payment may be made in check or in money order payable to Southwest Texas State Teachers College. If checks or drafts are returned unpaid for any cause 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.

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

The fee of $42.50 payable at the beginning of each semester includes the statutory tuition fee of $25.00; the building use fees of $8.50; and the student service optional fee of $9.00 which entitles the student to 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." This student service fee also helps provide funds for the Student Senate, Band, Glee Club, Dramatics, Debate, and other student activities.

The physician and nurses are available for consultation, and direct the medical services of the College. The student service fee also provides for hospitalization in the College Infirmary for a period of twelve days or, in emergency cases to a maximum of five days in the Hays County Memorial Hospital if recommended by the College physician and approved by the Coordinator of Health and Physical Education. The College cannot assume responsibility for hospitalization, outside its own infirmary, of students due to accidents occurring in activities which are not sponsored or sanctioned by this institution.

Tuition Fee for Non-Residents: Pursuant to provisions of House Bill 507 enacted by the 50th Legislature of Texas tuition fees for students who are not residents of Texas have been established as follows:

1. For each semester $75.00, or $150.00 for a school year of nine months.
2. For a summer term of six weeks the fee shall be $25.00, or $50.00 for the twelve weeks session.

The Trust Fund Deposit is payable only once during the regular session, namely, the first time the student registers, and is returnable at the close of the semester or year, provided all Laboratory and Reference Library records are clear and no damage to College property has been charged to the student.

A.F.R.O.T.C. Property Deposit. Each Air Force R.O.T.C. student is required to make an R.O.T.C. property deposit of $10.00 This deposit, less charges, will be refunded to the student at the end of the college year.

FEES DEPENDENT ON SPECIAL COURSES

Piano, voice 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
   Instrument Rental........................................... 1.00 per semester
   Practice Fee.................................................. 2.00 per semester
   For Non-Music major or minor, applied music lesson fee................................. 8.00 per semester
   Chamber Music Fee........................................... 2.00 per semester

General Science 111-112.................................. 1.00 per semester
Biology 113.................................................... 2.50 per semester
Biology 119.................................................... 3.00 per semester
Biology 221-222............................................. 5.00 per semester
Other Biology Courses.................................. 1.00 per semester
Chemistry Fee (not including breakage)........................................... 1.00 per semester
Home Economics Fee....................................... 1.00 per semester
Industrial Arts Fee (See course description)............................... 1.00 per semester
Art Fee.......................................................... 2.50 per semester
Air Science..................................................... 7.00 per long session
Typewriter Rental............................................ 1.00 per semester
Certificate (payable when applying for certificate).......................... 1.00
Diploma Fee (payable when applying for degree).................................. 5.00
Diploma Fee (payable when applying for 2-year diploma).................... 1.50

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 government uniforms and books to students.

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.

In the summer session any student withdrawing officially, and submitting a withdrawal card and registration receipt to the business office,
during the first week after registration day will receive a refund of fifty per cent of his tuition and fees. A student who withdraws after the first week will not be entitled to a refund.

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

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

ROOM AND BOARD

<table>
<thead>
<tr>
<th></th>
<th>Per Installment (4 per semester)</th>
<th>Per Semester (18 wks.)</th>
<th>Per Year (36 wks.)</th>
</tr>
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<tbody>
<tr>
<td>Sallie Ward Beretta Hall (Women)</td>
<td>$ 55.50</td>
<td>222.00</td>
<td>444.00</td>
</tr>
<tr>
<td>Freshman Hall (Women)</td>
<td>55.50</td>
<td>222.00</td>
<td>444.00</td>
</tr>
<tr>
<td>Commons Hall (Women)</td>
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<td>222.00</td>
<td>444.00</td>
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<tr>
<td>Sayers Hall (Women)</td>
<td>55.50</td>
<td>222.00</td>
<td>444.00</td>
</tr>
<tr>
<td>Harris Hall (Men)</td>
<td>55.50</td>
<td>222.00</td>
<td>444.00</td>
</tr>
<tr>
<td>New Dormitory (Men)</td>
<td>55.50</td>
<td>222.00</td>
<td>444.00</td>
</tr>
<tr>
<td>New Cooperative House (Women)</td>
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<tr>
<td>Other Cooperative Houses (Women)</td>
<td>38.00</td>
<td>152.00</td>
<td>304.00</td>
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<tr>
<td>Other Residence Halls (Men)</td>
<td>51.00</td>
<td>204.00</td>
<td>408.00</td>
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</tbody>
</table>

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 to be on or before the date of registration, and the other three payments on or before:

October 10
November 10
December 10

For the spring semester the first payment to be made on or before the day of registration and the other three payments to be made 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 $152.00 per semester, payable in four installments in accordance with the schedule indicated above, or they may purchase single meals from the College cafeteria.
Students who arrive at the College more than one day prior to the time they are expected to be here may secure their rooms at the rate of $1.00 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 permitted 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. Any payments made for room and board beyond the current installment period may be refunded 100% upon official withdrawal and request.

Room and board charges continue until the student has officially changed his residence. Any arrearages must be settled in accordance with this refund policy.

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

Married students may secure one, two and three-bedroom apartments at the Riverside Homes from $25.00 to $40.00 per month, which includes all utilities.
SOUTHWEST TEXAS STATE TEACHERS COLLEGE

STATE BOARD OF TEACHERS COLLEGE REGENTS

MEMBERS

1954-55

Charles P. McGaha, President .............................................. Wichita Falls
John C. Calhoun, Vice-President ............................................ Corsicana
H. L. Mills .............................................................................. Houston
W. L. Kerr .............................................................................. Midland
Jack Woodward ........................................................................ Dallas
W. H. Frank Barnes ................................................................. Terrell
Frank E. White ......................................................................... Cleveland
Mrs. Elizabeth Koch ............................................................... San Antonio
Henry Sears ............................................................................. Austin
Claude Isbell, Secretary

OFFICERS OF ADMINISTRATION

GENERAL OFFICERS

1954-55

JOHN GARLAND FLOWERS, Ph.D. ........................................ President
ALFRED HENRY NOLLE, Ph.D. ............................................. Dean of the College
EDWARD ORLANDO WILEY, Ph.D. .................................... Director of Teacher Training
CLAUDE ELLIOTT, Ph.D. .......................................................... Dean of Graduate Studies
J. LLOYD READ, Ph.D. ............................................................. Registrar
PATRICK HENRY NORWOOD, Ph.D. .................................. Director of Public Service
JEROME C. CATES, M.B.A. ..................................................... Business Manager
HENRY ELI SPECK, A.M. ....................................................... Dean of Men
MARTIN O. JUEL, Ph. D. ....................................................... Coordinator of Health and Physical Education
MARJORIE STEWART, A.M. .................................................. Director of Housing for Women and Counselor
LUCYNE WALTON, A.M. ......................................................... Director of Student Life and Counselor
ERNEST BRYAN JACKSON, A.M. ........................................ Librarian
MAURICE D. HEATLY, M.D. .................................................. College Physician
WILLIAM L. MOORE, M.D. ..................................................... Assistant College Physician
JOHN WILLIAM HALL .......................................................... Director of Maintenance
MINA ELLIOTT .................................................................. Dietitian

INSTRUCTIONAL CHAIRMEN

TOLLIE RAYMOND BUIE, Ed.D. ............................................ Agriculture
VERNA L. DECKERT, A.M. ..................................................... Art
WILLIAM ELMORE NORRIS, JR., Ph.D. ................................. Biology
ALVIN W. MUSGRAVE, Ed.D. ............................................... Business Administration
CARROLL L. KEY, Ph.D. .......................................................... Chemistry
EDWARD ORLANDO WILEY, Ph.D. ..................................... Education
LELAND E. DERRICK, Ph.D. (Acting) ..................................... English
ALFRED HENRY NOLLE, Ph.D. ................................................ German
ONAH JACKS, Ed.D. ........................................... Home Economics
VICTOR L. BOWERS, Ph.D. ..................................... Industrial Arts
DON CUDE, A.M. (Acting) ..................................... Mathematics
ROBERT A. TAMPKE, Ph.D. .................................... Music
MARTIN O. JUEL, Ph.D. ......................................... Health and Physical Education
OSCAR W. STRAHAH, A.M. ................................. Director of Physical Education for Men
JEAN AMELIA SMITH, P.E.D. .......................... Director of Physical Education for Women
RUFUS R. RUSH, A.M. .......................................... Physics
JAMES TAYLOR, Ph.D. .......................................... Social Science
J. LLOYD READ, Ph.D. .......................................... Spanish
ELTON ABERNATHY, Ph.D. ..................................... Speech

ASSISTANTS

CLARA E. TAYLOR .................................................. Secretary to the President
MARGARET METCALF WILSON ......................... Secretary to the Dean of the College
HATTIE ROBERTS, A.M. ................................. Secretary to the Dean of Graduate Studies
BLANCHE OLDS NIX .............................. Assistant Registrar
PEGGY B. BARTHOLOMEW ......................... Secretary to the Registrar
JO'AN TATUM, B.S. in H.E. ......................... Secretary to the Division of Personnel
JOYCE SYMM ............................................. Secretary to the Director of Public Service
JOAN GRAHAM ............................................. Secretary to the Business Manager
ANNA LOU C. MILLIGAN ......................... Secretary to the Publications Office
DELIGHT M. TASSIN, A.M. ......................... Auditor—Business Office
WILLIAM E. JORDAN, B.B.A. ......................... Auditor—Business Office
R. C. JOHNSON, B.B.A. ................................ Bookkeeper—Business Office
CHARLENE JENNINGS .............................. Clerk-Cashier—Business Office
NELL KEMPER ............................................. Cashier—Business Office
NORA GAINES ............................................. Transcript Clerk—Registrar’s Office
BETTY MOBLEY ............................................. Clerk—Registrar’s Office
ADELINE NEIGHBORS, B.L.S. ......................... Reference Librarian
DELLA LEE WIXON, M.A. .......................... Assistant Reference Librarian
FLORENCE HARPER, B.S. ......................... Cataloguer—Library
ISABELLE MEYER, B.S. ................................. Library Binder
ETHEL DAVIS ............................................. Assistant Librarian
SELMA W. OTTMERS, B.A. ................................ Assistant Librarian
HERTSHA KUEHN BOWLIN, R.N. ....................... College Nurse
JANETTE REYNOLDS .............................. Director of Sayers Hall
MARTHA DILLON ......................................... Director of Sallie Beretta Dormitory
JEWEL POSEY ............................................. Director of Freshman Dormitory
BOBBIE MORGAN ......................................... Director of Commons Dormitory
JOHN ARNN ............................................. Director of Harris Hall
JACK HUGHES ............................................. Director of New Men’s Dormitory
MILLIE HENDERSON ................................….. Director of New Co-op
BLANCHE ESSLINGER .................................. Director of Pickard Hall
LELIA M. MASON ......................................... Director of North Side Co-op
LILLIAN THOMAS, A.B., B.S. ......................... Director of Museum
HELEN MENNE ............................................. Secretary to Director of Maintenance
JOHNNIE OLIVER ......................................... P.B.X. Operator
ADMISSION AND GRADUATION REQUIREMENTS

ADMISSION REQUIREMENTS

Admission by Graduation from High School. Graduates of high schools who present fifteen units affiliated by the Texas Education Agency may be admitted to the freshman class upon presentation of a transcript of work signed by proper authority. The fifteen units must include:

- English, 3.
- Mathematics, 2.
- Social Science, 2, including at least one unit in History.
- Electives, sufficient to make 15.

High school students presenting the full fifteen or more admission units, but not including one or two of the seven units prescribed above may be admitted conditionally, the conditions 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 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 that 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 by Examination. Applicants for college admission who do not present credentials from accredited high schools may absolve the requirements by examination. The subjects in which the applicant wishes to be examined may be selected from the current bulletin of the Texas Education Agency.

Entrance examinations are held in May and September. The May examination is administered by the Texas Education Agency, the September examination by the College. Additional examinations may be arranged if found desirable.

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 a 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 indi-
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 applicability 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.

CURRICULUM FOR ELEMENTARY TEACHERS LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION

Freshman year: English 11, 12; Speech 13; History 11, 12; Art 13; Music 11; Mathematics 11; Physical Education Activities, two semester hours; electives to make a total of 32 semester hours for the year. The electives should include, preferably, subjects selected from the following as dictated by the student's choice of concentrations: Art 15; Physical Education 18, 19, 41, 42; Music 1, 2, 12; Geography 13; Spanish 13, 15; Speech 15.

Sophomore year: Education 53, 67; English 63, 64; History 61, 62; Biology 57; Physical Education Activities, two semester hours; other subjects including, preferably, Government 61, 62 to make a total of 32 semester hours for the year.

Junior year: Education 123, 147 (preferably before 123); English 135; General Science 111, 112; Physical Education 175; other subjects, including minors and, unless previously absolved, Government 61, 62, to make a total of at least 30 semester hours for the year.

Senior year: Education, 12 semester hours of advanced work dealing with the elementary field including Education 281, 282, 227; other subjects, including minors, to make the total of 128 semester hours required for graduation.

Note: The electives must include Humanities 101 or a course in Bible or Religion, Humanities 113, and any additional courses needed to satisfy the requirement in General Education.

During the junior and senior years students will be expected to complete a total of 64 semester hours work, provided that of the 128 required for graduation 40 hours must be advanced. They will, moreover, be expected to offer in partial fulfillment of the requirements for graduation two concentrations or minors selected normally from the following teaching fields made up of the subjects respectively indicated; provided that with special approval the secondary concentration may be a modification of one of those listed or may be in a field not listed, e.g., Agriculture or Home Economics.

I. Art—Art 13, 15, 53 or 73, 123, and at least one advanced course additional.
II. English—English 11, 12, 63, 64, 117, 135, and at least one advanced course additional.

III. Health and Physical Education (For Women), preferably in the sequence indicated: Physical Education 1, 2, 18, 19 (in the freshman year); 8, 10, 98, 99 (in the sophomore year); 45, 115, 175 (in the junior year); 57, 149, 214 (in the senior year). Health and Physical Education (For Men). Physical Education 41, 42, 57, 113, 115, 251; Physical Education activities, six semester hours.

IV. Library Science—113, 117, 123, 127.

V. Music—1, 2, (or 67); 11, 12; Music Education 57 or 143; Ensemble two semester hours; and preferably Music Education 107 and at least two semester hours in applied music.

Note: All work in applied music and in ensemble must be elected with the advice and consent of the Department of Music.

VI. Science (and Mathematics)—Biology 57, General Science 111, 112, and either (a) nine semester hours of additional Science or (b) Geography 13, Mathematics 11, 200.

VII. Social Science—History 11, 12, 61, 62; Sociology 67; Geography 13 or 57; Government 62, 62; and (a) two courses in history selected, preferably from History 111, 112, 121, 143, or (b) six semester hours of advanced work in Geography.

VIII. Spanish—Spanish 13, 15, 71, 72, and six semester hours of advanced work additional.

IX. Speech
   A. Normal Concentration: Speech 13 (unless excused), 15, 18, 137, 157, 285, 287, and preferably, 57.
   B. Auditorium or Elementary Speech Teacher: Speech 13 (unless excused), 15, 18, 57, 137, 157, 285, 287.
   C. Speech Correction: Speech 13 or 15, 57, 121 or 201, 119, 125, 141, 245, 285, 287 or 289; Education 120 and, in lieu of 227, 154.

   Art 123, Geography 13 or 57, Industrial Arts 159, Mathematics 200, Music 57, and Physical Education 115 are recommended as elective courses. Other elective courses must be chosen with the consent of the proper adviser.

   Completion of the course of study as outlined leads to a permanent elementary certificate valid in grades one to seven inclusive.

CURRICULUM FOR HIGH SCHOOL TEACHERS LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION.

Freshman year: English 11, 12; Speech 13; History 11, 12; Mathematics 11; Physical Education Activities, two semester hours; other subjects (including, preferably, biology, chemistry or physics as required, six or eight hours) to make a total of 32 semester hours for the year.
Sophomore year: Education 53, 67; English, 61, 62, or 63, 64, or 67, 68; Government 61, 62; Physical Education Activities, two semester hours; other subjects (including, unless previously absolved, biology or physics or chemistry, six or eight hours) to make a total of 32 semester hours for the year.

Junior year: Education 163, 157; other subjects (including teaching major and minor) to make a total of at least 30 semester hours for the year.

Senior year: Education, 12 semester hours of advanced work including Education 291, 292, 229; other subjects including teaching major and minor to make the total of 128 semester hours required for graduation.

Note: The electives must include Humanities 101 or a course in Bible or Religion, Humanities 113, and any additional courses needed to satisfy the requirement in General Education.

The courses making up the teaching major must be selected from any one 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 may be selected from any one of the fields authorized for a teaching major or in agriculture or home economics or industrial arts.

If not prescribed by departmental regulation a major consists of at least 24 semester hours of which at least 12 hours must be advanced; a minor of at least 18 semester hours of which at least six hours must be advanced.

All majors and minors must be chosen not later than the beginning of the junior 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.

Of the 64 semester hours of 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.

Completion of the course of study as outlined leads to a permanent high school certificate.

GENERAL CURricula LEADING TO THE DEGREES OF BACHELOR OF ARTS AND BACHELOR OF SCIENCE

Freshman year: English 11, 12; Speech 13; History 11, 12; Mathematics 11; Physical Education Activities, two semester hours; other subjects, to make a total of at least 32 semester hours for the year.

The student will be expected under this curriculum to absolve the following courses of freshman and sophomore rank in addition to those in speech, English, history, mathematics, and physical education activities indicated: Biology 11, 12 (or 61, 62 if preceded by Chemistry 11, 12);
Chemistry 11, 12 or Physics 11, 12; Government 61, 62; and (a) for the degree of Bachelor of Arts, 14 semester hours in one foreign language represented by courses 13 (or two high school units in the language), 15, 71, 72; or (b) for the degree of Bachelor of Science, eight semester hours in foreign language represented specifically by French 13, 15; or German 13, 15; and other subjects to make a total of at least 32 semester hours a year. Ordinarily, these courses should be absolved as a part of the work of the freshman and sophomore years, but for reason a student may postpone one of the required courses in science and Government 61, 62 until the junior year.

Sophomore year: English 61, 62 or 63, 64 or 67, 68; Physical Education Activities, two semester hours; other subjects, including Biology 11, 12 or 61, 62 or Chemistry 11, 12 or Physics 11, 12, to make a total of at least 32 semester hours for the year.

Junior year: Major, minor, and other subjects including Biology 11, 12 or 61, 62 (unless previously absolved); Chemistry 11, 12 or Physics 11, 12 (unless previously absolved); Government 61, 62 (unless previously absolved); other subjects, to make a total of at least 32 semester hours for the year.

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

Note: The electives must include Humanities 101 or a course in Bible or Religion, Humanities 113, and any additional courses needed to satisfy the requirement in General Education.

Majors and Minors. The courses making up the academic major offered in partial fulfillment of the requirements for the degree of Bachelor of Arts may be selected from any one of the following subjects provided that if the student intends to qualify for a certificate to teach the major must be a teaching major and the minor a teaching minor: art, business administration, economics, English, geography, German, government, history, journalism, mathematics, music, health and physical education, sociology, Spanish, speech. The courses making up the academic major offered in partial fulfillment of the requirements for the degree of Bachelor of Science must be selected from one of the following subjects provided that if the student intends to qualify for a certificate to teach, the major must be a teaching major and the minor a teaching minor: biology, chemistry, physics.

The courses making up an academic minor may, in the instance of either degree, be selected from any one of the subjects authorized for a major or in industrial arts or library science.

If not prescribed by departmental regulation a major consists of at least 24 semester hours of which at least 12 hours must be advanced; a minor of at least 18 semester hours of which at least six hours must be advanced.

All majors and minors must be chosen not later than the beginning of the junior 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.

Of the 64 semester hours of 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.

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

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

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

2. The general homemaking curriculum designed for both men and women who wish definite training in all phases of preparation for homemaking.

Satisfactory completion of the course of study outlined under Vocational Teacher Education curriculum leads to a legal special permanent certificate in home economics, a permanent high school certificate, and to a vocational home economics certificate of approval issued by the Texas Education Agency (commonly though erroneously referred to as "The Smith-Hughes Certificate").

Completion of the course of study outlined under General Homemaking Curriculum leads to the Bachelor of Science Degree in Home Economics, but does not qualify the graduate to teach at any grade level.

**A. Vocational Teacher Education Curriculum**

Freshman year: English 11, 12; Speech 13; Home Economics 11, 12, 21, 22; Chemistry 13; Biology 13; Mathematics 11; Physical Education Activities, two semester hours.

Sophomore year: Education 53, 67; English 61, 62 or 63, 64 or 67, 68; History 51, 52; Chemistry 77; Biology 63; Home Economics 63, 67; Physical Education Activities, two semester hours.

Junior year: Education 157, Home Economics Education 143, Home Economics 103, 123, 132, 137; Economics 67; Government 61, 62; an additional subject to make a total of at least 30 hours for the year.

Senior year: Home Economics Education 193, 291, 292; Education 229; Home Economics 113, 133; Industrial Arts 115; other subjects to make the total of 128 semester hours required for graduation.

Advanced courses must total 40 semester hours.

Note: The electives must include Humanities 101 or a course in Bible or Religion, Humanities 113, and any additional courses needed to satisfy the requirement in General Education.
B. General Homemaking Curriculum

Freshman year: English 11, 12; Speech 13; Home Economics 11, 12; 21, 22; Chemistry 13; Biology 13; Mathematics 11; Physical Education Activities, two semester hours.

Sophomore year: Education 53, English 61, 62 or 63, 64 or 67, 68; History 51, 52; Chemistry 77; Biology 63; Home Economics 63, 67; Physical Education Activities, two semester hours; and an additional subject, preferably Economics 67, to complete a total of 34 semester hours for the year.

Junior year: Home Economics 123, 132, 137; Government 61, 62; other subjects, including a minor and, unless previously absolved, Economics 67, to make a total of at least 30 semester hours for the year.

Senior year: Home Economics: nine semester hours of advanced work, Industrial Arts 115, other subjects, including a minor, to make the total of 128 semester hours required for graduation.

Advanced courses must total 40 semester hours.

Note: The electives must include Humanities 101 or a course in Bible or Religion, Humanities 113, and any additional courses needed to satisfy the requirement in General Education.

CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN INDUSTRIAL ARTS

Freshman year: English 11, 12; Speech 13; History 11, 12; Industrial Arts 13, 17, 21, 33; Mathematics 11; Physical Education Activities, two semester hours; additional work to make a total of at least 32 semester hours for the year.

Sophomore year: Education 53, 67; English, 61, 62 or 63, 64 or 67, 68; biology, chemistry or physics, six or eight semester hours; Industrial Arts 15, 65, 75, 19; Physical Education Activities, two semester hours.

Junior year: Education 157, 163; Government 61, 62; Industrial Arts, 12 semester hours including 87, 113, 117; other subjects including, preferably a teaching minor, to make a total of at least 30 semester hours for the year.

Senior year: Education, 12 semester hours of advanced work dealing with the secondary field including Education 291, 292, 229; Industrial Arts, six semester hours including Industrial Arts 127; other subjects including, preferably, a teaching minor, to make the total of 128 semester hours required for graduation.

Note: The electives must include Humanities 101 or a course in Bible or Religion, Humanities 113, and any additional courses needed to satisfy the requirement in General Education.

All of the unspecified courses in Industrial Arts required in the Junior and Senior years must be advanced in character and be elected in confer-
ence with director of the department. Recommended science: Physics 11, 12. Recommended electives: Art 13 and a course in Ceramics and Crafts.

Of the 64 semester hours of work that the student will be expected to complete during the junior and senior years as part of the 128 hours required for graduation 40 hours must be advanced.

Completion of the course of study as outlined leads to a permanent high school certificate.

CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN VOCATIONAL AGRICULTURE

Students wishing to major in vocational agriculture will be expected to absolve in the sequence indicated the subject matter included in the course of study outlined below provided that those not wishing to qualify to teach the subject will be expected to substitute elective courses for those in education and in agricultural education that would otherwise be required of them.

Freshman year: English 11, 12; History 11, 12; Chemistry 11, 12; Agriculture 13, 33, 45; Mathematics 11; Physical Education Activities, two semester hours.

Sophomore year: Education 53; Speech 13; English 67 or 68; Biology 11, 12; Agriculture 61 or 75, 67, 73, 77 or 79, 83; Physical Education Activities, two semester hours.

Junior year: Government 61, 62; Biology 113, 115; Agriculture 117, 125, 126, 129, 154; Agriculture Education 105; an elective to make a total of at least 39 hours for the year.

Senior year: Agriculture 117, 151; 115 or 123 or 131 or 145; 121 or 127 or 213; Agriculture Education 202, 211, 212, 291, 292; Education 229; electives in the field of general education to make the total of 128 hours required for graduation.

Twenty-four hours of the work in Vocational Agriculture must be advanced.

If Air Science is elected by the student, he may enroll in Air Science instead of Speech 13 and Mathematics 11 in the freshman year, provided these courses are absolved in the sophomore year. Likewise, if the student elects Air Science in the sophomore year, he may absolve History 61 and 62 in his junior year. It would be highly desirable that the student who elects Air Science plan to attend summer school some if he plans to complete both the complete vocational agriculture program and the Air Science program in four years. If the student electing Air Science is unable to attend summer school, it may be necessary that he take his degree without the vocational agriculture teaching certificate if he must finish in four years.

Note: Students majoring in Vocational Agriculture with exclusion of the courses in Education and Agriculture Education will be expected to satisfy the total requirement in general education by including in the
electives thus made available to them the 3-hour unit in Sophomore English (i.e., English 67 or 68) complementing the one otherwise required of them, Humanities 101 or a course in Religion or Bible, and Humanities 113.

CURRICULA FOR THE DEGREE OF BACHELOR OF MUSIC EDUCATION

A. Curriculum for Teachers of Vocal Music;

Freshman year: English 11, 12; Speech 13; History 11, 12; Mathematics 11; Music 1, 2, 11, 12; Ensemble 1, 3; Physical Education Activities, two semester hours; Applied Music (at least one hour each semester in the primary performance area) to make a total of at least 32 semester hours.

Sophomore year: Education 53, 67; English 61, 62 or 63, 64 or 67, 68; Biology or Physics or Chemistry, six or eight hours; Music 61, 62; Applied Music, two hours each semester; Ensemble 5, 7; Physical Education Activities, two semester hours.

Junior year: Education 157, 163; Government 61, 62; Music Education 107, 143, 163; other subjects including at least one hour of Applied Music each semester and a teaching minor to make a total of at least 32 hours for the year.

Senior year: Education, 12 semester hours advanced work including Education 291, 292, 229; Music 131, 137; other subjects including courses in Applied Music to make the total of 12 semester hours of work required in that field and a teaching minor to take the total of 128 semester hours required for graduation.

Note: The electives must include Humanities 101 or a course in Bible or Religion, Humanities 113, and any additional courses needed to satisfy the requirement in General Education.

The 12 semester hours of work in Applied Music required in the foregoing curriculum must be represented by (a) eight hours of work in a primary performance area (private lessons in piano, voice or in a band or an orchestral instrument) and (b) four hours of work in a secondary performance area. Moreover, the work in Applied Music and in Ensemble must be elected with the advice and consent of the Department of Music, provided that the student may offer toward graduation a total of eight semester hours of credit earned in Ensemble. The maximum number of hours in Music, Music Education, and Applied Music permitted toward graduation with the degree of Bachelor of Science in Education thus becomes 42 semester hours plus four additional semester hours represented by credit earned in Ensemble 9, 11, 13, 15.

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

On completion of the course as outlined the student will be entitled to a Permanent Special Public School Music Certificate (entitling the holder thereof to teach vocal music in all of the grades of the public
schools), a Permanent High School Certificate, and the degree of Bachelor of Science in Education.

To qualify for graduation with the degree of Bachelor of Music Education under the curriculum for teachers of vocal music instead of the degree of Bachelor of Science in Education, the student must complete all of the requirements for graduation with the latter degree with a major in music with inclusion of Ensemble 9, 11, 13, 15 and, in addition thereto, the following courses in Music and Music Education: Music 63, 132, 139, 157; Music Education 127 and course 111 or courses 111a and 111b in the student's primary performance area.

The minimum requirement for graduation with the degree of Bachelor of Music Education thus become 141 semester hours.

B. Curriculum for Teachers of Instrumental Music:

Freshman year: English 11, 12; Speech 13; History 11, 12; Mathematics 11; Music 1, 2, 11, 12; Ensemble 1, 3; Physical Education Activities, two semester hours; Applied Music (at least one hour each semester in the primary performance area) to make a total of at least 32 semester hours.

Sophomore year: Education 53, 67; English 61, 62 or 63, 64 or 67, 68; Biology or Physics or Chemistry, six or eight semester hours; Music 61, 62; Applied Music, two hours each semester; Ensemble 5, 7; Physical Education Activities, two semester hours.

Junior year: Education 157, 163; Government 61, 62; Music Education 107, 153, 163; other subjects including at least one hour of Applied Music each semester and a teaching minor to make a total of at least 32 hours for the year.

Senior year: Education, 12 semester hours advanced work including Education 291, 292, 229; Music 131, 137; other subjects including courses in Applied Music to make the total of 12 semester hours required in that field and a teaching minor to make the total of 128 semester hours required for graduation.

Note: The electives must include Humanities 101 or a course in Bible or Religion, Humanities 113, and any additional courses needed to satisfy the requirement in General Education.

The 12 semester hours of work in Applied Music required in the foregoing curriculum must be represented by (a) eight hours of work in a primary performance area (private lessons in piano or in a band or an orchestral instrument) and (b) four hours of work in a secondary performance area (private or class lessons in an area not represented by the primary area). Moreover, the work in Applied Music and in Ensemble must be elected with the advice and consent of the Department of Music, provided that the student may offer toward graduation a total of eight semester hours of credit earned in Ensemble. The maximum number of hours in Music, Music Education, and Applied Music permitted toward graduation with the degree of Bachelor of Science in Education thus be-
comes 42 semester hours plus four additional semester hours represented by credit earned in Ensemble 9, 11, 13, 15.

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

On completion of the course of study as outlined the student will be entitled to a Permanent Special Public School Music Certificate (entitling the holder thereof to teach instrumental music in all of the grades of the public school), a Permanent High School Certificate, and the degree of Bachelor of Science in Education.

To qualify for graduation with the degree of Bachelor of Music Education under the curriculum for teachers of instrumental music instead of the degree of Bachelor of Science in Education, the student must complete all of the requirements for graduation with the latter degree with a major in Music with inclusion of Ensemble 9, 11, 13, 15 and, in addition thereto, the following courses in Music and Music Education: Music 63, 132, 139, 157; Music Education 117 and course 111 or courses 111a and 111b in the student's primary performance area.

The minimum requirement for graduation with the degree of Bachelor of Music Education thus becomes 141 semester hours.

Note: Upon graduation with either the degree of Bachelor of Science in Education with a teaching major in Music or the degree of Bachelor of Music Education with inclusion of the subject matter prescribed under the respective curriculum, a student is eligible to enroll in the Graduate School for the purpose of becoming a candidate for graduation with the degree of Master of Education with a major in Music and Music Education.

CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION.

Freshman year: English 11, 12; Speech 13; History 11, 12; Business Administration 21; 23 or 25 (not both); and 27 or 31, 32 or 43; Mathematics 18, 19 or Biology or Chemistry or Physics as required, six or eight semester hours; Physical Education Activities, two semester hours.

Sophomore year: Education 53, English 61, 62 or 63, 64 or 67, 68; Business Administration 61, 62; Physical Education Activities, two semester hours; other subjects, including (unless previously absolved) Business Administration 27 or 57, Mathematics 18, 19, Biology or Chemistry or Physics, six or eight semester hours to make a total of at least 32 semester hours for the year.

Junior year: Economics 67, 73; Business Administration, 12 semester hours of advanced work including Business Administration 161, 162; Government 61, 62; other subjects, to make a total of at least 32 semester hours for the year.

Senior year: Business Administration, 12 semester hours of advanced work and any additional courses needed to make a total of at least 42 hours in the subject; other subjects, to make the total of 128 semester hours required for graduation.
Note: The electives must include Humanities 101 or a course in Bible or Religion, Humanities 113, and any additional courses needed to satisfy the requirement in General Education.

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 64 semester hours of 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.

PRE-PROFESSIONAL CURRICULA

Students intending to prepare themselves for the study of medicine, law, dentistry, or nursing should enroll under the general curricula leading to the degree of Bachelor of Arts or Bachelor of Science with inclusion of courses as prescribed by specially appointed advisers conversant with their special pre-professional needs.

Note: Pre-medical and pre-dental requirements have been revised to make mandatory inclusion also of Mathematics 13 and either Biology 111 or 112 or 115.

TWO-YEAR CURRICULA IN GENERAL EDUCATION

The College offers a two-year curriculum in general education designed to serve the needs of men and women who are not candidates for the Bachelor's degree, but who are interested in securing training for vocational competency. Completion of the course of study totaling 64 semester hours of work leads to an appropriate diploma.

First year: Speech 13; English 11, 12; History 11, 12; other subjects including a concentration (described below) and preferably a six or eight hour course in science to make a total of 32 semester hours for the year.

Second year: Art 73 or Music 67; Physical Education Activities, two semester hours; other subjects, including the required concentration and a six or eight hour course in Science unless previously absolved to make a total of 32 semester hours for the year.

The concentration must include 18 semester hours of work in one field of subject matter or at least 12 semester hours in each of two such fields selected from the following, provided that the amount of work included in a concentration in the field of business administration may total 24 semester hours.

Art
Agriculture
Biology
Business Administration
Chemistry
English, Journalism, or Speech
German
Health and Physical Education
Home Economics

Industrial Arts
Mathematics
Music
Physics
Social Science: Economics and Geography, Economics and Sociology, Government and History, History
Spanish
CURRICULA LEADING TO THE MASTER'S DEGREE

The College offers the degrees of Master of Arts and Master of Education.

The program of work leading to these degrees is designed to stress particularly advanced training for administration, supervision, and more effective classroom teaching, and to that end provides for majors in the following fields of subject matter: agricultural education, business administration, education, English, health and physical education, home economics, industrial arts, music, the sciences, and the social sciences.

A full statement of the requirements for graduation with the Master's Degree (inclusive of the residence requirement as revised) that candidates for the Master's Degree will be expected henceforth to honor) will be sent upon request.
DIVISIONS OF INSTITUTION

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 Officer Training Corps)

The courses offered in each of these Divisions are listed in the following pages: those that are described in the catalog for 1954-55, usually by title only; those that are new, with description also.

Note: Reading 13, 15, 101 are taught under the auspices of the Personnel Division; the courses in the Humanities, on an interdepartmental basis.
I. DIVISION OF EDUCATION AND DIRECTED TEACHING

Professors Wiley, Votaw, Rogers, Burgum, Norwood, Williams,
Associate Professors Wilson, Bruce, Yarbrough, McCane, Allen
Assistant Professors Shepherd, Richardson, Walton, Stewart
Instructor Ramsay

Students who intend at the time of graduation to become applicants for certificates to teach should complete the requirements outlined under the curriculum for elementary teachers or the curriculum for high school teachers, or under one of the several specialized curricula calling for a teaching major in Home Economics, Industrial Arts, Vocational Agriculture, or Music.

Approval of candidacy for admission to any course in Education in advance of Education 53 and Education 67 and again to admission to Directed Teaching shall, however, be granted only to those who show evidence of potential professional competence in the following areas:

1. Scholarship.
2. Character.
3. Personality.
4. Physical and Mental Health.
5. Intelligence.
6. Definite intention to teach.

GENERAL COURSES IN EDUCATION

53. Educational Psychology. (3-0). Credit, 3 hours.
67. Introduction to the Study of Education. (3-0). Credit, 3 hours.

COURSES IN ELEMENTARY EDUCATION

110. Child Study Laboratory for the Elementary School. (3-0). Credit, 3 hours.
115. Guidance and Pupil Adjustment in the Elementary School. (3-0). Credit, 3 hours.
123. Methods and Observation in the Elementary School. (3-0). Credit, 3 hours.

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. 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. The credit value a course carries is designated after the title of the course. Parenthetically inserted designations, e.g., (3-4), indicate the number of lecture and laboratory hours per week, respectively, that attend the course.
138. Administration of the Evaluative Criteria for Elementary Schools. (3-0). Credit, 3 hours.

147. Child Growth and Development. (3-0). Credit, 3 hours.

226. Camping Education. Credit, 3 hours. A camping education course for elementary teachers. A three-week intensive course, all of which time will be spent at the College camp. For public school camping.

227. Seminar in Elementary Education. (3-0). Credit, 3 hours.

281, 281S, 282, 283, 284. Directed Teaching. (1-6). Credit, 3 hours each.

310. Child Study Laboratory for the Elementary School. (3-0). Credit, 3 hours.

315. Guidance and Pupil Adjustment in the Elementary School. (3-0). Credit, 3 hours.

333. Advanced Seminar in Elementary Education. (3-0). Credit, 3 hours.

338. Administration of the Evaluative Criteria for Elementary Schools. (3-0). Credit, 3 hours.

355. The Elementary School Curriculum. (3-0). Credit, 3 hours.

365. Supervision of the Elementary School. (3-0). Credit, 3 hours.


COURSES IN SECONDARY EDUCATION

111. Child Study Laboratory for the Secondary School. (3-0). Credit, 3 hours.


139. Administration of the Evaluative Criteria for Secondary Schools. (3-0). Credit, 3 hours.

157. Psychology of Adolescence. (3-0). Credit, 3 hours.

163. Method and Observation in the High School. (3-2). Credit, 3 hours.

229. Seminar in Secondary Education. (3-0). Credit, 3 hours.

*267. Supervision of the Secondary School. (3-0). Credit, 3 hours.

291, 291S, 292, 293, 294. Directed Teaching. (1-6). Credit, 3 hours each.

311. Child Study Laboratory for the Secondary School. (3-0). Credit, 3 hours.
316. Guidance and Pupil Adjustment in the Secondary School. (3-0). Credit, 3 hours.


343. Advanced Seminar in Secondary Education. (3-0). Credit, 3 hours.

COURSES IN ADMINISTRATION

110. Child Study Laboratory for the Elementary School. (3-0). Credit, 3 hours.

111. Child Study Laboratory for the Secondary School. (3-0). Credit, 3 hours.

118. Driver Education. Credit, 1 hour. This class will meet eight hours a day for five days. One half of the time will be spent in class and one half in “behind-the-wheel” training.

138. Administration of the Evaluative Criteria for Elementary Schools. (3-0). Credit, 3 hours.

139. Administration of the Evaluative Criteria for Secondary Schools. (3-0). Credit, 3 hours.

170. Special Methods and Materials for Exceptional Children in the Elementary School. (3-0). Credit, 3 hours.

210. Safety Education. (3-0). Credit, 3 hours.

213. Measurements in Education. (3-0). Credit, 3 hours.

217. Pupil Personnel Problems and Guidance. (3-0). Credit, 3 hours.

*219. School-Community Relations. (3-0). Credit, 3 hours.

*223. School Finance and School Plant Facilities. (3-0). Credit, 3 hours.

*253. The Secondary Curriculum. (3-0). Credit, 3 hours.

*257. Public School Administration. (3-0). Credit, 3 hours.

*267. Supervision of the Secondary School. (3-0). Credit, 3 hours.

*276. Counseling Techniques for Personnel Workers. (3-0). Credit, 3 hours.

*278. The Organization and Administration of a Guidance Program. (3-0). Credit, 3 hours.

289. The Music Program in the Public School: Its Administration and Supervision. (3-0). Credit, 3 hours.

310. Child Study Laboratory for the Elementary School. (3-0). Credit, 3 hours.
311. Child Study Laboratory for the Secondary School. (3-0). Credit, 3 hours.

317. Supervision of Instruction. (3-0). Credit, 3 hours.

333. Advanced Seminar in Elementary Education. (3-0). Credit, 3 hours.

338. Administration of the Evaluative Criteria for Elementary Schools. (3-0). Credit, 3 hours.


343. Seminar in Secondary Education. (3-0). Credit, 3 hours.

346. Group and Individual Testing. (3-0). Credit, 3 hours.

355. The Elementary School Curriculum. (3-0). Credit, 3 hours.

365. Supervision of the Elementary School. (3-0). Credit, 3 hours.

370. Special Methods and Materials for Exceptional Children in the Elementary School. (3-0). Credit, 3 hours.

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

399. Thesis. Credit, 6 hours.

COURSES IN METHODS

115. Guidance and Pupil Adjustment in the Elementary School. (3-0). Credit, 3 hours.


123. Methods and Observation in the Elementary School. (3-2). Credit, 3 hours.

163. Methods and Observation in the High School. (3-2). Credit, 3 hours.

200. The Improvement of Reading Instruction. (3-0). Credit, 3 hours.

*227. Seminar in Elementary Education. (3-0). Credit, 3 hours.

229. Seminar in Secondary Education. (3-0). Credit, 3 hours.
230. Workshop in Curriculum and Methods for Mentally Retarded. (3-0). Credit, 3 hours.

273. Audio-Visual Education. (3-0). Credit, 3 hours.

280. Sight Conservation Problems. (3-0). Credit, 3 hours.

281, 281S, 282, 283, 284. Directed Teaching. (1-6). Credit, 3 hours each.

291, 291S, 292, 293, 294. Directed Teaching. (1-6). Credit, 3 hours each.

315. Guidance and Pupil Adjustment in the Elementary School. (3-0). Credit, 3 hours.


399. Thesis. Credit, 6 hours.

COURSES IN SPECIAL EDUCATION

120. The Education of Exceptional Children. (3-0). Credit, 3 hours.

140. Workshop for Elementary Teachers in the Education of the Physically Handicapped. (3-0). Credit, 3 hours.

170. Special Methods and Materials for Exceptional Children in the Elementary School. (3-0). Credit, 3 hours.

230. Workshop in Curriculum and Methods for the Mentally Retarded. (3-0). Credit, 3 hours.

250. Psychological Testing of Exceptional Children. (3-0). Credit, 3 hours.

*260. Mental Hygiene. (3-0). Credit, 3 hours.

280. Sight Conservation Problems. (3-0). Credit, 3 hours.

284. Directed Teaching in Special Education (Elementary). (1-6). Credit, 3 hours.

294. Directed Teaching in Special Education (Secondary. (1-6). Credit, 3 hours.

330. Institutional Organization. (3-0). Credit, 3 hours.

335. Psychological Problems of the Mentally Retarded. (3-0). Credit,

340. Workshop for Elementary Teachers in the Education of the Physically Handicapped. (3-0.) Credit, 3 hours.

370. Special Methods and Materials for Exceptional Children in the Elementary School. (3-0). Credit, 3 hours.

WORKSHOPS

110. Child Study Laboratory for the Elementary School. (3-0). Credit, 3 hours.
In the summer session, offered as a workshop.

111. Child Study Laboratory for the Secondary School. (3-0). Credit, 3 hours.

In the summer session, offered as a workshop.

115. Guidance and Pupil Adjustment in the Elementary School. (3-0). Credit, 3 hours.

In the summer session, offered as a workshop.


In the summer session, offered as a workshop.

140. Workshop for Elementary Teachers in the Education of Physically Handicapped. Credit, 3 hours.

154. Workshop for Teachers of Young Children. Credit, 3 hours.

230. Workshop in Curriculum and Methods for the Mentally Retarded. Credit, 3 hours.

306. Workshop for Principals of Elementary Schools. Credit, 3 hours.

310. Child Study Laboratory for the Elementary School. (3-0). Credit, 3 hours. In the summer session, offered as a workshop.

311. Child Study Laboratory for the Secondary School. (3-0). Credit, 3 hours. In the summer session, offered as a workshop.

315. Guidance and Pupil Adjustment in the Elementary School. (3-0). Credit, 3 hours. In the summer session, offered as a workshop.

316. Guidance and Pupil Adjustment in the Secondary School. (3-0). Credit, 3 hours. In the summer session, offered as a workshop.

321, 322. Workshop in Corrective Reading for Elementary Teachers. Credit, 3 hours each.

324. Workshop in Corrective Reading for Secondary Teachers. Credit, 3 hours.

340. Workshop for Elementary Teachers in the Education of the Physically Handicapped. Credit, 3 hours.

354. Workshop for Teachers of Young Children. Credit, 3 hours.
II. DIVISION OF ENGLISH, JOURNALISM, AND SPEECH

ENGLISH

Professors Derrick, Snellings, Houston*
Associate Professors Taylor, Lueders
Assistant Professors O'Meara, Hightower, Mallory, Hendrick
Instructors McCorquodale, Handy, Hakac

Students planning to graduate with the degree of Bachelor of Science in Education with a major in English will be expected to absolve the subject matter included in the following course of study in the sequence indicated.

Freshman year: English 11, 12; Speech 13; History 11, 12; Foreign Language, eight hours; Mathematics 11; other subjects, preferably Science, six hours; Physical Education Activities, two hours.

Sophomore year: Education 53, 67; English 61, 62; Government 61, 62 or History 71, 72; Foreign Language, six hours; other subjects (Science, if not previously absolved) six hours; Physical Education Activities, two hours.

Junior-Senior years: English, 18 hours of advanced work, including English 117 and 145 and six hours selected from each of the following groups: (1) 123, 129, 143, 149, 241, and (2) 127, 133, 147, 157, 163, 216, 233, 238; Education, 18 hours of advanced work in the secondary field, including 157, 163, 291, 292, 229; Journalism 127; Library Science 123 or 127; other subjects, sufficient to make the total of 128 hours of work required for graduation, including Foreign Language (if needed to absolve the language requirement), Government 61, 62 and History 71, 72, unless these courses have been previously absolved, and courses needed (a) to meet the requirement of a teaching minor and (b) the requirement in General Education.

Students must offer 14 hours in one Foreign Language; provided that this requirement may be met by courses 13 (or two entrance units in the language and 15 and 71, 72.

Students planning to graduate with the degree of Bachelor of Arts with a major in English will, in addition to meeting the foregoing requirements for graduation, be expected to absolve also the second science required for that degree, provided that if they are not applicants for a certificate to teach, they may omit the courses in education otherwise required.

A minor in English under the curriculum for high school teachers will consist of English 11, 12, 61, 62, 117, 145, and at least one advanced course

in literature; under the curriculum for elementary teachers, English 11, 12, 63, 64, 117, 136, and at least one advanced course in literature.

11. Reading and Writing. (3-0). Credit, 3 hours.
12. Writing. (3-0). Credit, 3 hours.
61. Survey of English Literature from Beowulf to the Eighteenth Century. (3-0). Credit, 3 hours.
62. Survey of English Literature from the Eighteenth Century to the Present. (3-0). Credit, 3 hours.
63. World Literature. (3-0). Credit, 3 hours.
64. World Literature. (3-0). Credit, 3 hours.
67. Masterpieces in English Literature. (3-0). Credit, 3 hours.
68. Masterpieces in American Literature. (3-0). Credit, 3 hours.
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.
113. Advanced Composition. (3-0). Credit, 3 hours.
117. English Grammar. (3-0). Credit, 3 hours.
119. Elementary Semantics. (3-0). Credit, 3 hours.
123. British and American Poetry Since 1900. (3-0). Credit, 3 hours.
125. A Laboratory in Writing. (3-0). Credit, 3 hours. Also Journalism 125.
127. Early American Literature. (3-0). Credit, 3 hours.
129. Later American Literature. (3-0). Credit, 3 hours.
133. Shakespeare. (3-0). Credit, 3 hours.
135. Reading Materials in the Elementary Grades. (3-0). Credit, 3 hours.
137. The Romantic Poets. (3-0). Credit, 3 hours.
143. Types of World Drama in English (Modern). (3-0). Credit, 3 hours. Also Speech 143.
145. Reading Materials in the Junior and Senior High School, (3-0). Credit, 3 hours.
147. The English Novel. (3-0). Credit, 3 hours.
149. The American Novel. (3-0). Credit, 3 hours.
157. Significant Victorian Literature. (3-0). Credit, 3 hours.
163. English Literature of the Eighteenth Century. (3-0). Credit, 3 hours.
216. Chaucer and His Time. (3-0). Credit, 3 hours.
233. Shakespeare and His Age. (3-0). Credit, 3 hours.
238. Milton. (3-0). Credit, 3 hours.
241. Modern Biography and the Essay. (3-0). Credit, 3 hours.
310. Whitman. (3-0). Credit, 3 hours.
313. Mark Twain. (3-0). Credit, 3 hours.
314. Contemporary Novel. (3-0). Credit, 3 hours.
317. Studies in Elizabethan Drama. (3-0). Credit, 3 hours.
318. Byron. (3-0). Credit, 3 hours.
319. Victorian Novel. (3-0). Credit, 3 hours.
321. Tennyson. (3-0). Credit, 3 hours.
322. Browning. (3-0). Credit, 3 hours.
399. Thesis. Credit, 6 hours.

JOURNALISM
Assistant Professors Vogel*, Rucker
Instructor Shields

To graduate with a major 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 or the general curriculum leading to the degree of Bachelor of Arts with inclusion in the respective curriculum of the following courses in Journalism and certain of the other subjects specifically required distributed as indicated:

Freshman year: Journalism 13.
Sophomore year: Journalism 74, 83, 85.
Junior year: Journalism, 6 hours advanced; Economics 67; Sociology 67; English 117.
Senior year: Journalism, 6 hours advanced, including 217.

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

1, 2. Introduction to Journalism. (Credit awarded for outstanding volunteer work on student publications). Credit, 1 hour each.

13. Reporting I. (3-2). Credit, 3 hours.

74. Reporting II. (3-2). Credit, 3 hours.

83. News Editing I. (3-2). Credit, 3 hours.

85. News Editing II. (3-2). Credit, 3 hours.

117. History of Journalism. (3-0). Credit, 3 hours.

123. Feature and Magazine Article Writing. (3-0). Credit, 3 hours.

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

127. The Supervision of Public School Publications. (3-0). Credit, 3 hours.

133. The Press and Contemporary Affairs. (3-0). Credit, 3 hours.

157. Advertising. (3-2). Credit, 3 hours. The fundamentals of advertising will be considered and special attention will be 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.

217. The Practicing Journalist. (3-0). Credit, 3 hours.

221. Workshop in Practical Public Relations. (3-0). Credit, 3 hours.

SPEECH

Professor Abernathy
Associate Professors Barton, Zedler
Instructor James

A student electing to major in the Department of Speech must complete a minimum of 24 semester hours of work in the subject including a minimum of 12 hours of advanced work. Specific courses to be taken will be determined in conference with the Chairman of the Department.

Those who desire to qualify for the basic certification in the American Speech and Hearing Association and for Texas State Approval in Speech Therapy may submit Speech 57, 119, 125, 201, 289, 243, 245, all taught by a faculty member holding Advanced Certification in the American Speech and Hearing Association. They should consider related courses in science, child development, or special education.

13. Fundamentals of Speech. (3-0). Credit, 3 hours.

15. Speaking and Reading. (3-2). Credit, 3 hours.
18. Introduction to Theatre Practice. (3-2). Credit, 3 hours.

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. Public Discussion and Debate. (3-2). Credit, 3 hours.

75. Acting. (3-4). Credit, 3 hours.

110. Stagecraft. (3-2). Credit, 3 hours.

116. Advanced Debate and Fundamentals of Logic. (3-0). Credit, 3 hours.

119. Speech Correction. (3-0). Credit, 3 hours.

121. Advanced Phonetics. (3-0). Credit, 3 hours. This course will emphasize transcription of speech into the alphabet adopted by the International Phonetic Association. It will include detailed study of the phonemes which comprise American English speech.

125. Vocal Anatomy. (3-0). Credit, 3 hours.

137. Play Production. (3-3). Credit, 3 hours.

141. (Formerly Speech 243) Speech Clinic I. (3-4). Credit, 3 hours.

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

149. Interpretative Reading. (3-2). Credit, 3 hours.

157. Creative Dramatics for Children. (3-2). Credit, 3 hours.

201. Speech Pathology. (3-0). Credit, 3 hours.

213. Teaching of Speech. (3-0). Credit, 3 hours.

223. American Oratory. (3-0). Credit, 3 hours.

233. The Development of the Theatre. (3-0). Credit, 3 hours.

245. Speech Clinic II. (3-4). Credit, 3 hours.

265. Problems in Forensics. (3-0). Credit, 3 hours.

275. Problems in Dramatics. (3-0). Credit, 3 hours.

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 coach debate, direct plays, declamation, and other activities.

287. Speech Correction for the Classroom Teacher. (3-0). Credit, 3 hours.

289. Problems and Methods in Auditory Testing and Aural Rehabilitation. (3-0). Credit, 3 hours.

343. Advanced Clinical Practice in Speech and Hearing Therapy I. (3-4). Credit, 3 hours. This course is for students who have completed enough semester hours in speech therapy to qualify them at least for temporary certification by the State, and who wish to attain additional clock hours for higher certification. Advanced problems in speech and hearing therapy will be dealt with in conferences with the supervisor. Thorough case histories will be compiled on each of the clients assigned a student. Prerequisite: 245.

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.
To graduate with a major in Art Education a student will be expected to enroll under the Curriculum for High School Teachers leading to the degree of Bachelor of Science in Education or under the general curriculum leading to the degree of Bachelor of Arts with inclusion in the respective curriculum of the following courses of art, provided that candidates for the degree of Bachelor of Arts who are not candidates for a certificate to teach will substitute another course in art for Art 223 and may with special permission make other substitutions designed to give greater emphasis to either painting or crafts.

Freshman year: Art 13, 15, and 17.

Sophomore year: Art 53, 57, 63, and 73, provided that Government 61 and 62 may be postponed until the junior year.

Junior year: Art 127, 137 (or 129, 139), and 173 or 183.

Senior year: Art 117 and 223.

Students majoring in Art Education are encouraged to elect six hours from the following courses: Art 115, 123, 163, 170, 173 or 183. They may with special permission, enroll in Education 281 as the elective in education open to them under the curriculum for high school teachers, provided they have previously absolved Art 123 and Education 291, 292.

In addition to meeting the course requirements art education majors are expected to participate in department exhibits and other departmental activities.

There is a fee of $2.50 for all art courses. Students furnish own supplies and pay field trip expenses.

13. Basic Course in Drawing and Design. (1-5). Credit, 3 hours.
15. Drawing and Painting. (1-5). Credit, 3 hours.
17. Survey of Arts. (3-0). Credit, 3 hours.
27. Ceramics I. (0-4). Credit, 2 hours.
37. Weaving I. (0-4). Credit, 2 hours.
53. Design I. (0-6). Credit, 3 hours.
57. Design II. (0-6). Credit, 3 hours.
63. Creative Crafts. (0-6). Credit, 3 hours.
73. History of Art I. (3-0). Credit, 3 hours.
115. Design and Color Related to the Home. (3-0). Credit, 3 hours.
117. Oil Painting. (0-6). Credit, 3 hours.

123. Methods and Materials in Art for the Elementary Classrooms. (3-3). Credit, 3 hours.

127. Ceramics II. (0-6). Credit, 3 hours.

129. Ceramics III. (0-6). Credit, 3 hours.

137. Weaving II. (0-6). Credit, 3 hours.

139. Weaving III. (0-6). Credit, 3 hours.

163. An Honor Course in Special Problems in Art or Crafts. (0-6). Credit, 3 hours.

170. Watercolor Painting. (0-6). Credit, 3 hours.

173. History of Art II. (3-0). Credit, 3 hours. Field Trips. Offered in alternate even years.

183. History of Art III. (3-0). Credit, 3 hours. Field Trips. Offered in alternate odd years.

217. Painting. (3-3). Credit, 3 hours.

223. Methods and Materials in Art in Junior and Senior High Schools. (3-0). Credit, 3 hours.

MUSIC

Professor Tampke

Associate Professors Buchanan, Bek, Bowles,

Instructor Guerry

Students wishing to major in Music Education may do so under one of the curricula leading to the degree of Bachelor of Science in Education or the degree of Bachelor of Music Education.

Those wishing to graduate with a major in Piano, Voice, Violin, or other orchestral instrument with no intention of teaching music in the public schools may do so by enrolling under the general curriculum leading to the degree of Bachelor of Arts with inclusion therein of the following courses in music:

Music 1, 2; 11, 12; 61, 62; Voice or major instrument, e.g., Piano, 11, 12; 61, 62; and 12 hours of advanced work additional.

COURSES IN MUSIC (THEORY)

1, 2. Survey of Music Literature. (2-0). Credit, 1 hour each.

11, 12. Fundamentals of Music. (3-0). Credit, 3 hours each.

61, 62. Fundamentals of Music (continued). (3-0). Credit, 3 hours each.
63, 64. Advanced Sight Singing, Ear Training and Dictation. (2-0). Credit, 2 hours each.

67. Music History and Appreciation. (3-0). Credit, 3 hours.

131, 132. Form Analysis. (2-0). Credit, 2 hours each.

133. Counterpoint. (3-0). Credit, 3 hours.

137, 139. The History of Music. (2-0). Credit, 2 hours each.

157. Instrumentation and Orchestration. (3-0). Credit, 3 hours.

235. Composition. (3-0). Credit, 3 hours.

249. Introduction to Musicology. (3-0). Credit, 3 hours.

COURSES IN MUSIC EDUCATION

57. Methods and Materials for the Elementary Grades. (3-0). Credit, 3 hours.

107. Fundamentals of Conducting. (2-0). Credit, 2 hours.

117. Instrumental Conducting. (2-0). Credit, 2 hours.

127. Choral Conducting. (2-0). Credit, 2 hours.

143. Music Methods and Materials in the Elementary Grades. (3-0). Credit, 3 hours.


163. Music Methods and Materials in the Junior and Senior High Schools. (3-0). Credit, 3 hours.

224. Band or Instrumental Conducting Technique and Practice. Offered as a clinic in the summer session only. Credit, 1 semester hour.

225. Choral Conducting Technique and Practice. Offered as a clinic in the summer session only. Credit, 1 semester hour.

247. Advanced Conducting. (3-0). Credit, 3 hours.

271. The Teaching of Voice. (2-0). Credit, 2 hours.

273. Vocal Methods. (3-0). Credit, 3 hours.

275. The Teaching of Piano. (2-0). Credit, 2 hours.

277. The Teaching of Orchestral and Band Instruments. (2-0). Credit, 2 hours.

279. The Marching Band. (1-0). Credit, 1 hour.

*289. Supervision of the Public School Music Program. (3-0). Credit, 3 hours.

313, 317. Problems in Music Education. Credit, 2 or 3 hours each.

323. Tests and Measurements in Music Education. (3-0). Credit, 3 hours.

399. Thesis. Credit, 6 hours.
IV. DIVISION OF FOREIGN LANGUAGE

The first half of each of these courses, i.e., French 13, German 13, and Spanish 13, is planned for students who have had 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 15 also.

FRENCH

Professor Read
Associate Professor Buckner

13, 15. Beginners' Course in French. (3-2). Credit, 4 hours each.
71, 72. Readings in Modern French Literature. (3-0). Credit, 3 hours each.
171, 172. French Literature in English Translation. (3-0). Credit, 3 hours each.

GERMAN

Professor Nolle
Associate Professor Lueders

13, 15. Beginners' Course in German. (3-2). Credit, 4 hours each.
71, 72. Masterpieces in Modern German Literature. (3-0). Credit, 3 hours each.
113. Outline Course in German Literature. (3-0). Credit, 3 hours.
117. Lessing, Goethe, Schiller. (3-0). Credit, 3 hours.
123. Modern German Lyric and Drama. (3-0). Credit, 3 hours.
127. Modern German Novel and Short Story. (3-0). Credit, 3 hours.
171, 172. German Literature in English Translation. (3-0). Credit, 3 hours each.

SPANISH

Professor Read
Associate Professors Buckner, Lueders

13, 15. Beginners' Course in Spanish. (3-2). Credit, 4 hours each.
71, 72. Conversational Spanish. (3-0). Credit, 3 hours each.
131, 132. Modern Spanish Novel. (3-0). Credit, 3 hours each.
141. Advanced Grammar and Composition. (3-0). Credit, 3 hours.

171, 172 Spanish Literature in English Translation. (3-0). Credit, 3 hours each.

213. Survey of Spanish Literature from its Beginning through the Eighteenth Century. (3-0). Credit, 3 hours.

*217. Modern Spanish Poetry and the Modernista Poets of Spanish America. (3-0). Credit, 3 hours.

223. Modern Drama of Spain. (3-0). Credit, 3 hours.

*227. The Spanish American Novel. (3-0). Credit, 3 hours.

251. Modern Spanish and Spanish American Essays. (3-0). Credit, 3 hours.

313. Studies and Problems in Spanish and Spanish-American Literature of the Nineteenth and Twentieth Centuries. (3-0). Credit, 3 hours.
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 23 years of age or over at the time of their initial matriculation in the College, (b) married women with children, and (c) veterans. These exemptions do not, however, apply to students who are making a major or minor in health and physical education, who will be expected to meet in full the requirements in physical education activities called for under the respective curriculum under which they are enrolled. Sophomore students may defer activities for the Summer Terms, provided all work is completed to date.

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 permanent high school certificate, with inclusion under the respective curriculum of a teaching minor and the following courses in Physical Education and related fields and the other subjects required for graduation, distributed as follows:

Freshman year: English 11, 12; Speech 13; History 11, 12; Mathematics 11; Chemistry 43, 47; Physical Education 1, 2, 18, 19, 45; an elective to make a total of 16 semester hours per semester.

Sophomore year: Education 53, 67; English 61, 62 or 63, 64 or 67, 68; Government 61, 62; Biology 51, 52; Physical Education 57, 98, 99; an elective to make a total of 16 semester hours per semester.

Junior year: Education 157, 163; Physical Education 8, 10, 109, 110, 115, 124, 137, 149; other subjects, including a teaching minor, to make a total of 16 semester hours per semester.

Senior year: Education, twelve semester hours of advanced work dealing with the secondary field, including Education 291, 292, 229; Physical Education 112, 117, 214; other subjects, including a teaching minor, to make the total of 128 semester hours required for graduation.

Women enrolled under the curriculum for high school teachers wishing to offer toward graduation a minor in physical education will be expected to absolve the following courses, preferably in the sequence indicated:

Physical Education 1, 2, 18, 19 (in the freshman year); 8, 10, 98, 99 (in the sophomore year); 109, 110, 124 (in the junior year); 57, 149, 214 (in the senior year).
Women making a major of speech or special education and wishing to make a minor in physical education will be expected to absolve the following courses, preferably in the sequence indicated:

Physical Education 1, 2, 18, 19 (in the freshman year); 8, 10, 98, 99 (in the sophomore year); 137, 147, and 115 or 124 (in the junior year); 57, 214, and 112 or 175 (in the senior year).

Women enrolled under the curriculum for elementary teachers and wishing to make a concentration, or minor, in physical education will be expected to absolve the following courses, preferably in the sequence indicated:

Physical Education 1, 2, 18, 19 (in the freshman year); 8, 10, 98, 99 (in the sophomore year); 45, 115, 175 (in the junior year); 57, 149, 214 (in the senior year).

Curriculum for Men. Men wishing to major in health and physical education and recreation may do so by enrolling under either the curriculum leading to the degree of Bachelor of Arts with inclusion of the courses required to qualify for a permanent high school certificate or under the curriculum for high school teachers leading to the degree of Bachelor of Science in Education with inclusion of the following courses in Physical Education and related fields and certain other required subjects distributed as indicated:

Freshman year: Chemistry 43, 47; Physical Education 41 and 42; Physical Education Activities 21, 22.

Sophomore year: Biology 51, 52; Physical Education 57 and 51; Physical Education Activities 21, 22, provided that Government 61, 62 may be postponed until the junior year.

Junior year: Physical Education 111, 113; Physical Education Activities (electives), two semester hours.

Senior year: Physical Education 117, 251 and (a) 101 (or 192 if eligible) and 102 or (b) 191 and 192; Physical Education Activities, two semester hours.

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, 57, 101 or 191 or 192, 111, 113, 117, 251; Physical Education Activities, six semester hours.

Men enrolled under the curriculum for elementary teachers wishing to offer toward graduation a minor in physical education will be expected to absolve the following courses:

Physical Education 41, 42, 57, 113, 115, 215; Physical Education Activities, six semester hours.

Activity courses carry one semester hour of credit each; all other courses carry credit of three semester hours each unless otherwise indicated under the respective course descriptions.
1, 2. Freshman Course in Physical Education for Women. (0-3). Credit, 1 hour each.
3. Dual and Individual Sports for Women. (0-3). Credit, 1 hour.
4. Team Sports for Women. (0-3). Credit, 1 hour.
5. Special Activities for Secondary Physical Education. (0-3). Credit, 1 hour.
7. Folk and National Dancing. (0-3). Credit, 1 hour.
8. Modern Dance I. (0-3). Credit, 1 hour.
10. Modern Dance II. (0-3). Credit, 1 hour.
11. Recreational Games for Women. (0-3). Credit, 1 hour.
12. Golf. (0-3). Credit, 1 hour.
13. Life Saving. (0-3). Credit, 1 hour.
16. Water Safety Instructor's Course. (0-3). Credit, 1 hour.
18. Introduction to Rhythm and Dance Theory I. (0-3). Credit, 1 hour.
19. Introduction to Rhythm and Dance Theory II. (0-3). Credit, 1 hour.
21. Required Activities for Men. (0-3). Credit, 1 hour.
22. Elective Activities for Men. (0-3). Credit, 1 hour.
41, 42. Teaching Physical Education Activities. (3-3). Credit, 3 hours.
45. Camp Leadership. (1-4). Credit, 2 hours.
51. Sports Officiating for Men. (2-2). Credit, 2 hours.
57. Accident Prevention and First Aid. (2-1). Credit, 2 hours.
98. Individual and Dual Sports. (1-3). Credit, 2 hours.
99. Team Sports. (1-3). Credit, 2 hours.
101. Athletic Coaching. (3-3). Credit, 3 hours.
102. Instructor's Course in Physical Education. (3-0). Credit, 3 hours.
109, 110. Theory and Technique of Teaching and Coaching Sport Activities. (3-3). Credit, 3 hours each.
111. Administration of Health Education. (3-0). Credit, 3 hours.
112. Personal and Community Health. (3-0). Credit, 3 hours.
113. Organization and Administration of Physical Education. (3-0). Credit, 3 hours.
115. Content and Methods in Physical Education for Elementary Teachers. (3-3). Credit, 3 hours.
117. The Physiology of Exercise. (3-0). Credit, 3 hours.
137. Kinesiology. (3-0). Credit, 3 hours.
147. Programs for the Handicapped. (3-0). Credit, 3 hours.
149. Principles of Physical Education. (3-0). Credit, 3 hours.
157. Prevention and Care of Athletic Injuries. (3-3). Credit, 3 hours.
175. Health Education for the Elementary Teacher. (3-0). Credit, 3 hours.
183. Recreational Leadership. (3-2). Credit, 3 hours.
185. Workshop in Health Education for School Nurses. (3-0). Credit, 3 hours.
191. Football Coaching. (3-3). Credit, 3 hours.
192. Basketball and Track Coaching. (3-3). Credit, 3 hours.
201. Psychology for Motor Learning. (3-0). Credit, 3 hours.
203. The Administration of Athletics. (3-0). Credit, 3 hours.
214. The Organization and Administration of the Physical Education Program for Girls. (3-0). Credit, 3 hours.
251. Tests and Measurements in Health and Physical Education. (3-0). Credit, 3 hours.
254. Practices in Health Education Applied to Physical Education. (3-0). Credit, 3 hours.
311. Organization and Administration of a School Health Program. (3-0). Credit, 3 hours.
345. Supervision of Health and Physical Education. (3-0). Credit, 3 hours.
346. Literature and Research in Health and Physical Education. (3-0). Credit, 3 hours.
347. Problems in Health and Physical Education. (Hours and credit are arranged).
348. Organization of the Physical Education Program for the Elementary School. (3-0). Credit, 3 hours.
353. Curriculum Development in Health and Physical Education. (3-0). Credit, 3 hours.
390. Seminar in Athletic Coaching. (3-0). Credit, 3 hours.
VI. DIVISION OF PRACTICAL ARTS

BUSINESS ADMINISTRATION

Professor Musgrave
Associate Professors Nichols, Cates, Erickson
Assistant Professor Parr
Instructor Howard

Students wishing to graduate with a major in Business Administration under the curriculum for high school teachers will be expected to absolve a total of at least 30 semester hours of work in the subject including the following courses in the order indicated:

Freshman year: Business Administration 23 or 25 (not both); and two courses selected from 21, 27, 31, 32, 43, 57; and Mathematics 11 or 18, 19.

Sophomore year: Business Administration 61, 62 and unless previously absolved, 27 or 57.

Junior year: Business Administration 161, 162.

Senior year: Business Administration: six semester hours of advanced work elected with the advice and approval of the Head of the Department of Business Administration, and any additional courses needed to make a total of at least 30 hours of work in the subject.

Students wishing to specialize in Business Administration without preparation for teaching the subject should enroll under the curriculum leading to the degree of Bachelor of Business Administration.

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. (3-3). Credit, 2 hours.

25. Advanced Typewriting Problems. (3-3). Credit, 3 hours.

27. Office Practice. (3-0). Credit, 3 hours. Function of the office; office routines and systems; clerical procedures; filing; office machines; practical office problems.

31, 32. Shorthand. (3-2). Credit, 3 hours each.

43. Dictation. (3-2). Credit, 3 hours.

57. Secretarial Training. (3-2). Credit, 3 hours.

61, 62. Elementary Accounting. (3-2). Credit, 4 hours each.
111, 112. **Advanced Accounting.** (3-0). Credit, 3 hours each.
133. **Business Statistics.** (3-0). Credit, 3 hours. Also Economics 133.
143. **Marketing.** (3-0). Credit, 3 hours. Also Economics 143.
153. **Business Communication.** (3-0). Credit, 3 hours.
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.
215. **Insurance.** (3-0). Credit, 3 hours.
*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.
249. **Management of a Small Business Enterprise.** (3-0). Credit, 3 hours.
265. **Cost Accounting.** (3-0). Credit, 3 hours.
*267. **Materials and Procedures in Commercial Subjects.** (3-0). Credit, 3 hours.
273. **Personnel Relations.** (3-0). Credit, 3 hours.
*287. **Workshop in Business Education.** (Hours and credit to be arranged.)
333. **Problems in Business Administration.** (Hours and credit to be arranged.)

**HOME ECONOMICS**

Professor Jacks
Associate Professor Coleman
Assistant Professors Barnes, Little
Instructor Stephens

11. **Clothing for Personal and Family Needs.** (3-2). Credit, 3 hours.
12. **Buying and Management for Personal and Family Needs.** (3-2). Credit, 3 hours.
21. **Foods for Personal and Family Needs.** (3-2). Credit, 3 hours.
22. **Relationships and Development for Personal and Family Needs.** (3-2). Credit, 3 hours.
63. Special Meal Planning and Food Preparation. (3-3). Credit, 3 hours.

67. Pattern Study and Garment Construction. (3-3). Credit, 3 hours.

100. Consumer Buying. (3-3). Credit, 3 hours. Offered in alternate even years.

103. Preparation for Home and Family Life. (3-0). Credit, 3 hours.

113. Applied Dress Design and Advanced Construction. (3-3). Credit, 3 hours.

120. School Lunch Problems. Credit, 2 or 3 hours. Offered in the summer only.

123. Nutrition. (3-3). Credit, 3 hours.

132. Home Management. (3-3). Credit, 3 hours.

133. Home Management Residence. (3-3). Credit, 3 hours.

137. Child Development. (3-3). Credit, 3 hours.

175. Nutrition and Health. Credit, 3 hours. Offered in the summer only.

215. Clothing for the Family. (3-3). Credit, 3 hours.


265. New Trends in Textiles. Credit, 3 hours. Offered in the summer only.

320. School Lunch Problems. Credit, 2 or 3 hours. Offered in summer only.

360. Home Improvement. (3-2). Credit, 3 hours.

375. Nutrition in Health. Credit, 3 hours. Offered in the summer only.

HOME ECONOMICS EDUCATION

143. Observation and Methods in Vocational Home Economics. (3-3). Credit, 3 hours.

193. Methods and Problems in Teaching Homemaking. (3-0). Credit, 3 hours.

291, 292. Student Teaching in Homemaking Education. Credit, 6 hours.

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


381. Research Methods in Home Economics Education. (3-0). Credit, 3 hours.
383. Homemaking for Out-of-School Youth and Adults. (3-0). Credit, 3 hours.

393. Curriculum Development. (3-0). Credit, 3 hours. Offered in alternate even years.

399. Thesis. Credit, 6 hours.

INDUSTRIAL ARTS

Professor Bowers
Associate Professor Deck
Assistant Professor Harris*
Instructors Branom, Yarchuska

13. Drawing I. (3-3). Credit, 3 hours.
15. Drawing II. (3-3). Credit, 3 hours.
17. Woods I. (3-3). Credit, 3 hours.
19. Descriptive Geometry. (3-6). Credit, 3 hours.
33. Photography I. (2-2). Credit, 2 hours.
53. Photography II. (2-2). Credit, 2 hours.
57. Aviation Education. (3-0). Credit, 3 hours.
65. Printing I. (3-3). Credit, 3 hours.
75. Woods II. (3-3). Credit, 3 hours.
79. Metals II. (4-4). Credit, 4 hours.
87. Electricity and Radio. (3-3). Credit, 3 hours.
90. Shop Practice for Engineering Students. (3-6). Credit, 3 hours.
113. Laboratory of Industries. (3-3). Credit, 3 hours.
115. Maintaining the Modern Home. (3-3). Credit, 3 hours.
117. Principles and Practices in Industrial Arts Teaching. (3-0). Credit, 3 hours.
119. Electricity II. (3-3). Credit, 3 hours.
121. Metals III. (3-3). Credit, 3 hours.
125. Metals IV. (3-3). Credit, 3 hours.
127. Laboratory Planning and Equipment Selection. (3-0). Credit, 3 hours.

133. Woods III. (3-3). Credit, 3 hours.

135. Drawing III. (3-3). Credit, 3 hours.

159. Industrial Arts for Teachers of Elementary Grades. (3-3). Credit, 3 hours.

165. Printing II. (3-3). Credit, 3 hours.

175. Problems in the Graphic Arts. (3-3). Credit, 3 hours.

223. Problems in Industrial Arts. (3-0). Credit, 3 hours.

233. Modern Industries. (3-0). Credit, 3 hours.

321. Industrial Methods and Production Technique. (3-0). Credit, 3 hours. This course will furnish industrial arts teachers with some selected information regarding the complicated structure of modern manufacturing methods and techniques. Students will gain some insight into enlightened industrial practices. Selected examples will be studied by individuals 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. Utilization of community resources. Socio-economic considerations.

330. Evolution of the Industrial Arts Concept. (3-0). Credit, 3 hours.

333. Technical Problems in Industrial Arts. (3-3). Credit, 3 hours.

340. Workshop in Industrial Arts. (3-0). Credit, 3 hours.

LIBRARY SCIENCE

Professor Jackson

113. Administration of School Libraries. (3-3). Credit, 3 hours.

117. Cataloging and Classification. (3-3). Credit, 3 hours.

123. Reference and Bibliography. (3-0). Credit, 3 hours.

127. Book Selection. (3-0). Credit, 3 hours.

135. Reading Materials in the Elementary Grades. (3-0). Credit, 3 hours. Also English 135.
VII. DIVISION OF SCIENCES

BIOLOGY

Professor Norris
Associate Professor Gary
Assistant Professors Davis, Smith

A major in Biology consists of 26 semester hours of work represented normally by Biology 11, 12; 61, 62; and any of the following courses: 111, 112; 113, 114; 115, 119; 221, 222; 231, 232. A student preparing to graduate with a teaching major in Biology will be expected to include in his course of study also Chemistry 11, 12; 111, 112; Physics 11, 12; and General Science 200.

11, 12. General Biology. (3-3). Credit, 3 hours each.

13. Elementary Physiology. (3-3). Credit, 3 hours.

51, 52. Physiology and Anatomy. (2-3). Credit, 3 hours each.

57. Introduction to Human Biology and Development. (3-3). Credit, 3 hours.

61, 62. Physiology and Hygiene. (3-3). Credit, 3 hours each.

63. Physiology and Hygiene. (3-4). Credit, 4 hours.

101. The History and Philosophy of Science. (3-0). Credit, 3 hours.

111, 112. Histology and Embryology. (3-6). Credit, 4 hours each. Either half may be elected for independent credit.

113. Bacteriology I. (2-6). Credit, 3 hours.

114. Bacteriology II. (2-6). Credit, 3 hours.

115. Genetics. (3-3). Credit, 3 hours.

119. Comparative Vertebrate Anatomy. (3-6). Credit, 4 hours.

163. Advanced Human Physiology. (3-3). Credit, 3 hours.

*221, *222. Ecology. (3-3). Credit, 3 hours each.

*231, *232. General Physiology. (3-3). Credit, 3 hours each.

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.
CHEMISTRY

Professor Key
Associate Professor Harding
Assistant Professor Parks*

A teaching major in Chemistry consists of Chemistry 11, 12, 61, 62, 111, 112, and six semester hours of advanced work additional elected with the advice and approval of the head of the Department of Chemistry, and, in addition thereto, Biology 11, 12 or 61, 62; Physics 11, 12; six semester hours of Mathematics, and General Science 200.

A non-teaching major in Chemistry consists of Chemistry 11, 12, 61, 62, 111, 112, 211, 212. A student majoring in the subject will be expected also to absolve courses in Mathematics extending through the Calculus. Minors in the other sciences should be absolved.

11, 12. General Chemistry. (3-4). Credit, 4 hours each.

13. Chemistry for Students of Home Economics. (3-3). Credit, 4 hours.

43, 47. Chemistry for Students of Physical Education. (3-2). Credit, 3 hours each.

61, 62. Quantitative Analysis. (3-8). Credit, 4 hours.

77. Physiological and Food Chemistry. (3-3). Credit, 4 hours.

111, 112. Organic Chemistry. (3-4). Credit, 4 hours each.

211, 212. Physical Chemistry. (3-3). Credit, 3 hours each.

223. Qualitative Analysis. (3-4). Credit, 3 hours.

227. Organic Preparations. (3-3). Credit, 3 hours.

231, 232. Biochemistry. (3-2). Credit, 3 hours each.

313. Problems in Chemistry. Credit, 6 hours.

327. Qualitative Organic Analysis. Credit, 3 hours.

399. Thesis. Credit, 6 hours.

GENERAL SCIENCE

Professor Key
Associate Professor Gary

111, 112. Methods and Materials in Science for Teachers of the Elementary School. (3-2). Credit, 3 hours.

200. Teaching the Sciences. (3-0). Credit, 3 hours.

Mathematics

Professor Speck
Associate Professors Cude, Tulloch
Assistant Professors Porter, Walker
Instructor Wahler

A major in Mathematics consists of 30 semester hours of work represented by Mathematics 11, 13, 17, 63, 111, 112, 115, plus nine semester hours of advanced work which, if Mathematics is to be a teaching major, must include Mathematics 203, taken before or parallel with the course in Directed Teaching. A teaching minor in Mathematics consists of 21 semester hours of work represented by Mathematics 11, 13, 17, 63, 111, 112, 203; a non-teaching minor, of 18 semester hours of work represented by the foregoing courses with omission of Mathematics 203.

Note: Plane Geometry and Solid Geometry, unless offered for entrance credit, are required of all pre-engineers, majors, and minors. If thus required, such students must enroll for Mathematics 11P instead of Mathematics 11 and for Mathematics 15, provided that the course in Solid Geometry must be in addition to those otherwise specified for a major or a minor, respectively.

A student may not use toward graduation credit earned in both 11 and 18. Moreover, he 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.

11. Algebra I. (3-1). Credit, 3 hours.

Note: In the first semester of each year a variant of Mathematics 11 to be identified as Mathematics 11P to meet five times per week for three hours credit will be offered with inclusion of the elements of Plane Geometry for those students who have not earned entrance credit in the subject in high school.

13. Algebra II. (3-0). Credit, 3 hours. The content of this course consists in 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.

15. Solid Geometry. (3-0). Credit, 3 hours.

Prerequisite or parallel: 11 (preceded by high school credit in plane geometry) or 11P.

17. Plane Trigonometry. (3-0). Credit, 3 hours.
18, 19. **Business Arithmetic.** (3-0). Credit, 3 hours each.

63. **Analytic Geometry.** (3-0). Credit, 3 hours.

65. **Mathematics of Finance.** (3-0). Credit, 3 hours.

111, 112. **Differential and Integral Calculus.** (3-0). Credit, 3 hours each.

115. **Modern Geometry.** (3-0). Credit, 3 hours.

119. **The Theory of Equations.** (3-0). Credit, 3 hours.

123. **Differential Equations.** (3-0). Credit, 3 hours.

127. **Elementary Mathematics from an Advanced Standpoint.** (3-0). Credit, 3 hours.

133. **Analytical Mechanics.** (3-0). Credit, 3 hours. Also Physics 133.

200. **Materials and Methods in Arithmetic for Elementary Teachers.** (3-0). Credit, 3 hours.

203. **Materials and Methods of Secondary Mathematics.** (3-0). Credit, 3 hours.

209. **The Theory of Determinants.** (3-0). Credit, 3 hours.

213. **Advanced Calculus I.** (3-0). Credit, 3 hours.

215. **Advanced Calculus II.** (3-0). Credit, 3 hours.

216. **Projective Geometry.** (3-0). Credit, 3 hours.

217. **Foundation of Geometry.** (3-0). Credit, 3 hours.

225. **Vector Analysis.** (3-0). Credit, 3 hours.

273. **Theory of Functions of Real Variables.** (3-0). Credit, 3 hours.

**PHYSICS**

Professor Rush

11. 12. **General Physics.** (3-3). Credit, 4 hours each.

63. **Light and Sound.** (3-3). Credit, 4 hours.

67. **Magnetism and Electricity.** (3-3). Credit, 4 hours.

113. **Heat and Mechanics.** (3-2). Credit, 3 hours.

117. **Modern Physics.** (3-0). Credit, 3 hours.

133. **Analytical Mechanics.** (3-0). Credit, 3 hours. Also Mathematics 133.

149. **Electric Waves.** (3-0). Credit, 3 hours.
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 Vocational Agriculture.

COURSES IN AGRICULTURE

13. Field Crops. (2-2). Credit, 3 hours.
33. Farm Poultry. (2-2). Credit, 3 hours.
45. Animal Husbandry. (2-2). Credit, 3 hours.
61. Agrostology. (2-2). Credit, 3 hours.
67. Dairying. (2-2). Credit, 3 hours.
73. Farm Shop. (3-3). Credit, 4 hours.
75. Forage and Pasture Crops. (2-2). Credit, 3 hours.
77. Vegetable Gardening and Small Fruits. (2-2). Credit, 3 hours.
79. General Horticulture. (2-2). Credit, 3 hours.
83. Introduction to Agricultural Economics. (3-0). Credit, 3 hours.
111. Farm Power and Machinery. (1-4). Credit, 3 hours.
115. Advanced Dairy Management. (2-2). Credit, 3 hours.
117. Farm Management. (3-0). Credit, 3 hours.
121. Range Management. (2-2). Credit, 3 hours.
123. Advanced Poultry Husbandry. (2-2). Credit, 3 hours.
125. Feeds and Feeding. (3-2). Credit, 4 hours.
126. Soil Science. (2-2). Credit, 3 hours.
127. Soil Fertility and Fertilizers... (2-2). Credit, 3 hours.
129. Economic Entomolgy... (2-2). Credit, 3 hours.
131. Diseases of Livestock. (2-2). Credit, 3 hours.
145. Advanced Animal Husbandry. (2-2). Credit, 3 hours.
151. Marketing. (3-0). Credit, 3 hours.

154. Soil and Water Conservation. (2-4). Credit, 4 hours.

213. Crop Improvement and Seed Production. (2-2). Credit, 3 hours.

261. Rural Electrification. (1-2). Credit, 2 hours.

313. Advanced Problems in Farm Crop Production. (3-0). Credit, 3 hours.

333. Advanced Problems in Poultry. (3-0). Credit, 3 hours.

345. Advancements in Animal Husbandry. (3-0). Credit, 3 hours.

367. Current Developments in Dairying. (3-0). Credit, 3 hours.

COURSES IN AGRICULTURAL EDUCATION

105. Introduction to Agricultural Education. (2-0). Credit, 2 hours.

202. Supervised Farming Program. (2-0). Credit, 2 hours.

211. Special Teaching Aids and Resources. (3-0). Credit, 3 hours.

212. Program Planning. (2-0). Credit, 2 hours.

291, 292. Teaching Methods and Directed Teaching. Credit. 6 hours.

320. Recent Trends in Teaching Vocational Agriculture. (3-0). Credit, 3 hours.

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

365. Research Problems in Agricultural Education. (3-0). Credit, 3 hours.

399. Thesis. Credit, 6 hours.
The division offers courses comprising majors designed for (1) teachers of the Social Sciences in the junior and senior high school, and (2) general college students in the specialized fields of the Social Sciences.

A major in the Social Sciences for teachers consists of not less than 42 nor more than 54 semester hours in the Social Sciences distributed as follows: History: 24 semester hours, including History 11, 12, and 61, 62 or 71, 72; six hours chosen from History 111, 113, 123, 211; and six hours chosen from History 112, 115, 121, 133, 143, 147, 212, 215, 223, 227; Government 61, 62, and electives, 12 hours in the Social Sciences, including three hours in each of any two of the following fields: Economics, Geography, or Sociology.

Students enrolled under the curriculum for teachers will be expected to absolve History 233, Teaching the Social Sciences in the Public Schools, in addition to the minimum requirements as outlined.

Candidates for the degree of Bachelor of Arts wishing to make a major in some one of the Social Sciences will be expected to absolve a total of 24 hours of work in a major field, and 18 hours of work in two additional fields of the Social Sciences, inclusive of History 11, 12, and Government 61, 62, if these courses do not fall in the field of the major, provided that the total amount of work in the Social Sciences offered toward graduation may not exceed 54 hours.

A teaching minor in the Social Sciences must include a minimum of 24 semester hours (six hours thereof advanced), including Government 61, 62, and at least 12 hours in History.

HISTORY

Professors Taylor, Murphy, Elliott, Greene, Hahn
Associate Professor Pool
Assistant Professors Craddock, Eakle
Instructors Maier, Howard

11, 12. History of Western Civilization. (3-0). Credit, 3 hours each.

51, 52. Medieval and Modern Europe. (3-0). Credit, 3 hours each.

61, 62. History of the United States Since 1492. (3-0). Credit, 3 hours each.

71, 72. History of England. (3-0). Credit, 3 hours each.

111. History of Europe, 1871-1919. (3-0). Credit, 3 hours.
112. History of the United States, 1877-1920. (3-0). Credit, 3 hours.

113. The Far East Since 1500. (3-0). Credit, 3 hours.

115. Economic History of United States. (3-0). Credit, 3 hours. Also Economics 115.

121. History of Texas, 1820-1875. (3-0). Credit, 3 hours.

123. The Near and the Middle East Since 1500. (3-0). Credit, 3 hours.

133. The American Constitution. (3-0). Credit, 3 hours. Also Government 133.

143. Mexico, Central America, and West Indies. (3-0). Credit, 3 hours.

147. South America. (3-0). Credit, 3 hours.

211. History of Europe Since 1919. (3-0). Credit, 3 hours.

212. Contemporary United States Since 1919. (3-0). Credit, 3 hours.

215. Diplomatic History of the United States. (3-0). Credit, 3 hours.

*223. The Frontier in American History. (3-0). Credit, 3 hours.

*227. Colonial North America. (3-0). Credit, 3 hours.

233. Teaching the Social Sciences in the Public Schools. (3-0). Credit, 3 hours.

311. Selected Problems in European History. (3-0). Credit, 3 hours.

315. Selected Problems in the Diplomatic History of the United States. (3-0). Credit, 3 hours.

321. Selected Problems in Texas History. (3-0). Credit, 3 hours.

323. Selected Problems of the Frontier in American History. (3-0). Credit, 3 hours.

327. Selected Problems in the History of Colonial North America. (3-0). Credit, 3 hours.

ECONOMICS

Associate Professor Erickson

67. Principles of Economics. (3-0). Credit, 3 hours.

73. Economic Problems. (3-0). Credit, 3 hours.

103. Economic Geography. (3-0). Credit, 3 hours. Also Geography 103.
111. Money and Banking. (3-0). Credit, 3 hours.
112. Corporation Finance. (3-0). Credit, 3 hours.
113. Labor Problems. (3-0). Credit, 3 hours.
115. Economic History of the United States. (3-0). Credit, 3 hours.
   Also History 115.
117. Economic Organization of the Southwest. (3-0). Credit, 3 hours.
127. Public Finance. (3-0). Credit, 3 hours.
129. Business Cycles. (3-0). Credit, 3 hours.
133. Business Statistics. (3-0). Credit, 3 hours. Also Business Administration 133.
143. Marketing. (3-0). Credit, 3 hours. Also Business Administration 143.

GEOGRAPHY
Associate Professor Sterry

13. Principles of Geography. (3-0). Credit, 3 hours.
57. Anglo-America. (3-0). Credit, 3 hours.
103. Economic Geography. (3-0). Credit, 3 hours. Also Economics 103.
107. Geography of Europe. (3-0). Credit, 3 hours.
108. Hispanic-America. (3-0). Credit, 3 hours.
113. Natural Resource Use and Planning. (3-0). Credit, 3 hours.
117. Political Geography and Geopolitics. (3-0). Credit, 3 hours.
123. The South. (3-0). Credit, 3 hours.
127. Geography of Asia. (3-0). Credit, 3 hours.

GOVERNMENT
Professors Taylor, Greene
Assistant Professor Henderson

115. American Local Government. (3-0). Credit, 3 hours.
117. International Organization and Administration. (3-0). Credit, 3 hours.

123. Introduction to International Law and Politics. (3-0). Credit, 3 hours.

125. Comparative Government: Europe. (3-0). Credit, 3 hours.

127. Comparative Government: Latin-America. (3-0). Credit, 3 hours.

133. The American Constitution. (3-0). Credit, 3 hours. Also History 133.

SOCIOLOGY

Professor Grusendorf

55. Marriage and the Family. (3-0). Credit, 3 hours.

67. Introduction to Sociology. (3-0). Credit, 3 hours.

69. Applied Sociology. (3-0). Credit, 3 hours.

117. Social Ethics. (3-0). Credit, 3 hours.

119. Social Psychology. (3-0). Credit, 3 hours.

127. Racial and Other Minority Groups. (3-0). Credit, 3 hours.

133. Social Control. (3-0). Credit, 3 hours.

137. The Family. (3-0). Credit, 3 hours.

143. Criminology. (3-0). Credit, 3 hours.

147. Juvenile Delinquency. (3-0). Credit, 3 hours.

153. The Community. (3-0). Credit, 3 hours.

237. Sociology of Education. (3-0). Credit, 3 hours.

IX. DIVISION OF RELIGIOUS INSTRUCTION

Mssrs. Rich and Ware, Teachers of Bible

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.

BIBLE

67. Survey of the Old Testament. (3-0). Credit, 3 hours.
Prerequisite, sophomore standing or special permission of the instructor.

68. Survey of the New Testament. (3-0). Credit, 3 hours.
Prerequisite, sophomore standing or special permission of the instructor.

111. The Life and Teachings of Jesus. (2-0). Credit, 2 hours.

131. Selected Studies in the Old Testament. (Genesis, Psalms, the Prophets). (2-0). Credit, 2 hours. A study of certain important Old Testament passages and books which are not emphasized in the survey course. Special attention is given to the ethical teachings of the Prophets.


RELIGION

121. The Spread of Christianity. (2-0). Credit, 2 hours.


139. The Church and Family Life. (2-0). Credit, 2 hours. The study of the Christian principles necessary for the growth and nurture of a Christian home.
X. DIVISION OF AIR SCIENCE

AIR FORCE RESERVE OFFICERS TRAINING CORPS

Instructional Staff for 1954-55

Professor of Air Science
Lt. Col. Earl W. Lewis

Assistant Professors of Air Science
Capt. James M. Brown
1st Lt. Paul W. Adams
1st Lt. Alton W. Willms


61, 62. Second Year Basic. (2-2). Credit, 2 hours each. Elements of Aerial Warfare; Introduction; Targets; Weapons; Aircraft; Air Ocean; Bases; Forces. Careers in the United States Air Force. Leadership Laboratory—Cadet Non-Commissioned Officers Training.

111, 112. First Year Advanced. (4-2). Credit, 4 hours each. These courses consist of a study of the following: The Air Force Commander and his Staff; Problems Solving Techniques; Communications Process and Air Force Correspondence; Military Law, Courts, and Boards.


Note: Following the completion of the Junior Year (AS 111, 112) each Cadet is required to attend a six (6) weeks Summer Camp at some active Air Force Base. While at Summer Camp Cadets receive training in the following: Individual Weapons; Familiarization Flying; Field Exercises; United States Air Force Base Activities and Equipment; Air Base Problems; Physical Training; Leadership.

211, 212. Second Year Advanced. (4-2). Credit, 4 hours each. This course includes a study of the following: Principles of Leadership and Management (Seminar); Career Guidance; Military Aspects of World Political Geography; Military Aviation and the Art of War; Briefing for Commissioned Service; Leadership Laboratory—Cadet Commissioned Officer Training.

Note: The amount of credit in Air Science that a student will find it practicable to use toward graduation will be determined by the curriculum under which he proposes to graduate, by his choice of major and minor, and by the number of electives available to him.
STATISTICAL SUMMARY

Enrollment

Regular Session, 1953-54

Freshmen (men 507, women 231) ........................................... 738
Sophomores (men 228, women 129) ......................................... 357
Juniors (men 186, women 156) ............................................. 342
Seniors (men 138, women 150) ............................................. 288
Graduates (men 133, women 157) ......................................... 290
Post Graduates (men 19, women 20) ..................................... 39
Specials (men 9, women 14) .................................................. 23
Total college (men 1220, women 857) .................................... 2077
Extension Students (men 47, women 164) ................................ 211

Summer Session, 1954

Freshmen (men 103, women 71) ............................................. 174
Sophomores (men 84, women 84) ........................................... 168
Juniors (men 88, women 140) ............................................... 228
Seniors (men 144, women 159) ............................................. 303
Graduates (men 190, women 293) ........................................... 483
Post Graduates (men 46, women 61) ..................................... 107
Specials (men 3, women 14) .................................................. 17
Total college (men 658, women 822) ..................................... 1480
Correspondence Students (Sept. 1, 1953 to August 31, 1954) ........ 148

DEGREES CONFERRED

Regular Session 1953-54

Master of Arts .............................................................. 9
Master of Education ......................................................... 38
Bachelor of Science ......................................................... 4
Bachelor of Arts ........................................................... 15
Bachelor of Business Administration ..................................... 15
Bachelor of Science in Education ......................................... 96
Bachelor of Science in Vocational Agriculture ....................... 21
Bachelor of Music Education .............................................. 3
Bachelor of Science in Industrial Arts ................................... 5
Bachelor of Science in Home Economics ................................. 10
Total .................................................................................. 216

Summer Session 1954

Master of Arts .............................................................. 23
Master of Education ......................................................... 119
Bachelor of Science ......................................................... 8
Bachelor of Arts ........................................................... 4
Bachelor of Business Administration .............................................. 11
Bachelor of Science in Education .................................................. 60
Bachelor of Science in Vocational Agriculture ............................... 5
Bachelor of Music Education .......................................................... 2
Bachelor of Science in Industrial Arts ............................................. 3
Bachelor of Science in Home Economics ........................................ 5
Total ................................................................................................ 240

DEGREES CONFERRED IN 1954

January 24, 1954

Bachelor of Science in Education

Barton, Robert C., Jr. ................................................................. Miles, Jack
Brauner, Marilyn Patricia ......................................................... Moon, Larry Jean
Chilson, Jerald Dean ................................................................. Null, Lois Lee Speed
Cleckler, Kathryn ................................................................. Frullt, Bertha Mae
Garcia, Modesto ................................................................. Salazar, Adelina Corrella
Hahn, Irene K. ............................................................................. Sewell, Wilma Jean
Hunt, Carolene ........................................................................... Siltman, David E.
King, Bobbie Doris ................................................................. Simon, Alva Jean
Kuretsch, Orpha Helen ......................................................... Slayton, Alton Leonard
Lambert, Jo Ann Wade .......................................................... Van Schreeven, Patricia Ann
Leifeste, Beth Reardon .......................................................... Wahler, Alyce Marie
McElroy, John Paul ................................................................. Wallace, Gwendolyn Mae
Matthews, Frances Ruth

Bachelor of Arts

Box, Linus J., Jr. ................................................................. Phelps, Lillie Mae
Cryer, Billie Jo ........................................................................ Turman, Betty Lou
Nohle, Frances Elizabeth Dean

Bachelor of Science

Marek, Rudy, Jr.

Bachelor of Science in Home Economics

Drehr, Ann ................................................................................ Maler, Mildred Ruth
Freece, William Benton

Bachelor of Science in Industrial Arts

Mathis, James Dale ................................................................. Rehmann, Herbert H.
Freece, William Benton ....................................................... Ruiz, Maria del Socorro

Bachelor of Science in Vocational Agriculture

Guiford, Henry Boyd ............................................................... Selfert, Clifton E.
Martin, Rothe Gus ................................................................. Stock, Alvin E.

Bachelor of Business Administration

Cordes, Jeanette Ann ................................................................. Mullen, William Franklin
Eckols, Howard L. ................................................................. Wehring, Fred, Jr.
Kirkland, Bobbie Louise ....................................................... Zuehl, Marjorie Carolyn

Master of Arts

Cannon, Alice Bennett ............................................................... Jordan, Mabel E.
Ikels, Kenneth Gene ................................................................... Wiegand, Catherine J.
SOUTHWEST TEXAS STATE TEACHERS COLLEGE

Master of Education

Allen, Cecil
Arnold, Ruth Carolyn
Dagher, Charles
Frenzel, Edris Borden
Jenkins, Macie Wright

Ohm, Raymond Charles
Reed, Paul E.
Rossow, Mildred Froehner
Yarchuska, John A.

Bachelor of Science in Education

MAY 23, 1954

Bachelor of Science in Education

Ammerman, Joseph H.
Bartos, Mary Ruth
Beckmann, Rebecca Louise
Berkley, Katherine Hayes
Bishop, La Nell
Black, Robert Buclyd, Jr.
Brock, Barbara Haynes
Bruns, Harvey Allen
Cole, William Hoffman
Cook, Helen Irene
Cook, Oscar Bryson
Covington, Mary Virginia
Crofoot, George Wendell, Jr.
Currie, Job Henry
Dacus, W. Pense
DeWald, Mary Lee
Douglas, Loretta Hobbs
Dowling, Ora Marie
Felts, Gilbert
Fischer, Jane Armentrout
Freeman, Mrs. Helen L.
Fricks, Fred Allen
Gandy, Betty Joyoe
Greebon, Joelien
Hartrick, Haleta Kay
Hemml, Marionell
Hemphill, Mrs. Ray A.
Hensch, Anna Belle
Hewell, Harriet Elizabeth
Hobrecht, Jo Nell
Johnson, Willene Beakley
Holloway, Barron Taylor
Holt, Carol Rae McCown
Kendall, Frances Dean
King, Burton Bachman
Knipe, Betty Diane

Kocsiskey, Carmen Esther
Kotrba, Rosalie Frances
Kurtin, Anna Marie
Lancaster, Betty Gunn
Lawrence, Roger Edward
Lemons, Velma Ray
McCaughrn, Melva Lou
Mears, Joe Clifford
Milliken, Alma Lee
Moore, Evelyn Ann
Moore, Michael Redding
O'Sheeles, Besse Illima
Pederson, Wanda Lee
Petty, Mrs. Winnie
Porter, Charlotte
Prewitt, James Harold
Pridy, Clara Belle
Reid, Sybil Ann
Ridout, James W., Jr.
Roberts, Sidney M.
Scarborough, Joyce Marie
Schubert, Hazel Hancock
Sommier, Bobby Ray
Sinor, Laura Marie
Smith, Cherrie Ann
Stevens, Wesley Foster
Strube, Dorothy Mae
Uecker, Harold Loyd
Uecker, Warren Wayne
Walker, Loreta Vaniece
Wasserman, Ruth Merle
Webster, Elwanda
Weder, John H.
Wegner, Marion M.
Youngblood, Winnie

Bachelor of Arts

Arnold, Mary Ruth
Box, Bonnie C.
Dunn, Robert Ray
Kirkman, Annette
Kondziela, Michael J.

McEnnis, Patricia
Schlemmer, Charles
Skeen, Mary Lou
Smith, Faye Ann
Zunker, Jerry L.

Bachelor of Science

Hollek, Elizabeth
Kirksey, Vance Clayton

Vick, Thomas L.

Bachelor of Science in Home Economics

Cowan, Dorothy Jean
Griffin, Shirley Ann
Mathias, Neida May

Ross, Nancy Jean
Steelhammer, June Amelia
Williams, Dorothy Love

Bachelor of Science in Industrial Arts

Ferrero, Herbert H.
Wadsworth, James Walter
Bachelor of Science in Vocational Agriculture

Boultinghouse, Roy Lee
Brown, Thomas D.
Byrom, Travis Carroll, Jr.
Caffey, Clemente D.
Francis, John Cecil
Gabriel, Milton Monroe
Gross, Charles Walker
Hardee, Bryson Earl
Harlow, Carlos Dean
Kuykendall, Marshall Early
Meyer, Robert Ahrens
Mutschlechner, Edwin Cleo
Robbins, Telvy F.
Roberds, William L.
Shuler, John James, Jr.
Thompson, Charles M.
Wetz, Ferman Louis

Bachelor of Music Education

Brigham, Grace Alice
Brown, Beverly Bess
Clark, Beverly Bess
Giles, Claire Diane

Bachelor of Business Administration

Evans, Walter Henry
Fox, Robert Samuel
Hart, William Bobby
Kelley, William Howard
Mullenix, Robert Duane
Thomas, William James
Titsworth, Tommy Joe
Virnau, Donald R.
Zarub, Frank G.

Master of Arts

Arnn, John Wesley
Haines, Andrew Joseph
Holden, Robert L.
Pratt, Joseph Neal
Terrill, James C.

Master of Education

Brantley, Mabel Faseler
Buckner, Clara Schrimsher
Carley, Vernelle Seay
Chessher, Allen Howell
Dacus, Pence W.
Dominguez, Raul G.
Farber, Odellah
George, Jameely S.
Grosgebauer, Lililan S.
Hamlett, James R.
Hopson, William Paul
Horton, Howard L.
Howard, Catherine
Long, Ida Lou
Mercer, Dixie Lee
Moody, Rue Weldon
Morrison, Rose Mary
Potts, Charles Bruce
Ramsdell, Lorline
Reagan, Vivian Thames
Sullivan, Peggy Joyce
Swickheimer, Hatty Albrecht
Thompson, Florence P.
Upshaw, Marimyn
Wiegand, Josephine Spence
Wiegand, Ruby
Williamson, Bobby L.
Wilson, Ernest Clay, Jr.
Winters, Lillie Mae

AUGUST 20, 1954

Bachelor of Science in Education

Albrecht, Naomi Shults
Allen, Winnie Wooten
Arkwright, Irene Lewis
Barker, Bobbie Jean
Bierman, Sadie Elizabeth Epton
Billings, Frances Downey
Bond, Eula S.
Box, Birdle Nell
Bunker, William R.
Burdette, Betty Ray
Cookrell, Florence M.
Courtney, Richard Allen
Curlee, Nathan M., Jr.
Crenshaw, Pauline
Davenport, Edna Arcadia
Davis, Ethel Winona
Denmark, Janice M.
Dickey, Clara Kirk
DueBose, Mavournee Dominy
Euton, Elton Earl
Freeman, Karel Lynn
Freeman, Maude Swift
Frost, Eleanor Ruth
Garcia, Maria del Socorro
Goode, Donald
Hefley, Michael M.
Johns, Elizabeth Lucille
Keller, Elta Lee Hurt
Kelly, Nena N.
Kneffel, Georgia Anne
Lee, Peggy Jones
Lopez, Olivia Quintanilla
Lucke, Henry
Moncure, Ruth Wacaser
Moody, Warren D.
Morales, Alma Delia
Moses, Peggy Lou
Nielson, Emmie Lou
Pape, Leora Kabelmacher
Pearce, Beula Mae Fudge
Peavy, Glenn Lowell
Ploetz, Janie Lee
Ramirez, Nina
Robertson, Alice Simmang
Robinette, Vardi Adelia
Salcher, George Neal
Smith, Ruthie Klingerman
Smitherman, Joe Wayne

Smothers, Annie Loys
Spittgber, Marie
Spittgber, Marilyn
Tabor, Frances Esther
Teague, George William, Jr.
Teague, Marvin O'Dell
Walzel, Rayetta
Wilson, Jimmy Lee
Wood, Kay Frances
Zesch, Joan Naomi
Zube, Ethel G.

Bachelor of Arts

Cosner, June Carol
Grimes, Dorothy Mae

Hays, Barbara Lorraine
Sutherland, Harrell Crockett, Jr.

Bachelor of Science

Angermiller, Minor Ross
Cagle, Richard H.
Fohn, Charles H.
Kelly, Mary Lou Gregg

Kuehl, La Nell
Le Laurin, Fred
Schneider, Leroy Henry
Stone, Robert Melvin

Bachelor of Science in Home Economics

Ammerman, Barbara Shannon
Heard, Shirley Anne
Hector, Patricia

McAda, Rosemarie
Menking, Mary Elizabeth

Bachelor of Science in Industrial Arts

Humphreys, Jesse Gene
Kolodziejezyk, Paul Valerian

Watson, Leroy Alfred

Bachelor of Science in Vocational Agriculture

Edmondson, Cloyd
Ham, Herbert Olen
Hogsett, Jack Carleton

Kercheville, Gus C., III
Rightmer, William Harrell

Bachelor of Music Education

Delavan, Marlene McKenzie

Marshall, James Malone

Bachelor of Business Administration

Allan, James A.
Brundrett, Wallace M., Jr.
Cade, Richard Neims
Coleman, Larry DeMurr
Denny, Nona Lee Dye
Douglas, Ray E., Jr.

Miller, Fred Bernard
Pieper, William Turner
Schulze, Norman H.
Teich, Charles Edgar
Tuttle, Milton Eugene

Master of Arts

Bailey, Edward M.
Baldrige, Shirley Potts
Ball, Elvon Atlee
Bodeman, Alleen Schulz
Chessher, Dorotha Abbott
Cramer, Pearl Lowry
Fairchild, Florence Bode
Haie, Texas B.
Hamcock, Mildred
Harlan, Horace D.
Hewett, Floy Ray
James, Glenda Gay

Mitchell, James C., Jr.
Nixon, Pauline M.
Porter, Juanita Corinne
Simpson, Mary Dean
Tedford, Charles P.
Vogel, Mary Hudson
Walker, Daniel Gers
Watson, Lillie I.
Wieser, Imogene Carolyn
Wiley, Tomye Bowden
Yantis, Alice K.
Master of Education

Acuff, Betty Jean Stroup  
Akan, Elnora A.  
Allen, Maxine  
Allison, Danna Rogers  
Allred, Luna Virginia  
Ball, Geneva B.  
Barre, Chester Ralph  
Barrera, Stella  
Bauerschlag, Henry F.  
Beasley, Edward Maurice  
Billings, John Clayton  
Blandell, Mary Louise Clayton  
Bradley, Janice Avery  
Burkett, Sally Britain  
Calhoun, James Bennett  
Calhoun, Vivian V. Parr  
Cardwell, Carl Forest  
Casskey, LaRita Ellis  
Chaffin, Susie Mae  
Cogburn, Raymond Jesse  
Comander, Jean Creighton  
Cotten, Dorothy L.  
Cowan, John Jackson  
Crozier, Mary Talula  
Davis, Clifford  
Davis, Estelle  
Donalson, Naomi King  
Engel, Augusta Charlotte  
Everett, Richard F.  
Faithe, Joyce Katherine  
Fausett, Mary Milligan  
Frazier, Ann Northen  
Faught, Edna C.  
Forqueran, Daniel B.  
French, Grace Healy  
Garcia, Alberto Enrique  
Garza, Carlos G.  
Golembeski, Aznls Morell  
Grant, Ruth Ann  
Hall, John Hardaway  
Harp, Ophelia L.  
Havel, Fred A., Jr.  
Hoff, Frank Leroy  
Hoffman, Evelyn K.  
Hogan, William H.  
Huffman, John H.  
Jackson, Henry B.  
Jackson, Twalah Vaughan  
Janak, Mary R.  
Johnson, Billie Viola  
Kirchhoff, Martha Altenhoff  
Kohlenberg, Lee M.  
Lane, Zora  
Leeper, James S.  
LeSueur, Mabel Dawson  
Lopez, Andres G.  
Lowery, Mary Koontz  
Lozano, Edward Fred

Lozano, Gene  
McDonald, Vernon S.  
McGee, Deward Kenneth  
Mangum, Charles Hansel  
Martinez, Donaciana  
Mendez, Claudio Barrera  
Miller, Gertrude E.  
Muecke, Myrtle Hardy  
Newcomer, Avis A.  
Patterson, Jacqueline  
Perez, Eida Casas  
Perez, Emeterio  
Petty, Alfred Marvin  
Pierce, Gladys Evelyn  
Pollard, Evelyn Fudge  
Pratt, David Richard  
Ramirez, Francisco Martinez  
Randerson, Margaret Paige  
Reed, Betty Ivey  
Richey, Thomas Andrew  
Riley, Charles Phillip, Jr.  
Robertson, Glee Clawson  
Rodman, Marlon Eugene  
Rodriguez, Malge M.  
Rogers, Margaret Muse  
Rohan, Jerome J.  
Rosales, Jesus  
Rumley, Charles M., Jr.  
Schumann, Mattie Lou  
Scott, Floyd Wayne  
Scranton, Mildred Irene  
Sebata, Joe P., Jr.  
Sides, Herbert Luther  
Simmang, Mary Ellen  
Smith, Bernice Wheeler  
Sochia, Beatrice Morales  
Rark, Dolores Ann  
Stautzenberger, Pauline Gary  
Stewart, Eli V.  
Stewart, Marjorie Outlaw  
Suhler, Samuel Aaron  
Summers, Bernice Gravel  
Tally, Fred H.  
Thompson, Wave S.  
Vetter, Clarence G.  
Walker, G. W.  
Wedel, John H.  
Weeks, Arnett S., Jr.  
Wiegand, Thomas Edward  
Williams, Josephine Huret  
Wilson, William L.  
Witt, Laura Klagesm  
Witt, Milton P.  
Woolbright, Ray M.  
Worthington, Lucile E.  
Wray, Enid  
Wright, Esther Peterson  
Yantis, W. Lee

ALPHA CHI MEMBERSHIP

January, 1954

Graduate Membership

Cleckler, Kathryn  
Cordes, Jeanne Marie  
Cryer, Billie Jo  
McElroy, John Paul  

Preece, William Benton  
Wahrer, Alice Marie  
Zuehl, Marjorie Carolyn
May, 1954

Graduate Membership

Bartos, Laura Louise
Bishop, La Nell
Cook, Helen Irene
Fischer, Jane Armentrout
Hollek, Elizabeth
McCaurien, Melva Lou
McEnnis, Patricia
Skeen, Mary Lou
Thompson, Charles M.
Zunker, Jerry L.

August, 1954

Graduate Membership

Ammerman, Barbara Shannon
Delavan, Marlene McKenzie
DuBose, Mavournee Dominy
Fohn, Charles H.
Frost, Eleanor Ruth
Kelly, Mary Lou Gregg
Kelly, Nena N.
Kuehl, La Nell
Menking, Mary Elizabeth
Moncure, Ruth Wacaser

Regular Session, 1954-55

Senior Membership

Anderson, James
Barsotti, Jo Ann
Beckman, Dorothy M.
Billings, Herbert
Bingaman, Ruth
Box, Virginia
Champion, Christina
Dahl, Barbara Jane
Dibrell, Elizabeth
Gillespie, Loretta
Gundelach, Charles
Manly, Melvin
Morgan, Bobbie
Rahe, Alton
Schafer, Natalia
Schmidt, Leonda
Seldensticker, Irene
Smith, Clayton
Sorrell, Margie
Walker, Helen
Warburton, Dorris
Wiegreffe, James

Junior Membership

Beck, Shirley S.
Bertling, Gay
Buckner, Thomas
Burris, Edith Goldapp
Drake, Iris
Ellers, Rebecca
Ellisson, Marylyn
Golden, Ella Mae
Hall, Mildred
Hill, Delane
Lewie, Albert S., Jr.
Lewis, Marvin Lee
Luchifing, Waldemar
Naumann, Bertha
Naylor, Joyce
Ohiendorf, Frances A.
Parsons, William Fred
Perry, Ruby Lee
Schulze, Mary Margaret
Sebesta, Daniel
Sebesta, David
Sides, Kenneth
COLLEGE STUDENTS IN THE AIR FORCE ROTC have the opportunity to be commissioned as officers in the Air Force and to complete their college education without interruption.
Since the activation of the College Air Force Reserve Officer Training Corps Unit in 1951, more than 650 men have been enrolled in the Air Science program as offered at the College.

Air Science training is an integral part of the AF ROTC student's course of study. He receives a four-year course of instruction, two years being devoted to Basic Training and two years to Advanced Training, in conjunction with his other academic work.

AF ROTC students wear their uniforms only one day a week.

The Air Force provides uniforms, textbooks, and other training equipment. In addition, advanced students are paid an allowance of $27 a month. Those who maintain scholastic and military standards may be deferred from the draft, allowing time for uninterrupted study.

Male high school graduates who are eligible for admission to college may enroll in the ROTC program. College students who have to their credit two years of ROTC instruction at a federally recognized institution may be admitted to advanced training.

Applications or requests for information are welcomed. Persons interested should write Lt. Col. Earl W. Lewis, Professor of Air Science and Tactics, at the College.