

**BULLETIN**  
**OF THE**  
**TEXAS TECHNOLOGICAL**  
**COLLEGE**

**PUBLISHED MONTHLY**

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**Vol. XI.**

**June, 1935**

**No. 4**

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**TENTH ANNUAL**  
**CATALOGUE NUMBER**  
**1934-1935**

**WITH**

*ANNOUNCEMENTS FOR 1935-36*

**TEXAS TECHNOLOGICAL COLLEGE**  
**Lubbock, Texas**

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Issued monthly by The Texas Technological College, Lubbock, Texas.  
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Postoffice, at Lubbock, Texas, under the Act  
of August 24, 1912

# CALENDAR

1935

JANUARY

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29	30	31				



# COLLEGE CALENDAR

## ELEVENTH ANNUAL SESSION

### 1935

- September 16, Monday. Entrance Examinations.
- September 17-18, Tuesday-Wednesday. Registration of all students.
- September 19, Thursday. Fall semester classes begin, 8:00 A. M.
- September 20, Friday. Open house for all students by the churches of Lubbock, 8:00 to 10:00 P. M.
- September 22, Sunday. Special Annual sermons for students at all Lubbock churches.
- September 24, Tuesday. Opening Convocation, Fall semester, for all students and faculty. Annual address of the President, 11:00 A. M.
- September 28, Saturday. Annual reception to all students by President and Mrs. Knapp and the College Administrative Council, 8:00 P. M.
- October 1, Tuesday. Last day students may register for full work.
- October 15, Tuesday. Last day students may register for first semester without permission of the College Administrative Council. Last day students may add or change courses.
- November 9-10-11, Saturday-Sunday-Monday. Decennial celebration of opening of Texas Technological College.
- November 20, Wednesday. Mid-semester reports due in Registrar's office, 5:00 P. M.
- November 28, Thursday. Thanksgiving.
- December 20, Friday. Christmas holidays begin, 5:00 P. M.

### 1936

- January 2, Thursday. Classes resumed, 8:00 A. M.
- January 25-31, Saturday-Friday. Final examinations for the first semester.
- February 1, Saturday. Registration for the second semester.
- February 3, Monday. Second semester classes begin, 8:00 A. M.
- February 15, Saturday. Last day students may register for the second semester without permission of the College Administrative Council.
- April 1, Wednesday. Mid-semester reports due in Registrar's office, 5:00 P. M.
- April 8, Wednesday. Annual presentation "Seven Last Words" by Duboise, presented by Professor Blitz, orchestra and chorus.
- April 10, Friday. Easter recess begins, 5:00 P. M.
- April 14, Tuesday. Classes resumed, 8:00 A. M.
- May 30-June 5, Saturday-Friday. Final examinations for the second semester.
- June 5, Friday. Annual reception of President and Mrs. Knapp to the faculty and Graduating Class, 8:00 to 10:00 P. M.
- June 6, Saturday. Senior Day.
- June 7, Sunday. Baccalaureate sermon, 8:00 P. M.
- June 8, Monday. Commencement exercises, 10:00 A. M.
- June 8, Monday. Annual Alumni Banquet, 7:30 P. M.
- June 9, Tuesday. Annual meeting of the Board of Directors, 10:00 A. M.

# BOARD OF DIRECTORS

## OFFICERS OF THE BOARD

Clifford B. Jones, Chairman .....Spur  
Roscoe Wilson, Vice-Chairman .....Lubbock  
Dennis Zimmermann, Treasurer .....Tulia  
William T. Gaston, Secretary .....Lubbock

## MEMBERS OF THE BOARD

### Term Expires 1937

Clifford B. Jones .....Spur  
Roscoe Wilson .....Lubbock  
Dennis Zimmermann .....Tulia

### Term Expires 1939

Mrs. John A. Haley .....Midland  
Mrs. Emma G. Meharg .....Plainview  
Joe T. Sneed, Jr. ....Amarillo

### Term Expires 1941

Mrs. W. R. Potter .....Bowie  
Tomas G. Pollard .....Tyler  
James M. West .....Houston

## COMMITTEES OF THE BOARD

### Executive Committee

Mrs. John A. Haley  
Roscoe Wilson, Chairman  
Mrs. W. R. Potter

### Building Committee

Tomas G. Pollard  
Joe T. Sneed, Jr., Chairman  
James M. West

### Local Affairs Committee

Mrs. Emma G. Meharg  
Roscoe Wilson, Chairman  
Dennis Zimmermann

### Finance Committee

Mrs. John A. Haley  
Dennis Zimmermann, Chairman  
Joe T. Sneed, Jr.

### Legislative Committee

Mrs. W. R. Potter  
Tomas G. Pollard, Chairman  
James M. West

## OFFICERS OF ADMINISTRATION

The first date after the title indicates the year of first appointment to any position in the institution; the second, the year of appointment to present rank.

BRADFORD KNAPP, B. S., LL. B., D. Agri., President, 1932.

Office, 213, Administration Building.

OTTO VINCENT ADAMS, B. S. in C. & I. E., M. S. E., Dean of the Division of Engineering, 1927, 1932.

Office, 202, Engineering Building.

ARTHUR HENRY LEIDIGH, B. S., M. S., Dean of the Division of Agriculture, 1925.

Office, 102, Agriculture Building.

JAMES MARCUS GORDON, B. A., M. A., LL. D., Dean of the Division of Arts and Sciences and Dean of Men, 1925, 1933.

Office, 211, Administration Building.

MARGARET WATSON WEEKS, B. S., M. S., Dean of the Division of Home Economics, 1925.

Office, 101, Home Economics Building.

MARY WOODWARD DOAK, B. A., M. A., Dean of Women, 1925.

Office, 107, Administration Building.

WILLIAM THOMAS GASTON, Business Manager and Secretary of Board of Directors, 1929.

Office, 102, Administration Building

WARREN PERRY CLEMENT, B. A., M. A., Registrar, 1926, 1927, 1933.

Office, 106, Administration Building.

WILLIAM BRYAN GATES, B. S., M. A., Ph. D., Assistant Dean of the Division of Arts and Sciences, 1925, 1933.

Office, 305, Administration Building.

## OFFICERS OF INSTRUCTION

Names arranged alphabetically in groups. The first date after the title indicates the year of first appointment to any position in the institution; the second, the year of appointment to present rank.

BRADFORD KNAPP, President, 1932.

B. S., Vanderbilt; LL. B., Michigan; D. Agr., Maryland.

## PROFESSORS

WILLIAM HENRY ABBITT, Professor of Physics, 1926.

B. A., Virginia; Ph. D., Chicago.

OTTO VINCENT ADAMS, Dean of Engineering and Professor of Civil Engineering, 1927, 1932.

B. S. in C. & I. E., Colorado Agricultural College; M. S. E., Michigan.

ALBERT BARNETT, Professor of Education, 1933.

B. S., M. A., Ph. D., Peabody College.

JULIEN PAUL BLITZ, Professor and Head Department of Music, 1934.

Laureate cum Laude, Royal Government Conservatory, Ghent, Belgium.

CARL DEWEY BRANDT, Professor and Head Department of Textile Engineering, 1929.

B. T. E., Lowell Textile Institute.

CHARLES V. BULLEN, Professor and Head Department of Electrical Engineering, 1932.

B. S. in E. E., Texas; M. S. in E. E., Massachusetts Institute of Technology.

ALLAN LORAIN CARTER, Professor and Head Department of English, 1927.

B. A., Clark; M. A., Northwestern; Ph. D., Pennsylvania.

PETER WILLIS CAWTHON, Professor and Head Department of Physical Education for Men, 1930.

Southwestern University.

BENJAMIN FRANKLIN CONDRAV, JR., Professor and Head Department of Economics and Business Administration, 1926, 1927.

B. A., Ouachita; M. A., Chicago.

MOZELLE EUGENIA CRADDOCK, Manager and Dietitian of the Dormitories; Professor and Head Department of Institutional Management, 1934.

B. S., Texas; M. A., Chicago.

WILLIAM MOORE CRAIG, Professor of Chemistry, 1926.

B. A., M. A., Southwestern; M. A., Texas; Ph. D., Harvard.

CHARLES ALBERT DAVIS, Professor of Military Science and Tactics, 1931.

Colonel 131st Field Artillery; Colonel Field Artillery Section Officers Reserve Corps; Graduate Ft. Sill Field Artillery School; Graduate Command and General Staff School, Fort Leavenworth.

MARY WOODWARD DOAK, Dean of Women and Professor of English, 1925.

B. A., Texas; M. A., Texas Technological College.

VENTON LEVY DOUGHTIE, Professor of Mechanical Engineering, 1930, 1932, 1935.

B. S. in M. E., Texas.

CHARLES DUDLEY EAVES, Professor of History, 1925.

B. A., Texas; M. A., Chicago.

JOHN ORVAL ELLSWORTH, Professor and Head Department of Agricultural Economics and Farm Management, 1928.

B. S., Utah State Agricultural College; M. S., Ph. D., Cornell.

MABEL DEANE ERWIN, Professor and Head Department of Clothing and Textiles, 1926.

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

ARTHUR WILSON EVANS, Professor and Head Department of Education and Psychology, 1925.

B. A., Oxford College; M. A., Ph. D., Texas.

GUS LEE FORD, Professor and Head Department of History, 1925, 1933.

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

RAYMOND ERNEST GARLIN, Professor of Education, 1927.

B. A., M. A., Ph. D., Texas.

WILLIAM BRYAN GATES, Professor of English and Assistant Dean of Arts and Sciences, 1925, 1933, 1935.

B. S., Millsaps; M. A., Vanderbilt; M. A., Michigan; Ph. D., Pennsylvania.

ENOCH FRANKLIN GEORGE, Professor and Head Department of Physics, 1925.

B. S., Valparaiso University; B. A., M. A., West Virginia; Ph. D. Ohio.

HARRY FREDERICK GODEKE, Professor and Head Department of Mechanical Engineering, 1930.

B. S., M. E., M. S., Illinois.

ROBERT CABANISS GOODWIN, Professor and Head Department of Chemistry and Chemical Engineering, 1930.

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

JAMES MARCUS GORDON, Dean of Division of Arts and Sciences and Dean of Men, Acting Head Department of Philosophy and Sociology, 1925, 1933.

B. A., Trinity; M. A., Chicago; LL. D., Trinity.

WILLIAM FRANK HELWIG, Professor of Electrical Engineering, 1928, 1933, 1935.

B. S. in E. E., Minnesota; M. A., Texas; E. E., Minnesota.

WILLIAM CURRY HOLDEN, Professor of History and Anthropology and Director of Archaeological Research, 1929, 1933.

B. A., M. A., Ph. D., Texas.

WILLIAM ALBERT JACKSON, Professor and Head Department of Government, 1925.

B. A., Baylor; M. A., Chicago; Ph. D., Iowa.

FLORIAN ARTHUR KLEINSCHMIDT, Professor and Head Department of Architecture and Allied Arts, 1928.

B. S. in Arch., Minnesota; M. in Arch., Harvard; Diplome d'Architecture, Ecole des Beaux Arts Americaine, Fontainebleau, France.

ARTHUR HENRY LEIDIGH, Dean of Agriculture and Professor of Agronomy, 1925.

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

\*JONNIE HEMPHILL McCRERY, Professor and Head Department of Foods and Nutrition, 1925.

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

SETH SHEPARD McKAY, Professor of History, 1928.

B. A., M. A., Texas; Ph. D., Pennsylvania.

CLARENCE SIMPSON MAST, Professor of Physics, 1925.

B. S., M. A., Ohio Wesleyan University.

JAMES NEWTON MICHIE, Professor and Head Department of Mathematics, 1925.

B. S. in Engineering, Virginia; M. A., Michigan.

RUFUS ARTHUR MILLS, Professor of English, 1926.

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

RAY C. MOWERY, Professor of Animal Husbandry, 1926, 1935

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

JAMES HAROLD MURDOUGH, Professor and Head Department of Civil Engineering, 1925, 1927.

B. S. in C. E., Massachusetts Institute of Technology; M. S. E. Michigan.

LEROY THOMPSON PATTON, Professor and Head Department of Geology and Geological Engineering, 1925.

B. A., Muskingum College; B. S., Chicago; M. S., Ph. D., Iowa.

ANNAH JO PENDLETON, Professor of Speech, 1927.

B. A. and Diploma in Oratory, Texas Christian University; Diploma, School of Speech, Northwestern University; M. A., Iowa.

RUTH PIRTLE, Professor and Head Department of Speech, 1925, 1928.

B. S., M. A., and Diploma as Teacher of Speech Education, Columbia; Hickman School of Speech Arts; Lyceum Arts Conservatory; Colorado; California; Curry School of Expression, Boston.

ELLSWORTH HARVEY PLANK, Professor of Economics and Business Administration, 1933, 1934.

B. S., M. S., Oregon; Ph. D., Stanford.

CHARLES BLAISE QUALIA, Professor of Spanish and Head Department of Foreign Languages, 1925, 1932.

B. A., M. A., Ph. D., Texas.

EDWARD LOOMAN REED, Professor of Botany, 1926, 1929.

B. A., Oklahoma Baptist College; M. S., Ph. D., Chicago.

KENNETH MILLER RENNER, Professor and Head Department of Dairy Manufactures, 1927, 1931.

B. S., Iowa State College; M. S., Kansas State Agricultural College.

CLIVE EARNEST RUSSELL, Professor of Horticulture and Head Department of Plant Industry, 1928, 1933.

B. S., Michigan State College; M. S., Oregon State College.

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\* Leave of absence, spring semester, 1934-35.

**\*\*CECILIA SCHUCK**, Acting Professor of Foods and Nutrition, 1935.  
B. A., Indiana State Teachers College; M. S., Minnesota; Ph. D., Chicago.

**GEORGE SMALLWOOD**, Professor of English, 1925.  
B. A., Southwestern; M. A., Southern Methodist University.

**RUSSELL T. SMITH**, Professor of Physical Education for Men, 1930.  
B. A., Austin College.

**FRED WINCHELL SPARKS**, Professor of Mathematics, 1926, 1928.  
B. A., M. A., Southwestern; M. S., Ph. D., Chicago.

**OSCAR A. ST. CLAIR**, Professor and Head Department of Industrial Engineering, Engineering Drawing, and Industrial Education, 1934.  
B. S. in E. E., Armour Institute of Technology.

**\*\*\*WENZEL LOUIS STANGEL**, Professor and Head Department of Animal Husbandry, 1925.  
B. S., Agricultural and Mechanical College of Texas; M. S., Missouri.

**RICHARD ARTHUR STUDHALTER**, Professor and Head Department of Biology, 1925.  
B. A., Texas; M. A., Washington University; Ph. D., Chicago.

**RALPH SYLVESTER UNDERWOOD**, Professor of Mathematics, 1927, 1931.  
B. A., M. A., Minnesota; Ph. D., Chicago.

**MARGARET WATSON WEEKS**, Dean of Home Economics and Professor of Nutrition, 1925.  
B. S., M. S., Columbia.

#### ASSOCIATE PROFESSORS

**VIRGIL BALLARD**, Associate Professor of Physical Education for Men, 1934.  
B. A., Austin College.

**ALBERT BENJAMIN CUNNINGHAM**, Associate Professor of English, 1929, 1930.  
B. A., Muskingum; B. D., Drew University; M. A., Ph. D., New York.

**\*BONNIE K. DYSART**, Associate Professor of Education, 1927, 1928.  
B. A., M. A., Texas.

**RUPERT WINTHROP FOWLER**, Associate Professor of English, 1926.  
B. A., Texas; M. A., Harvard.

**FRED G. HARBAUGH**, Associate Professor of Animal Husbandry, 1927, 1935.  
B. S., D. V. M., Iowa State College.

**MAURICE EARL HEARD**, Associate Professor of Textile Engineering, 1928, 1932, 1935.  
B. S. in T. E., Texas Technological College.

**CARL HENNINGER**, Associate Professor of Modern Languages, 1926, 1929.  
B. A., Indiana; M. A., Illinois.

**HARRY HILL**, Associate Professor of Physics, 1926.  
B. A., M. A., West Virginia.

**DOYLE D. JACKSON**, Associate Professor of Education, 1934.  
B. A., M. A., Texas; Ph. D., Arizona.

\* Leave of absence, 1934-35.

\*\* Spring semester 1934-35.

\*\*\* Leave of absence, 1935-36.

- ADA VIVIAN JOHNSON, Associate Professor of Foods and Home Economics Education, 1928, 1930, 1935.  
B. S., Southwest Texas State Teachers College; M. A., Columbia.
- MILTON FREDERIC LANDWER, Associate Professor of Biology, 1927.  
B. S., Northwestern; M. A., Nebraska.
- JOHNNY GILKERSON LANGFORD, Associate Professor and Head Department of Physical Education for Women, 1925, 1927, 1934.  
B. B. A., Texas; M. A., Southern California.
- BESSIE BEAKLEY LEAGUE, Associate Professor of Biology, 1926, 1927.  
B. A., M. A., Ph. D., Texas.
- CYRIL LUKER, Associate Professor of Vocational Agriculture and Itinerant Teacher Trainer, 1933.  
B. S., Agricultural and Mechanical College of Texas.
- FLORA POWELL MCGEE, Associate Professor of English, 1925.  
B. A., Colorado College; M. A., Peabody College.
- HARRIET TILDEN McJIMSEY, Associate Professor of Applied Arts, 1931.  
B. S., Iowa State College; M. A., Columbia.
- FITZHUGH LEE McREE, Associate Professor of Civil Engineering, 1927, 1928, 1935.  
B. S. in C. E.; M. S. in C. E., Texas.
- DONALD VAN DALE MURPHY, Associate Professor of English, 1926, 1928, 1935.  
B. A., Tulsa; M. A., Columbia.
- HAROLD REESE NISSLEY, Associate Professor of Economics and Business Administration, 1927.  
B. S. in E. E., Armour Institute of Technology; Ph. B., Chicago.
- MONTELL ERNEST OGDON, Associate Professor of Government, 1929.  
B. A., Illinois; M. A., Columbia.
- HARDISON CECIL PENDER, Associate Professor of Government, 1926, 1927.  
B. A., North Texas State Teachers College; M. A. Baylor.
- WILBER IRVING ROBINSON, Associate Professor of Geology, 1928.  
B. A., M. S., Michigan; Ph. D., Yale.
- CLARENCE CARL SCHMIDT, Associate Professor of Physics, 1927.  
B. A., Cornell; M. A., Ph. D., Illinois.
- VALERIE SCHNEIDER, Associate Professor of Chemical Engineering, 1934.  
B. S., M. S. in Ch. E., Texas; D. Sc. Mass. Institute of Technology.
- JAMES THOMAS SHAVER, Associate Professor of Education, 1927.  
B. S., Sam Houston State Teachers College; M. A., Columbia.
- EDGAR GREER SHELTON, Associate Professor of Architectural Engineering, 1925.  
B. S. in Arch., Texas.
- MERRILL A. STAINBROOK, Associate Professor of Geology, 1927, 1928.  
B. A., M. S., Ph. D., Iowa.
- ALAN LANG STROUT, Associate Professor of English, 1928, 1930.  
B. A., Dartmouth; M. A., Chicago; M. A., Wisconsin; Ph. D., Yale.



EARL L. THOMPSON, Associate Professor of Mathematics, 1928, 1931.

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

AGNES ANN TRUE, Associate Professor of Education and Psychology, 1934.

B. A., M. A., Michigan.

MAYME LUCINDA TWYFORD, Associate Professor of Foods and Nutrition, 1928.

B. S., West Virginia; M. A., Columbia.

\*FRANCES WHATLEY, Associate Professor of Spanish, 1925.

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

\*\*GEORGE W. WOODBURY, Associate Professor of Horticulture, 1931.

B. S., M. S., Michigan State College.

#### ASSISTANT PROFESSORS

JAMES G. ALLEN, Assistant Professor of English, 1927, 1931.

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

\*\*HERSHEL McDONALD BELL, Assistant Professor of Agronomy, 1927, 1932.

B. S., New Mexico College of Agriculture and Mechanic Arts.

EUGENE CLAY BUIE, Assistant Professor of Agricultural Engineering, 1934.

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

EDNA WALKER BUSTER, Assistant Professor of Clothing and Textiles, 1927, 1930.

B. S., College of Industrial Arts; M. A., Columbia.

HARRY M. CRAIN, Assistant Professor of Journalism and Superintendent of Tech Press, 1934, 1935.

B. A., Bethel; M. A., Texas Technological College.

GEORGIA WILSON DINGUS, Assistant Professor of Latin, 1929, 1931.

B. A., Texas; M. A., Texas Technological College.

EUNICE JOINER GATES, Assistant Professor of Spanish, 1925, 1931.

B. A., M. A., Southwestern; M. A., Michigan; Ph. D., Pennsylvania.

JOHN COYNE HARDGRAVE, Assistant Professor of Mechanical Engineering, 1926, 1933.

ELLIS RICHARD HEINEMAN, Assistant Professor of Mathematics, 1928, 1930.

B. A., M. A., Wisconsin.

CLAUDE E. HOPE, Assistant Professor of Agronomy, 1935.

B. S., Texas Technological College.

CECIL HORNE, Assistant Professor of English and Journalism and Head of Information Bureau, 1926, 1929.

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

J. W. JACKSON, Assistant Professor of Government, 1929, 1935.

B. A., M. A., Texas Technological College.

LONNIE LANGSTON, Assistant Professor of Mathematics, 1928, 1930.

B. A., Furman; M. A., South Carolina.

\* Leave of absence, 1934-35.

\*\* Resigned, 1935.

ROBERT IVAN LOCKARD, Assistant Professor of Architecture and Allied Arts, 1935.

B. S. in Arch., M. S. in Arch., Kansas State College of Agriculture and Applied Science.

GORDON WIGHT PARKHILL, Assistant Professor of Civil Engineering, 1932, 1935.

B. S. in C. E., Agricultural and Mechanical College of Texas.

\*MART G. PEDERSON, Assistant Professor of Dairy Manufactures, 1932, 1935.

B. S., Texas Technological College.

CONNER COLUMBUS PERRYMAN, Assistant Professor of Engineering Drawing and Industrial Education, 1929, 1935.

B. S., North Texas State Teachers College.

ZELLA E. RIEGEL, Assistant Professor of Physical Education for Women, 1928.

B. A., Central College.

TRENT CAMPBELL ROOT, Assistant Professor of Economics and Business Administration, 1932.

B. A., Baylor; M. B. A., Harvard.

RAYMOND GILBERT SIDWELL, Assistant Professor of Geology, 1928.

B. A., M. A., Ph. D., Iowa.

WILLIAM MACKEY SLAGLE, Assistant Professor of Chemistry, 1926, 1928.

B. A., Southwestern; M. A., Texas.

WILLIAM EZRA STREET, Assistant Professor of Engineering Drawing and Industrial Education, 1928, 1934.

B. S. in E. E., M. A., Texas Technological College.

ALFRED BELL STREHLI, Assistant Professor of Foreign Languages, 1928.

B. A., B. S., M. A., Ohio.

DEWEY O. WILEY, Assistant Professor of Music and Director of Band, 1934.

B. Mus., Simmons; Pupil of Carl Venth, E. Clyde Whitlock, Jacques Gordon.

#### INSTRUCTORS AND ASSISTANTS

LOUISE CRAWFORD ALLEN, Instructor in Journalism and Assistant in Information Office, 1927.

B. A., Southern Methodist University.

MARGARET BRASHEARS ATKINSON, Part-time Instructor in Engineering Drawing, 1934.

ARCHIE J. BAHM, Instructor in Philosophy and Sociology, 1934.

B. A., Albion; M. A., Ph. D., Michigan.

\*\*MARY FRANCES BENGE, Part-time Instructor in Spanish, 1935.

Ph. B., B. Mus., Baylor; M. A., Ph. D., National University of Mexico.

ROBERT EDWARD BRITTAIN, Instructor in English, 1934.

B. A., Oklahoma; M. A., Ph. D., Princeton.

LLOYD C. CHRISTIANSON, Instructor in Mathematics, 1928, 1931.

B. A., Westminster; M. A., Missouri.

\* Leave of absence, spring semester, 1934-35.

\*\* 1934-35.

- \*\*ROGER CLAPP**, Instructor in Mechanical Engineering, 1934.  
B. S. in M. E., Texas Technological College.
- GERALDINE CLEWELL**, Instructor in Home Economics Education, 1935.  
B. S., Texas Technological College.
- FRANCIS CONNOR COOK**, Instructor in French, 1933.  
B. A., M. A., Texas.
- DONALD WICKWARE DOUGLASS**, Instructor in Zoology, 1934.  
B. A., Grinnell College; M. A., Ph. D., Michigan.
- CHARLES CHRISTOPHER GALBRAITH**, Instructor in Chemistry, 1929-33,  
1934.  
B. S., Trinity University.
- LUCILLE AVO POWELL GILL**, Instructor in English, 1926.  
B. A., M. A., Texas.
- ELIZABETH E. HAWLEY**, Instructor in Applied Arts, 1934.  
B. A., Oberlin College; M. A., Columbia.
- \*\*\*CARRIE HODGES**, Instructor in Foods and Nutrition, 1933.  
B. A., Rice; B. S., Stephen F. Austin State Teachers College; M. S.,  
Iowa State College.
- FLOY F. HOOPER**, Part-time Instructor in Architecture and Allied Arts,  
1935.  
B. A., Chicago Art Institute.
- RUTH HORN**, Instructor in English, 1932, 1933.  
B. A., M. A., Texas Technological College.
- EDNA N. HOUGHTON**, Instructor in Architecture and Allied Arts, 1932,  
1933.  
B. S. in A. E., Texas Technological College.
- RALPH ELTON LEWIS**, Instructor in Mechanical Engineering, 1931.  
B. S. in M. E., Iowa; M. S. in M. E., Illinois.
- JOSEPHINE LOONEY**, Instructor in Clothing and Textiles, 1933.  
B. S., Minnesota; M. A., Columbia.
- HULDA WILD MARSHALL**, Instructor in Chemistry, 1925.  
B. A., Texas; M. A., Texas Technological College.
- \*RALPH R. MARTIG**, Instructor in History, 1934.  
B. A., M. A., Oregon; Ph. D., Illinois.
- \*HARRY WARREN MOUNTJOY**, Instructor in English, 1934.  
B. A., M. A., Dickinson; Ph. D., Pennsylvania.
- ARTHUR PRICHARD**, Creamery Superintendent and Instructor in Dairy  
Manufactures, 1933, 1934.  
B. S., Iowa State College.
- PAUL KLIEN REES**, Instructor in Mathematics, 1926-28, 1934.  
B. A., Southwestern; M. A., Texas; Ph. D., Rice.
- JESSE Q. SEALEY**, Instructor in Biology, 1928.  
B. A., M. A., Texas.

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\* 1934-35.

\*\* Fall semester, 1934-35.

\*\*\* Leave of absence, 1935-36.

GUSSIE LEE TEAGUE, Instructor in English, 1926.

B. A., Oklahoma; M. A., Colorado.

**\*\*MARY DOLLY WALKER**, Instructor in Clothing and Textiles, 1934.

B. S., College of Industrial Arts; M. A., Columbia.

MAMIE WOLFFARTH, Instructor in Typewriting and Stenography, 1928, 1930.

B. A., M. A., Texas Technological College.

**\*\*THORNTON CECIL WORLEY**, Instructor in Mechanical Engineering, 1935.

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

#### DEPARTMENT OF EXTENSION

JULIUS F. McDONALD, Director of Extension, 1926.

B. A., Baylor; B. A., Yale; M. A., Chicago.

#### INSTRUCTORS IN SPECIAL DEPARTMENTS

(Available to students, but not paid from College funds)

#### INSTRUCTORS IN MUSIC

H. A. ANDERSON, Clarinet and Reeds.

B. A.; M. A.; Director Lubbock High School Band.

FLORA BRIGGS BLITZ, Piano Accompaniment.

Pupil of Marcian Thalberg, Cincinnati Conservatory; John Steinfeldt, San Antonio College of Music.

JULIEN PAUL BLITZ, Violoncello, Bowed Instruments.

Laureate cum Laude, Royal Conservatory, Ghent, Belgium; Professor and Head Department of Music, Texas Technological College.

BEULAH DUNN, Violin, Bowed Instruments.

B. Mus., Chicago Musical College; Pupil of Max Fischel, Samuel Gardner, Rudolph Ganz, Andrea Ulbrich, and Ottakar Sevcik.

MYRTLE DUNN, Voice and Piano.

B. Mus., Chicago Musical College; Pupil of Herbert Witherspoon, Graham Reed, and Frank Webster, in voice; guest teacher, Chicago Musical College, summers of 1929, 1930, and 1931; pupil of Emil Liebling, Lillian Powers, and Alexander Raab, in piano.

ESTELLE GEORGE, Piano.

B. Mus., Cincinnati Conservatory.

LYNN GRAY GORDON, French Horn, Brass Instruments.

B. A.; Director of Lubbock Junior High School Band.

MARGARET JOHNSON HUFF, Piano, Organ, Voice.

B. Mus., American Conservatory; Pupil of Lucile Tewksbury, and Alice Moncrief, in voice; Charles W. Landon, Mrs. J. M. Cassidy, and Mann of Egypt, in organ.

FRANCES VIARS RIX, Piano and Voice.

Pupil of Harold von Mickwitz, Georg Kruger, Percy Grainger, Rudolph Ganz, Chicago Musical College, in piano; pupil of Oscar Seagle, New York; Herbert Witherspoon, Chicago Musical College, in voice.

DEWEY O. WILEY, Violin.

B. Mus., Simmons University; pupil of Carl Venth, E. Clyde Whitlock, Jacques Gordon; Assistant Professor of Music and Director of Band, Texas Technological College.

#### INSTRUCTOR IN BIBLICAL LITERATURE

WILLIAM FRANCIS FRY, Biblical Literature, under the auspices of the Baptist General Convention of Texas.

B. A., M. A., Wake Forest; D. D., Simmons University.

#### LIBRARY STAFF

ELIZABETH HOWARD WEST, Librarian, 1925.

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

EMMA LILLIAN MAIN, Assistant Librarian, 1926.

B. A., North Texas State Teachers College.

OLIVE PRICE HOLDEN, Instructor in Freshman Orientation, Instructor in the Use of the Library in Research, and Research Assistant in the Library, 1929, 1931.

B. A. Texas; M. A., Texas Technological College.

LULU STINE, Cataloger, 1930.

B. A., Texas.

\*ROYCE LYMAN THOMPSON, Reference Librarian, 1935.

B. S., in L. S., Peabody.

#### DORMITORY STAFF

MOZELLE EUGENIA CRADDOCK, Manager and Dietitian of the Dormitories; Professor and Head Department of Institutional Management, 1934.

B. S., Texas; M. A., Chicago.

KATHERINE ELIZABETH FRY, Assistant Business Manager and Dietitian of the Dormitories, 1934.

B. S., College of Industrial Arts.

BENNIE M. BUFORD, Social Director of the Men's Dormitory, 1934.

ELIZABETH YOUNG, Social Director of the Women's Dormitory, 1934.

#### OTHER EMPLOYEES

BESS BOVERIE, Credentials Clerk in Registrar's Office, 1927, 1930.

HUBERT L. BURGESS, Bookkeeper and Assistant Cashier, 1934.

FLOSSIE BURKHOLDER, Secretary to the Business Manager, 1932.

ELEANOR M. CHITWOOD, Assistant to the Dean of Women, 1927.

FLORENCE EVELYN CLEWELL, Assistant Registrar, 1929, 1933.

MARY JO COLE, Secretary to the Purchasing Agent, 1928.

WILLIAM CONNER COLE, Manager of the College Bookstore, 1927.

GEORGINA CONNER, Secretary to the Dean of Engineering, 1931, 1932.

RUTH MAY CRAIG, Chief Clerk in Registrar's Office, 1929.

SETH THOMAS CUMMINGS, Purchasing Agent, 1927.

\* Resigned, 1935.

OPHELIA STEELE ELLIS, Cashier, 1926, 1928.

ELLIS FOREMAN, Assistant in Bookstore, 1934.

ANNA BURT GIBSON, Secretary to the Dean of Home Economics, 1933.

JAMES H. GRIMSLEY, Superintendent of Buildings and Grounds, 1928.

PEARL HARRISON, Secretary to the President, 1927, 1928.

HORTENSE HICKS, Secretary in the Business Office, 1934.

GUS WOOD McCLEARY, Chief Bookkeeper, 1931.

RAY MOORE, Assistant in Information Office, 1934.

JAMES HENRY MORGAN, Sales Manager of Bookstore, 1931.

JUANITA POOL, Secretary to the Dean of Agriculture, 1927.

PHYLLIS POOL, Secretary, Departments of Athletics and Animal Husbandry, 1934.

ALICE MUSE ROGERS, Secretary to the Dean of Arts and Sciences, 1931, 1932.

CHARLES B. SHORTER, Assistant to the President, 1934.

DOROTHY JANE RYLANDER, Librarian of Engineering Division and Secretary to Engineering Faculty, 1932.

JOHN KINSMAN WHERRY, Superintendent of Farms, 1932.

SYLVA WILSON, Secretary to the Dean of Women, 1928.

## FACULTY COMMITTEES

(The President is ex-officio a member of all committees.)

The College Administrative Council: The President, the Deans, the Registrar and the Business Manager. The Administrative Council has charge of general matters of scholarship, courses of study, discipline, admission, etc.

1. Daily Schedule: Schmidt, Ellsworth, Murdough, Erwin, Fowler, Underwood, J. W. Jackson.
2. Registration: Clement, Godeke, Condray, Russel, Buster.
3. Housing for Men: Horne, Gates, Hardgrave, McKay.
4. Student Help: Horne, Smallwood, McRee, Mast, Mowery, McJimsey.
5. Entrance Examinations: Sparks, Parkhill, Twyford, Sidwell.
6. Social Activities: Doak, Weeks, Cunningham, Mowery, Allen, Doughtie.
7. Student Publications: Mills, Horne, Harbaugh, Johnson, Crain, and an equal number of students appointed by the Student Council.
8. Scholarship Awards: Patton, McCreery, Harbaugh, Brandt, Michie.
9. Student Religious Life: Dingus, McCreery, Renner, Bullen.
10. General Catalogue: Leidigh, Gordon, Adams, Weeks, Clement.
11. Artist Course: Mills, Murphy, Murdough, Blitz, Johnson, Pirtle, and an equal number of students appointed by the Student Council.
12. Summer School: Gordon, Adams, Leidigh, Weeks, Evans.
13. Discipline, Men: Gordon, Leidigh, Adams.
14. Discipline, Women: Doak, Weeks, Pirtle.
15. Athletic Council: Stangel, Jackson, Condray, Godeke, Cawthon, Smith Jackson (Alumni Representative), Katrola (Student Representative).
16. Military Affairs: Condray, George, Horne, Heard, Harbaugh.
17. Extension: Gordon, Leidigh, Adams, Weeks, Jackson, Evans.
18. Graduate Studies: Jackson, Ellsworth, Murdough, Erwin, Goodwin, Clement, and the Dean of the Division in which major subject is taken.
19. The Committee on Advanced Standing in each Division consists of the Dean of the Division, the Registrar of the College, and the Head of the Department or Departments in which the major work is to be taken.
20. The Faculty Advisers in each Division will be appointed by the Dean. Automatically the Head of the Department is the Faculty Adviser for students majoring in his department. Each Dean may appoint from his faculty, special Advisers for freshmen.

## FOREWORD

BY PRESIDENT BRADFORD KNAPP

The task of selecting your college course at any college or university is a difficult one. In common with other educational institutions, this college publishes a catalogue. Such a publication presents so much material and so varied a program that the parents, new students in particular, and persons generally have difficulty in knowing how to select a course of study. The purpose of this Foreword is to assist the reader in knowing what is presented in the college and how to select your course of study.

**Vocation.** The first task you have is to determine, if possible, what you intend to do in the world. Your course of study in college ought to be closely related to the choice of your occupation. This will depend upon your own inclinations, your desires, your aptitude, and your attitude toward certain studies. Remember always that there is a place for the man or woman who is well trained in any vocation. A little later in this Foreword, I shall outline what I conceive to be the fundamentals of a good education. **Read these before you make your selection.**

The Texas Technological College offers a wide range of opportunities for selecting work of a technical character.

In the Division of Agriculture will be found courses which fit one to become a farmer, ranchman, livestock raiser, dairyman, dairy manufacturer, horticulturist, landscape architect, florist, a scientist in any of the lines associated with agriculture, agricultural extension worker, agricultural teacher, agricultural economist, agricultural leader, or to fill any one of the many positions in connection with the problems of production and distribution of agricultural products. It should be mentioned here that the merchant or the banker, who is expecting to operate in a country where agriculture is the basic industry, would be better equipped for his work by taking either an agricultural course with a major in agricultural economics, or by adding agricultural economics to a major in business administration.

In Engineering, the Texas Technological College presents courses which fit the student for the profession of an architect, architectural engineer, civil engineer, chemical engineer, commercial artist, electrical engineer, geological engineer, mechanical engineer, industrial engineer, textile engineer, textile chemist, textile designer, or specialist in other textile lines in draftsmanship or in engineering drawing. These lead to opportunities in construction and manufacturing, both large and small.

In Home Economics the training fits one for the greatest of all professions—that of rearing a family and managing a home, including problems of clothing the family, and the science of feeding the human race. In addition, students receive instruction which prepares them for such positions as: dietitians, managers of cafeterias, buyers and specialists in dry goods and foods establishments, teachers of home economics, and home demonstration agents.

In the general division known as the Division of Arts and Sciences, the College presents courses for men and women who expect to follow business pursuits as merchants, bankers, insurance agents, and many other business callings. The College has courses for the training of teachers, especially high school teachers, in any of the subjects taught at this institution. School princi-



pals and superintendents are especially provided for in the Department of Education. It is possible for one to become a specialist in chemistry, physics, geology, biology, bacteriology, or any one of the social sciences.

The College also furnishes a general college course, where no special vocation has been selected, by giving the student fundamental courses which may be used later as the foundation for some special line of work, such as law or medicine.

**Stick to your course.** When you have selected a course or vocation, remember that trained and experienced educators have set up the necessary studies you should take to fit yourself for your life work. Therefore, it is wise for you to take the course as it is outlined. Advisers have been appointed from the faculty, mainly consisting of the deans and heads of departments, who will be glad to counsel with you in the selection of your course. **Take your requirements as they come**, because every step in your course will lead to the proper understanding of more advanced courses. All through this catalogue you will find "prerequisites" mentioned. A "prerequisite" is a course which you are required to take before you can take a more advanced course in any subject. Do not attempt to take a more advanced course unless you have completed the prerequisite.

A college course has an orderly, progressive sequence from start to finish. Freshmen should take freshman subjects; sophomores, sophomore subjects; juniors, junior subjects; and seniors, senior subjects. Follow your outline.

**Do not dodge courses because they are difficult.** Your whole future may depend upon your taking and mastering a subject which seems difficult to you, but which is especially necessary if you are to be trained properly, and which you will learn to master as your course proceeds. Do not skip around and hunt for easy courses.

**A guide to a well-rounded education follows.** In studying this catalogue, we believe it will be well if you keep in mind certain fundamental principles which will give breadth and scope to your college education. These elements enter into every course offered in this institution and unless you take advantage of all of them, you cannot obtain the full advantage of a complete college education. These elements constitute a broad type of education which will fit one for useful service in life. They are as follows:

First. You should obtain skill and knowledge in the use of the English language, not only because this is the outstanding mark of an educated person, but because it is the first and most important means of communicating ideas to others and understanding what others may write or say. No one can master a college or university course without knowing his own language.

Second. You should obtain a good knowledge of the history of our civilization in order that you may know through what experiences the human race has arrived at its present state of development and whence came the thoughts and ideals of our present time.

Third. You should acquire a thorough understanding of our government, how it is organized and how it functions, not only in the Nation and State, but in the locality. This is necessary in order that you may understand the responsibilities and obligations of citizenship and be prepared to exercise leadership as a citizen.

Fourth. You should receive training in the fundamentals of economics and sociology. We live in an economic age wherein every one should understand the laws of economics and how these laws and forces operate in an organized society. No college man or woman should be graduated in these

days without a knowledge of these subjects for the reason that every one's life will be influenced greatly by economic and social forces.

Fifth. You should be prepared for life with some knowledge of health, hygiene, foods, nutrition, diseases and their preventions. The world has made great advancement along these lines, but the importance of them needs to be emphasized more widely.

Sixth. Not every course should be taken for its pure utilitarian value. There is a broad culture in literature, the languages, history, the sciences, engineering, agriculture, or home economics, but special effort should be put forth for development of the esthetic side of your nature. You should avail yourself of every opportunity to acquire this training in your college course through knowledge and appreciation of art, literature, languages, and the esthetic side of life. They will enable you to enjoy many of the things with which you come in contact throughout your life and will contribute to your happiness.

Seventh. In addition to all these, you should definitely train yourself for a life work in some technical or professional line which will fit you to perform a real service in an organized society. After college days are over, you are going to face a highly organized and complex civilization, with many opportunities for employment in a world where many different lines of service are open to those who are fitted to perform them well. We cannot all be teachers or lawyers or doctors—some must be farmers, scientists, engineers, technicians, business men, artists, builders, public officers, and even statesmen.

In all your college work, do not neglect to train all sides of your complex personality. Build your character while you are in college. Increase your respect for moral responsibility, your love of truth, your honesty of purpose. Develop a tolerant attitude toward others. Train yourself to be appreciative and cultivate your reverence for the finer spiritual side of life.

The Texas Technological College offers you a golden opportunity. However, the College cannot give you an education—you must come and fit yourself into college life, open your mind to receive instruction, cooperate fully with the teachers in the task of developing your own ability, not only to acquire knowledge, but to learn to think honestly and conscientiously, to reason, to know, to understand, and to create. Be a seeker for the truth and, above all, develop your common sense so that when you have finished college you will not only be educated, but well-balanced and thus able to take your place in a busy world to perform a real service.

## GENERAL INFORMATION

The Texas Technological College at Lubbock was organized by authority of an act of the Thirty-Eighth Legislature of the State of Texas passed in 1923. This act authorized the establishing of a college west of the ninety-eighth (98th) meridian and north of the twenty-ninth (29th) parallel, which should be a coeducational college of the first-class, giving thorough instruction in technology, manufacturing, engineering branches, agriculture, home economics and also complete courses in "arts and sciences, physical, social, political, pure and applied, such as are taught in colleges of the first-class leading to the degrees of Bachelor of Science, Bachelor of Arts, Bachelor of Literature, Bachelor of Technology, and any and all other degrees given by colleges of the first-class."

Pursuant to this act of the Legislature, the Texas Technological College was located at Lubbock, Texas, its buildings erected, and its doors opened to students for the first time on September 30, 1925.

From an enrollment of 1,379 students the first year, the attendance has increased to over 5,633 students annually of all classifications. Practically all of these students are residents of Texas.

### LOCATION

The College is located on the South Plains area of the State of Texas, approximately two hundred miles from the northern line of the Panhandle and more than three hundred miles northwest of the State Capitol. The elevation is 3,200 feet above sea level. Lubbock is in the midst of one of the richest and finest farming sections of the State of Texas. Lubbock County was the second largest cotton producing county in Texas in the year 1932. In addition, this entire territory is a great livestock country with extensive feeding of beef cattle, sheep, hogs, and a considerable dairy and poultry industry rapidly developing.

Lubbock is located on two railroad systems, the Fort Worth and Denver City and the Santa Fe, giving it excellent connections and good time schedules to most parts of the State. The State and National system of hard surfaced highways connects Lubbock with all sections. Bus transportation is available in every direction.

The territory in which the College is located has grown in population slightly more than one hundred per cent in the last ten years. The City of Lubbock has grown very rapidly. At the present time it has a population of approximately 23,500 exclusive of college students. The city is well supplied with pure water, a sewer system, modern hotels, splendid hospitals, and excellent churches. The public school system of Lubbock is one of the most progressive in the State of Texas and is supplied with adequate school houses and a capable teaching staff. These facts are of interest to parents who may wish to come to Lubbock with a family of children and who may wish to know of the full educational advantages of this section. The climate is typical of the South Plains area with its relatively high altitude, cool nights, abundant sunshine, and healthful conditions. There are very few insect pests and no mosquitoes—therefore, a total absence of malaria.

### BUILDINGS AND GROUNDS

The Texas Technological College is supplied with modern buildings on an extensive campus with a large farm, all on one great body of land, located just at the western edge of the City of Lubbock. The campus comprises ap-

proximately 320 acres, leaving 1,688 acres of excellent farm land for the use of the Division of Agriculture of the College.

The plans for the physical development of the institution were carefully drawn and approved by its Board of Directors so as to promote orderly and careful building as the College grows and as the territory which it serves increases in population. The architecture is of the Spanish Renaissance.

The following are the principal buildings on the campus:

**Administration Building**, located at the south side of the main quadrangle of the campus, facing north; 60 by 300 feet, three stories in height; constructed of brick, with stone trimmings, tile roof, attractive towers at the east and west ends. At present there are located in this building the administrative offices of the College including those of the President, Business Manager, and the Registrar, other business offices, Office of the Dean of Women, Office of the Dean of the Division of Arts and Sciences, the College Library, departmental offices, and classrooms of the Division of Arts and Sciences.

**Engineering Building**, located on the west side of the main quadrangle of the campus, facing east; a two-story building of brick and stone with floor space of approximately 52,000 square feet; modern and excellently equipped. In this building are located the Office of the Dean of the Division of Engineering, offices of Engineering faculty members, laboratories, classrooms, a large lecture room, drafting rooms, Engineering Library, and equipment consisting of approximately \$70,000 worth of machinery, apparatus, scientific instruments, and other equipment.

**Textile Engineering Building**, located at the north end of the main quadrangle, facing south; approximately 65 by 220 feet, two stories in height. It contains the offices, classrooms, laboratories, and machine rooms of the Department of Textile Engineering. The textile equipment is modern, consisting of all the necessary machinery for spinning, weaving, dyeing, and finishing cotton, wool, silk, and rayon on an institutional or instructional basis, and the necessary scientific apparatus for the various tests of these substances. All machinery is electrically driven.

**Chemistry Building**, located west and north of the Administration Building, facing north; a three-story building, 60 by 232 feet, with one wing extending back 40 feet. Although designed originally as the Chemistry Building, at the present time it houses the Departments of Chemistry, Biology, and Physics. It is adequately supplied with offices, classrooms, and laboratories well equipped with scientific apparatus.

**Agricultural Buildings**, located southwest of the Administration Building. The Agricultural Building is a one-story, temporary office and classroom building, erected in 1927. In it are located the Offices of the Dean and those of the members of the Agricultural faculty, and classrooms and laboratories for a part of the Division of Agriculture. Near the building is located the Stock Judging Pavilion, erected in 1925. This is a tile and stucco building containing a large arena with tiers of seats. Part of the building is used for classroom purposes, part for offices, and part for stock judging and as a place for large group assemblies, including farmers' meetings and meetings of visiting organizations.

**Home Economics Building**, located east of the Administration Building; 40 by 80 feet, two stories in height. The present building, representing only a portion of the ultimate plans for the Division of Home Economics, now contains the offices, classrooms, and laboratories for the Division of Home Economics.

**Home Management House**, a brick residence, two stories high, completely furnished and used as a laboratory for students in home management. It also serves as a social center for activities in the Division of Home Economics.

**Gymnasium**, erected in 1926; a temporary frame structure with tile and stucco walls. It is used not only as a gymnasium, but as a general meeting place for students, and is the only building on the campus which will seat the student body and faculty. It contains offices, locker rooms, shower baths for physical education and athletics, and a playing floor, 50 by 90 feet, for basketball, gymnastics, and physical education. The seating capacity around the playing floor is approximately 1,400. When the floor is fully seated at convocations and other gatherings, the building will accommodate 2,400.

**Mechanical Engineering Shop Building**, located north of the Textile Building; a one-story building of tile and stucco, 50 by 100 feet, containing pattern shops, wood shops, machine shops, foundry, sheet-metal shop, and other shops for the work of the Department of Mechanical Engineering.

**Heating Plant**, erected in 1925 and enlarged in 1931; located north of the Textile Building. It supplies heat, water, and power for the entire campus.

**Farm Buildings**. Among the facilities used by the Division of Agriculture are the Greenhouse, 25 by 75 feet, with an independent heating plant, and used for laboratory work in horticulture and propagation; and the Dairy Barn, erected in 1925, with stanchions for forty cows, dressing rooms, feed rooms, and the milk house with refrigeration. On the farm are also frame structures for housing livestock, and residences for the chief herdsmen who have charge of the livestock.

**Bookstore**, located southeast of the Administration Building. The Bookstore is operated by the College for the purpose of supplying students with books, stationery, and other necessary supplies.

**Residence Halls**. A residence hall for women and a residence hall for men occupy attractive locations on each side of the main entrance drive of the campus. Each of these buildings is three stories in height, constructed of brick and stone, fire-proof and of attractive design. Each of these halls is built in the form of a letter E, the front section and two wings being used for student rooms and the central wing for dining room, kitchen, service rooms and for an attractive and excellently furnished lounge which serves as the social center of the student life of the residence or dormitory. The student rooms are well furnished, each student having a separate closet adequate for clothing and also to hold the roll-a-way bed when not in use. Within each room is a lavatory with hot and cold water. The polished floors are covered with a nine by twelve rug. A double study table with individual study lamps, chairs, and a dresser or chest of drawers complete the room furniture. Board and room is furnished to students in these residence halls at very modest prices. Each of these buildings will house 320 students. They have become the center of student social life on the campus. The college and its friends are proud of these beautiful new buildings constructed in 1934 under a loan and grant from the Public Works Administration.

## FACILITIES

The College is provided with a system of sewer; a pressure water distributing system supplied from its own well, water tower and mains; a permanent lighting system; complete gas lines for the distribution of natural gas; and a complete series of electric circuits and telephone conduits. Heating tunnels of permanent construction connect the principal buildings with the power plant and contain the various distributing systems.

## CAMPUS AND GROUNDS

The campus is permanently planned with a definite system of driveways and parking places, lawns, landscaping about the buildings, and a general plan of beautification. Interest is taken in the growing of trees on the campus. All of the trees are young, but with care the College expects ultimately to have an attractive campus.

## COLLEGE FARM

Of the College property, comprising approximately 2,008 acres, practically 1,688 acres lie west of the main campus and are used by the Division of Agriculture as a farm upon which to grow feed crops, cotton, forage crops, vegetables, and other crops necessary to supply the livestock with feed and to illustrate to students the various crops grown in this area. There are excellent herds of beef cattle, dairy cattle, horses, sheep, swine and poultry. All the farm is used in the practical educational work of the College. On the farm are pastures, barns, silos, and other equipment of the type and character to best illustrate the agriculture of this section.

## ORGANIZATION

The government, control, and direction of the policies of the College are vested in a board of nine directors appointed by the Governor and approved by the Senate, each for a term of six years. The full list of the Board of Directors may be found on a page at the beginning of this Bulletin.

## ADMINISTRATION

The administrative direction of the affairs of the College is in the hands of the President of the College, appointed by the Board of Directors, acting as the executive officer of the College. The College Administrative Council, faculty committees, divisional faculties, and general faculty have their special provinces in the handling of institutional matters.

## DIVISIONAL ORGANIZATION

The College is divided into administrative divisions and departments of instruction, all closely correlated and interdependent. These divisions are as follows:

### **I. The Administration Division:**

1. President
2. Registrar
3. Librarian
4. Business Manager
5. Purchasing Agent
6. Head of Information Bureau
7. Dean of Women

### **II. The Division of Agriculture:**

1. Department of Agricultural Economics and Farm Management
2. Department of Animal Husbandry
3. Department of Dairy Manufactures
4. Department of Plant Industry (covering field crops, soils, horticulture, agricultural engineering and machinery, and genetics)
5. Teacher Training in Vocational Agriculture

**III. The Division of Engineering:**

1. Department of Architecture and Allied Arts
  2. Department of Chemical Engineering
  3. Department of Civil Engineering
  4. Department of Electrical Engineering
  5. Department of Geological Engineering
  6. Department of Industrial Engineering, Engineering Drawing, and Industrial Education
  7. Department of Mechanical Engineering
  8. Department of Textile Engineering
- (Chemical Engineering and Geological Engineering are associated with the subject matter departments in the Division of Arts and Sciences.)

**IV. The Division of Home Economics:**

1. Department of Applied Arts
2. Department of Clothing and Textiles
3. Department of Foods and Nutrition
4. Department of Home Management
5. Department of Home Economics Education

**V. The Division of Arts and Sciences:**

1. Department of Biology
2. Department of Chemistry and Chemical Engineering
3. Department of Economics and Business Administration
4. Department of Education and Psychology
5. Department of English
6. Department of Foreign Languages (French, German, Latin, and Spanish)
7. Department of Geology and Geological Engineering
8. Department of Government
9. Department of History and Anthropology
10. Department of Mathematics
11. Department of Military Science
12. Department of Music
13. Department of Physics
14. Department of Physical Education
15. Department of Sociology and Philosophy
16. Department of Speech

**VI. The Division of Extension:**

1. Extension Classes
2. Correspondence Study
3. General Extension

**VII. The Division of Plant Operation:**

1. Heat, Light, Water, and Power
2. Repairs
3. Janitor Service
4. Campus Maintenance

**LIBRARY**

The Library contains 46,107 catalogued volumes, and in addition some 20,000 uncatalogued pieces, comprising manuscripts, maps and pamphlets.

In gathering this material, emphasis has been laid on acquiring the nucleus of a basic reference collection. A substantial beginning has been made in the acquisition of a number of general encyclopedias, English and foreign, among which the *Encyclopedia Universal Ilustrada Europeo-Americana* is outstanding in its general usefulness; special encyclopedias, notable among which are the *Encyclopedia of the Social Sciences*, and the *Dictionary of American Biography*; dictionaries, English and foreign, notably the *Oxford*



**Dictionary**; atlases; English and foreign literature texts; treatises on subjects taught in the College; indexes; magazines, of general and special interest, current and back numbers, many of which are bound; the nucleus of a fair working collection of Federal and State documents, especially of Texas.

Two growing collections—Texas history, Indian life and history—are of especial importance for present and future students. Both comprise secondary and source material. Outstanding source material in the Texas collection comprises miscellaneous papers connected with the estate of James Bowie, the gift of the Honorable Arthur Duggan, Littlefield, Texas; a collection of records of the Matador Land and Cattle Company, the gift of Mr. Riley, Superintendent of the Company; and a collection of records of the Spur Ranch, the gift of Mr. Clifford B. Jones, President of the Board of Directors. Through the courtesy of the State and University libraries, copies will be made for the Library of a small collection of papers connected with the Castro Colony, deposited in the Library by Mrs. Richard Holdsworth, Kerrville, Texas. The acquisition of source material for the Indian collection has been begun with transcripts, made by F. E. R. A. workers, of manuscript material bearing upon Indian trade in the late eighteenth and early nineteenth centuries, lent to the Library by the Florida Historical Society to be edited by the librarian for the **Florida Historical Quarterly**.

In the field of bibliography, general and professional, a beginning has been made. In this section the acquisition of most far-reaching importance is the revised edition of the British Museum **General Catalogue of Printed Books**, now in progress.

On the periodical racks and stack shelves are about three hundred general and special magazines and fifteen newspapers, some acquired by gift, some by purchase. The Wilson indexes, the **New York Times Index**, the **Dallas News** from 1905 to date, and a complete file of the **United States Daily** and its successor, the **United States News**, including the bound rag paper edition, form an especially important part of the periodical equipment.

Through the good offices of the Honorable George Mahon, the representative in Congress of the newly created nineteenth congressional district, the Library has recently been designated as a depository for all Federal documents. It is also a designed depository of the Carnegie Endowment of International Peace, whose gifts are going far in building up the International Law section, and of the Carnegie Institution of Washington, whose gifts are adding valuable material, especially in science and history.

The Library, in addition to its service to students and faculty members, lends books to individuals and study groups in Lubbock and neighboring communities.

#### PLAINS MUSEUM SOCIETY

The object of the Plains Museum Society, organized during 1929, is to foster, increase, and diffuse among the people of this section of the State a knowledge and appreciation of history, science and art. Membership is open to any person actively interested in the work of the Society. A good beginning has been made in collecting objects of scientific, historic, and artistic value. These are being held by the College and in part exhibited by several of the Departments.

#### THE COLLEGE BOOKSTORE

The College Bookstore, a self-sustaining enterprise of the institution, is owned and operated on the campus by the College. It is maintained to enable students to purchase text books, books for extension courses, supplies,



and other equipment needed for laboratory and class work. It also carries, for the convenience of students, an assortment of stationery and other supplies.

A lunch counter is maintained by the Bookstore, serving light lunches, sandwiches, drinks and pastries, for the convenience of both students and faculty members, because of the distance of the College from town.

The Bookstore also handles secondhand books, purchasing them at the end of the year from students who desire to dispose of such books. It gives prompt service on book orders. A complete book catalogue service available to every one is maintained.

### ATHLETICS

As a part of the physical education work the College fosters and promotes games and contests between different groups of students in intramural athletics. A part of a college education is to learn how to take care of the physical needs by healthful exercise and the art of playing games of various kinds.

The College fosters also intercollegiate athletic contests which are carefully supervised and under the direct charge of a faculty committee known as the Athletic Council. It provides a coaching staff of men and women trained in the art of coaching and supervising the physical training of the student body. It has athletic grounds, football field, track, tennis courts, gymnasium and equipment for football, basketball, tennis and track. Every effort is made to promote the highest ideals of sportsmanship.

The Texas Technological College is a member of the Border Intercollegiate Athletic Conference. Other institutions holding membership in this conference are: The University of Arizona; the University of New Mexico; the New Mexico College of Agriculture and Mechanic Arts; the Arizona State Teachers College; and the Tempe State Teachers College of Arizona.

### THE ALUMNI AND EX-STUDENTS ASSOCIATION

The Alumni and Ex-Students Association of the Texas Technological College was organized in 1927, immediately after the commencement exercises for the first graduating class. At the annual meeting in 1934, the Association became the Alumni and Ex-Students Association. At the present time the institution has 1799 graduates. All graduates and ex-students are urged to be members of the Alumni and Ex-Students Association. The Association holds two rallies each year—one at Home-Coming Day in the fall of the year and the other at commencement time in the spring.

November 9, 10, 11, 1935 will be the date of Texas Technological College's Decennial Celebration. All graduates and ex-students are urged to come and bring their families. A program is planned to entertain everyone during the time. The celebration will take the place of the 1935 Home-Coming Day.

Divisional organizations with members holding regular meetings have been perfected in Amarillo, Austin, Dallas, Dalhart, El Paso, Ft. Worth, Peryton, Sudan, and Wichita Falls, Texas; Pittsburgh, Pennsylvania; Nara Visa and New Hobbs, New Mexico; and Washington, D. C.

An effort is made to keep a complete list of alumni with their addresses, positions held, progress in their life work and other information. Members are urged to send their names and addresses yearly to the Secretary of the Association, Mamie Wolffarth, Lubbock, Texas.

### CO-EDUCATIONAL

The bill by which Texas Technological College was established provides that the College shall be co-educational, a policy which the management of

the institution is pleased to make its own. Consequently, from the day the doors first opened, young women and young men have been admitted on an equal basis.

### MEMBERSHIP IN EDUCATIONAL ASSOCIATIONS

The Texas Technological College has membership in the following organizations: The Association of American Colleges; the Association of Colleges and Secondary Schools of the Southern States; the Association of Texas Colleges; the National University Extension Association.

### DEMOCRACY OF SPIRIT

The Board of Directors and administrative staff of the Texas Technological College believe that part of a college education is the maintenance of a true American spirit of democracy. The College endeavors to promote a fine democratic spirit among all its students as a means of fostering attitudes of mind toward other individuals in a great democracy which will prepare a student for his true place as a citizen.

Hazing is forbidden by the laws of the State of Texas and the College expects every student to obey the laws of the State. The practice is indefensible in every way even if the laws of the State of Texas did not make such a provision.

The Board of Directors passed a rule forbidding Greek letter social fraternities. Every student in this institution is encouraged to make a place for himself in the student organizations which will be worthy of his own best interests and the best interests of the entire group. No organization among the students has any right to exist unless it promotes both the best interests of the membership of the organization itself and the best interests of the College as well. All student organizations on the campus are urged to maintain the spirit of democracy.

### OFFICIAL PUBLICATIONS

The College maintains a series of publications in the form of official bulletins, one issue of which is this general catalogue of the College. Another issue is devoted to various activities of the institution, the needs of the institution as they appear from time to time, and such scientific and literary productions from those members of the faculty and student body as are worthy of preservation in permanent form.

### GENERAL PURPOSE OF THE CATALOGUE

The purposes of this catalogue are to give general information, to record the work of the year closing, and to make announcements regarding the coming year.

The courses of study here announced are those which will be offered during the ensuing year, but the College reserves the right to make changes in courses at any time, and will offer those published at the beginning of each year and each semester for which there may be adequate demand.

In the catalogues are published the official regulations for the next year. These are subject to change without notice each year except as to the standards and requirements for degrees.

READ THE FOREWORD at the beginning of this catalogue as a guide to its use.

## ENTRANCE

The Registrar of Texas Technological College has charge of all matters relating to admission to any division of the College. All communications regarding entrance requirements should be addressed to him.

### GENERAL ENTRANCE REQUIREMENTS

Students, both men and women, who are of good moral character and who can meet entrance requirements herein set forth, including the college physical examination, and who are prepared and able to profit by college work, will be admitted to the Texas Technological College. Applicants should bring with them a certificate of successful vaccination against small-pox or should be vaccinated by the College physician after coming to Lubbock.

Entrance requirements are stated in terms of **units**. A **unit** represents nine months of study in a subject in a high school or other secondary school, constituting approximately one-fourth of a full year's work. A regular accredited high school or other secondary school generally requires sixteen units of work for graduation.

### ENTRANCE REQUIREMENTS FOR THE FOUR DIVISIONS OF THE COLLEGE

**Unit Requirements.** Fifteen units of credit in an accredited high school or other accredited secondary school are required for admission to Texas Technological College. The following units are required by groups:

1. English (required of every student) .....	3
2. Mathematics (See Group A) .....	2
This requirement applies to all divisions except Engineering where 3 units in Mathematics are required, as follows: Algebra 2, Plane Geometry 1, or *Algebra 1½, Plane Geometry 1, Solid Geometry or Trigonometry ½.	
3. Two units from each of any two of the three other divisions in Group A below (Social Science, Natural Science, Foreign Language) .....	4
4. Additional from any division of divisions of Group A.....	2
5. Additional from Group A or from Group B, or Group A and B together .....	—
Total .....	15

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\*Provided ½ unit of Algebra is taken during the senior year in high school.

## GROUP A

(This column under units shows the number of units which may be offered in each subject.)

Subject	Units	Subject	Units
<b>English Division</b>		<b>Mathematics Division</b>	
English .....	3-4	Algebra .....	1-1½-2
<b>Foreign Language Division</b>		Plane Geometry .....	1
French .....	2-4	Solid Geometry .....	½
German .....	2-4	Trigonometry .....	½
Greek .....	2-3	<b>Social Science Division</b>	
Latin .....	2-4	Early European History .....	1
Spanish .....	2-4	Ancient History .....	1
Czech .....	2-3	Modern European History .....	1
<b>Natural Science Division</b>		World History .....	1
Biology .....	1	English History .....	½-1
Botany .....	1	American History .....	½-1
Chemistry .....	1	Texas History .....	½
General Agriculture .....	½-1	Civics .....	½-1
General Science .....	1	Economics .....	½
Physics .....	1		
Physiography .....	½		
Physiology and Hygiene .....	½-1		
Zoology .....	1		

## GROUP B (VOCATIONAL)

Subject	Units	Subject	Units
Agriculture .....	½-4	Public Speaking .....	½-1
Commercial Arithmetic .....	½	Shorthand or typewriting .....	1
Bookkeeping .....	1	Any subject accepted by an accredited secondary school for its diploma (except drill subjects such as penmanship, physical education, military training, etc.)	
Drawing .....	1-4		
Commercial Geography .....	½		
Commercial Law .....	½		
Home Economics .....	½-4		
Manual Training .....	1-4		
Music .....	1		

NOTE: A maximum of 4 units of vocational subjects will be accepted for admission to the Division of Arts and Sciences and to the Division of Engineering; for admission to the Division of Agriculture and to the Division of Home Economics a maximum of 5 such units will be accepted.

## HIGH SCHOOL CREDENTIALS

**Transcript.** A student proposing to enter College should see that the high school principal forwards to the Registrar of the Texas Technological College, two weeks before the opening of the fall semester, or the spring semester, in which he is to be enrolled, a transcript of his work in high school or any other secondary school, showing that he is a graduate of an accredited high school.

## ADMISSION BY EXAMINATION

In case a student is graduated from a high school which does not offer the full fifteen accredited units, he may enter the freshman class after passing entrance examinations sufficient to bring the total to fifteen units. Each spring entrance examinations are held throughout the State under the super

vision of the State Department of Education. The examinations held in May are conducted in each county, and the papers are graded by the State Department of Education at Austin. Subjects successfully passed and certified by the State Department of Education or by the Department of Extension of the Texas Technological College will be accepted for entrance, provided they are subjects that meet our requirements.

At the opening of the fall semester, spring semester, and summer session, the College gives entrance examinations to those who need credits for entrance. Under extreme necessity and at the discretion of the Registrar these examinations may be given on other dates on the payment of a fee of \$2.50. For the school year 1935-36 entrance examinations will be given on Monday, September 16.

The requirements of the State Department of Education concerning the submitting of notebooks are followed. Notebooks are required for the following subjects: Biology, Botany, Zoology, Physiology, Chemistry, Physics, General Science, and Physiography.

#### ADMISSION BY TEACHERS' CERTIFICATE

Applicants holding teachers' certificates based on State examinations are requested to submit their reports from the State Board of Examiners and they will be given credit for affiliated subjects on which they have passed the State examinations.

#### ADMISSION OF MATURE STUDENTS ON CONDITION

At the discretion of the dean of the particular division, mature students (twenty-one years or over) may be admitted on condition to college classes without having met the formal entrance requirements. The applicant is advised to send his application and credentials in advance of his coming to Lubbock. He must present himself at the office of the dean of the division he wishes to enter, for a personal interview, before he will be accepted.

Admission in this manner is allowed only in the case of applicants who present evidence that they have essentially completed the high school credits required for regular admission and who show by their records that they are above average in ability as students.

Admission of mature students on condition is provided only for those applicants who have not recently attended school and therefore could not pass the admission examinations.

Admission of mature students on condition does not confer special privileges, but, on the contrary, puts the applicant under special obligations. Each applicant proceeds as follows:

1. He must make application on the official blank (to be obtained from the dean), giving the information desired.
2. He must furnish evidence that he has substantially covered the work required for college entrance and that he has sufficient ability and seriousness of purpose to do the work desired with profit to himself and to the satisfaction of the College.
3. He must show, by the writing of a composition, that he has an adequate command of English.

Neglect of work or other evidence of lack of serious purpose on the part of a student thus admitted will cause the dean to withdraw approval, thus severing the student's connection with the College and preventing his re-admission until he has satisfied all admission requirements.

Students who are admitted as mature students on condition must make the entire fifteen required units by high grade work the first year and by special examinations before the beginning of their fourth semester in the College.

Students admitted in this manner cannot represent the College in any intercollegiate activity or become candidates for degrees until they have satisfied the admission requirements.

Students thus admitted who have been registered for freshman English, on completing the year's work in that subject, will be given credit also for three admission units in English. Similarly, students who have been registered for freshman mathematics, on completing the year's work in that subject, will receive credit also for two admission units in algebra and one admission unit in plane geometry. Furthermore, such students making at least 30 semester hours with an average grade of C during the first long session, will in addition, absolve the admission condition in the five elective units. If this average is not made, the five elective units and the four other prescribed units must be made up by entrance examinations or by extra college subjects before the beginning of the fourth semester in the College.

#### ADMISSION WITH CONDITIONS

To regularly enroll in the College, a student must present a certificate of graduation from an accredited high school with fifteen accredited high school units. Included in the fifteen units must be three units in English and two in Mathematics. However, if he is able to present fifteen accredited units which do not include one of the two required units in Mathematics, or which do not include the required units in Social Science or Natural Science or Foreign Language, he may be admitted to the freshman class on condition. (This does not include the Mathematics requirement for the Division of Engineering.) Any conditioned first-year freshman student, (but not a mature student on condition) who makes in his first long session or its equivalent, at least thirty semester hours with an average grade of "C", will thereby absolve his admission condition. Otherwise, the student must remove the condition: (1) by taking regular admission examinations in subjects not studied by the student in college; (2) by correspondence work taken in the Extension Department; (3) by transferring work done in college to high school credit. For the purpose of satisfying admission conditions, a course of six semester hours college credit counts as the equivalent of one and one-half high school entrance units. Courses used to absolve admission requirements will not count also toward a degree. Conditions may not be removed by taking admission examinations after the student has completed sixty semester hours of college work. They may then be removed only by work done in college to be transferred to high school credit.

#### QUALITY PROVISIONS FOR ENTRANCE

Quality is more important than quantity in the matter of high school credits. Therefore, any applicant ranking in the highest quarter of his graduating class in any fully accredited secondary school and also showing a high ranking in the scholastic aptitude test given by the College to all entering freshmen, may enter without admission conditions. (This does not exempt any student from the required three units in English nor the usual Mathematics requirement in the Division of Engineering.)

## TRANSCRIPT OF COLLEGE CREDITS

Students who have made satisfactory records in other colleges and can show honorable discharge from such schools will be welcomed in Texas Technological College if they feel that their particular needs can be met better in this institution. In such cases they should have the Registrar of the college last attended send a transcript of their college credits, including entrance units, to the Registrar of Texas Technological College. Such transcript should certify honorable dismissal from the last institution attended, and should be forwarded to the College at least five days before the date on which the student expects to enter. A transcript should not be brought in person by a student.

## ADMISSION TO ADVANCED STANDING

Students transferring from other colleges which have four grade letters will be given credit only for those courses passed with a grade which is one letter above the passing grade in the institution from which the student comes; and then only when such courses or their equivalent are given for credit in Texas Technological College. This institution will pursue the regular rule of other Texas colleges, and especially of the University of Texas, in evaluating such transcripts. The lowest passing grade from the other colleges may not be accepted for credit in this institution. Furthermore, any transfer student who expects to be graduated from Texas Technological College must meet the regular requirements for graduation and must complete a minimum of thirty semester hours of credit in residence in this institution.



## EXPENSES

### UNIFORM FEES AND DEPOSITS

At the regular session of the Forty-third Legislature, the law was passed and signed by the Governor, requiring each State-supported educational institution in Texas to collect from all students tuition fees at certain specified rates. These fees are payable at the beginning of each semester and before the student's class cards are sent to the instructors. Under the new law, the following charges are made for each semester.

**TUITION FEES**, provided by Texas State Laws for each student who is a bona fide resident of the State of Texas, amounting to \$25.00 for each semester or \$50.00 for the regular nine months session.

**UNIFORM BREAKAGE DEPOSIT**, amounting to \$7.50 for each semester is to cover breakage in all laboratory courses, library fines and losses of books, breakage or damage to property in Residence Halls and other State-owned buildings on the campus, and other charges for injury or loss of State property of the Texas Technological College. The unused portion of this deposit is returnable to the student at the end of each semester. Should the student's laboratory breakage, library fines, or other charges mentioned at any time reduce the reserve on this deposit of any student below \$3.00, the student will be required, on notice from the Business Office and the Dean of the Division, to make an additional deposit to cover breakage for which the original deposit was made.

**MEDICAL SERVICE FEE**, amounting to \$4.00 for each semester to cover physical examination, medical service in case of illness and hospital service as fully detailed later in this catalogue under Medical Service for Students.

**STUDENT ACTIVITIES FEE**, \$7.50 for the first semester and \$1.50 for the second semester. The first semester fee is divided as follows: \$5.00 goes to Athletics and entitles the student admission to all games; \$1.25 for the support of the Matador Band; \$.25 to the Student Council and entitles student holding a ticket to vote in all student elections; \$.50 goes for the Artist Course and entitles student to all programs and lecture courses put on by the Artist Course Committee; \$.50 goes as subscription to the Toreador, a semi-weekly publication. In the second semester the \$1.50 is divided: \$.50 for subscription to Toreador; \$.50 for the support of the Matador Band; and \$.50 for the Artist Course.

The payment of the first semester activity fee admits the student to all athletic events in both semesters and entitles the student to vote in student elections in both semesters. If the student has not paid the first semester activity fee, but pays the second semester, the fee will be \$2.50; \$.75 of which goes to Athletics, and \$.25 to Student Council in addition to the distribution given in the preceding paragraph. If the student pays only the first semester activity fee he will not be entitled to the Toreador or to admission to the Artist Course in the second semester.

This arrangement regarding student activities fees was the result of work of the Student Council and was adopted by the student body by an overwhelming vote at a mass meeting held in the Spring Semester, 1935.

**OUT-OF-STATE FEES**. Students who are non-residents of the State of Texas are charged an additional fee in accordance with the new law, which provides that the fee shall be "an amount equivalent to the amount charged students from Texas by similar schools in the State of which the said non-resident shall be a resident."



The law provides that "a non-resident student is hereby defined to be a student of less than twenty-one (21) years of age, living away from his family and whose family resides in another State, or whose family has resided within this State for a period of time less than twelve (12) months prior to the date of registration, or a student of twenty-one (21) years of age or over, who resides out of the State or who has resided within the State for a period of less than twelve (12) months prior to the date of registration."

Tuition fees charged out-of-state students will be uniform for all institutions supported by the State of Texas. Prospective non-resident students are advised to write to the Registrar for information as to what the out-of-State fee will be.

Provision is also made in the law that each resident or non-resident student who registers for less than twelve (12) semester hours may be charged a sum proportionately less than that above prescribed, provided each student registered shall pay no less than seven dollars and fifty cents (\$7.50) per semester.

**SPECIAL FEE.** A special fee is required for typewriter rental in courses in typewriting. See courses in secretarial training, **Department of Economics and Business Administration.**

**PAYMENT OF FEES.** Payment should be made in cash or by cashier's check or money order, payable to Texas Technological College. All checks, money orders, and drafts are accepted subject to final payment.

If a check or draft accepted by the fiscal office as cash is returned unpaid by the bank on which it is drawn, the person presenting it will be required to pay a penalty of fifty cents.

Any student failing to register within three days from the regular registration period may be required to pay an additional service charge of \$2.

#### EXEMPTION FROM FEES BY REASON OF ENLISTMENT

Men and women enlisted in the service during the World War, who are citizens of Texas, are exempted from all fees. The discharge papers or service record of the student must be presented to the auditor or fee checker at the beginning of each semester. All deposits are required of ex-service students.

#### RETURN OF FEES

In the long session any student withdrawing officially (1) during the first week of class work in a semester will receive a refund of eighty per cent of his tuition fees; (2) during the second week, sixty per cent; (3) during the third week, forty per cent; (4) during the fourth week, twenty per cent; (5) during the fifth week or thereafter, nothing.

A student who enters the second semester not knowing his first semester grades, and whose second semester registration is cancelled because of failure in his work in the first semester, will have all of his tuition fees for the second semester refunded.

In the summer session any student withdrawing officially during the first week of class work in either term will receive a refund of fifty per cent of his tuition fees. A student who withdraws after the first week of either term will receive no refund. In the case of withdrawal during the first summer term, if second term fees have been paid, they will be refunded.

No refund will be granted unless applied for within one year after official withdrawal. The date on which a student signs his application for withdrawal will be regarded as the date of official withdrawal. A refund is made to the student in person or on a properly attested written order accompanied by his receipt for tuition fees.

In no case are fees refunded to a student suspended from College by the College authorities.

The medical service fee is not refunded either in the long session or in the summer session.

### ESTIMATE OF ANNUAL COST

An estimate of the annual expenses for one long session of nine months follows:

Tuition fees .....	\$ 50.00
Breakage deposit .....	7.50
Medical service fee .....	8.00
Student activities fee .....	9.00
Board and room in College Residence Halls .....	202.50
Books and incidentals .....	50.00
Laundry and pressing (estimated) .....	30.00
<b>Total .....</b>	<b>\$357.00</b>

This is a minimum. The maximum is governed by the amount expended on books and incidental expenses. The cost of books varies under the different curricula of the College from a minimum of \$10 to a maximum of \$25. The engineering students are required to purchase their own set of drawing instruments, costing approximately \$20.

### BOARD AND ROOM

All students are required to board and room in the College Residence Halls to the full capacity of these buildings and especially all students employed by the College are required to board and room in the College Residence Halls. The monthly charge for Board and Room in the College Residence Halls is \$22.50 per student for regular double rooms, \$23.50 for corner rooms and \$27.50 for single rooms with private bath.

Men students who may be permitted to room outside the College Residence Halls, after the same are fully occupied, may secure room and board at approved boarding houses at prices ranging from \$20.00 to \$25.00 per month.

Women students who may be permitted to room outside the College Residence Hall for Women, after the same is fully occupied, may secure room and board at approved boarding houses at prices ranging from \$22.50 to \$30.00 per month.

### TEXT BOOKS AND SUPPLIES

Text books and supplies may be purchased from the College Bookstore. The Bookstore also handles secondhand books, thus giving opportunity for students to reduce the expense of these items. Adequate and efficient work cannot be done in college without the purchase of the necessary text books and other equipment required in a college course. It is the endeavor of the College to keep these costs as low as possible.

### SPECIAL COURSES IN MUSIC

By special arrangement and approval of the Board of Directors, a faculty of artists and teachers offer credit courses in music and are authorized to charge fees for applied music covering a full range of instruction in voice, piano, violin, viola, cello, bass, and brass and reed instruments. Instruction is generally given at the rate of two lessons a week carrying college credit.

Pianos may be rented for practice purposes at reasonable rates. For further discussion of courses, and fees for special courses, see **Department of Music** in this bulletin.

## REGULATIONS FOR STUDENTS

### HOUSING REGULATIONS FOR STUDENTS

The Texas Technological College has two new and very beautiful residence halls for students, one for men and one for women. Each of these halls is fireproof in construction, well-furnished, fully equipped with adequate, modern facilities for furnishing meals, and includes also proper social rooms to minister to the social life of students. All men and women students are required to room and board in these residence halls to their full capacity.

The Board of Directors of the Texas Technological College has adopted the following regulations affecting these residence halls:

In order that the Texas Technological College may care for students properly, and particularly exercise good care and training for freshmen, the following regulations have been adopted respecting the living of students in the two new College residence halls:

All men students who do not live in Lubbock, to the full capacity of the Men's residence hall, are required to live in this hall.

All young women students who do not live in Lubbock, to the full capacity of the women's residence hall, are required to live in this hall.

The College considers it a distinct advantage to the students to live in the dormitories on the College campus. It is not intended that these residence halls should be exclusively occupied by freshmen. They will be used by the administrative authorities in charge of them to improve the social and educational life of those who occupy these two new buildings.

These dormitories will be made the chief centers of social life of the students and every effort will be put forth to make of them a real means of education contributing to the social training of those who reside in them.

Room and board in these dormitories will be furnished at the rate of \$22.50 per student per month, for all rooms accommodating two students. Corner rooms, which have windows on two sides, will be at the rate of \$23.50 per student per month. In each dormitory there are five single rooms, with private shower-bath, toilet, and lavatory, intended mainly for persons occupying some position in connection with the College. Should these rooms be occupied by students, the rate will be \$27.50 per month for room and board. A \$5 deposit is required to reserve a place in the dormitories, which deposit will be credited on the first month's charge for room and board. The student's regular breakage deposit, mentioned under **Fees and Expenses**, which covers breakage in laboratory courses, library fines, and injury or loss of State property, also covers breakage or injury to property in the dormitories for such students as live in the dormitories.

The College reserves the right to alter the charge for room and board in case there should be a material change in the cost of food or other services, making such a change necessary, but such changes will not be made without due notice to all students and only at the end of a semester or year. It is the aim of the College to conduct the dormitories as economically as possible and to furnish room and board at the lowest possible figure consistent with the service rendered and the proper use of the dormitories.

### HOUSING REGULATIONS FOR STUDENTS NOT LIVING ON THE CAMPUS

For the benefit of students who may be permitted to room in private boarding houses, when the full capacity of the residence halls on the campus has been reached, the College maintains a faculty committee on student housing. In case a student has first obtained from his Dean written permission to room and board in some other place besides the regular College residence hall, this committee will designate certain approved rooming and boarding houses. The College retains the right to fix or to change any student's place of residence should such change become necessary for the best interest of the student. Any complaint regarding care of rooms, improper food, disorder, or any other condition making a house undesirable should be reported to the housing committee. Students who are permitted to room in private boarding houses should pay for room and board in advance; however, the College does not assume any responsibility for payment or collection of such bills.

#### INSPECTION AND APPROVAL

To be approved as a rooming house for students, the house must be inspected and approved by the committee and must meet the following conditions fully:

1. The house must be kept in a state of good repair, and provided adequately with sewer connections, hot and cold running water, screens, heating and lighting facilities, and telephone.
2. The proprietor must be of good moral character and must agree to cooperate with the College in carrying out housing regulations.
3. The proprietor must live in the rooming house at all times and exercise supervision over the students therein.
4. Proprietors are required to report all cases of serious illness of students.
5. Proprietors are required to report immediately any serious misconduct of students.
6. Proprietors are required to report immediately any change of residence made by students in their care.
7. Men and women students are not allowed to room at one place, and not more than two students are permitted to live in one room. Proprietors are held responsible for violation of these regulations.
8. Rooming house proprietors are required to see that proper conditions for study are maintained. During the usual study hours at night, quiet should be maintained and unnecessary visiting prohibited. Habitual failure to study on the part of any student should be reported to the housing committee.
9. All reports concerning men students should be made to the committee on housing for men and reports concerning women students should be made to the Dean of Women. Failure to make such reports, or to cooperate fully with the College, will necessitate the withholding of approval of a rooming and boarding house.

#### SPECIAL REGULATIONS APPLYING TO MEN STUDENTS NOT RESIDING WITH THEIR PARENTS

1. A student may not change his place of residence during any one semester unless requested to do so by the proprietor or unless given permission to move by the Dean. Such permission will be granted only in writing.

2. Moving from one house to another in violation of paragraph 1, without permission in advance, will subject the student to serious discipline.

3. During the usual study hours at night, in order that conditions for study may prevail, quiet is to be maintained and unnecessary visiting is prohibited.

4. The housing committee does not consider it desirable for students to live in bachelor quarters. Only in special cases will permission be granted to men students to live in garages or apartments where they are not under the direction of some responsible person who has the approval of the committee. In such cases the student must secure the written permission of his dean. In no case will men students be allowed to room in bachelor quarters unless they find it necessary to prepare their own meals.

#### SPECIAL REGULATIONS APPLYING TO WOMEN STUDENTS NOT RESIDING WITH THEIR PARENTS

1. In accordance with a ruling of the Board of Directors, all women students not residing in Lubbock shall, to the full capacity of the dormitory, room and board in the Women's Residence Hall. In event that the Women's Residence Hall should prove inadequate to care for all out-of-town students, senior halls will be provided for senior women.

2. After consultation with the Dean of Women, graduate students will be permitted to make special arrangements for living quarters.

3. A student who engages room, or room with board, may not change her place of residence during the semester except by request of the proprietor, or by permission given by the Dean of Women. Two weeks' notice is required before a change becomes operative.

4. A student who is sent to the hospital shall continue to pay her room rent in full for the month and shall pay board in full for the first three days.

5. Monday, Tuesday, Wednesday, and Thursday nights during the school session are definitely reserved as study periods. For this purpose quiet hours shall be maintained every night after 7:30 during the long session and after 8:30 during the summer session. Friday and Saturday nights should be used for study by students in general, but dates and engagements may be taken for such nights, holidays, and nights preceding holidays. This rule applies to all women's rooming houses and dormitories.

6. Upper classmen maintaining a general average of "B" and a clear discipline record will, upon request, be accorded special social privileges. A definite statement of these privileges will be sent to the housemother and a copy of the privileges will be kept in the Dean of Women's office. In no case shall these privileges conflict with the general regulations of the hall.

7. Housemothers are expected to report at once all absences, all cases of illness, and infractions of the general rules.

8. Women students are not permitted to go to the dormitories and boarding houses of men students except upon special invitation and after arrangements with the Social Activities Committee.

9. Students will be permitted to use automobiles when going back and forth from school and attending social affairs.

## DISCIPLINE REGULATIONS FOR STUDENTS

Every student registered in Texas Technological College is expected to obey the laws of the State of Texas and of the United States of America and the local laws of the City of Lubbock. He is expected to conform to the rules of ethics and of gentlemanly conduct; to respect the rights of others; to be truthful; to attend punctually and regularly all required classes and exercises; to be diligent in his studies; to persevere and respect the College property and the property of individuals.

The discipline of students is in the hands of faculty committees; one committee for men, of which the Dean of Men is Chairman; and one committee for women, of which the Dean of Women is Chairman. These committees are fact-finding committees who make their recommendations to the College Administrative Council which has final jurisdiction in all matters of personal conduct, discipline, and scholarship.

For further disciplinary matters, see the following sections on absences from classes and other regulations.

### SUSPENSION FROM COLLEGE

A student who convinces the authorities of the College that he is proving an unworthy citizen of the College community and fails to react in the right way to the counsel given him, is dropped from the class rolls of the College. Such suspension may be for the remainder of the semester or of the school year, or it may be made permanent. In no case are fees remitted to a student suspended from College by the College authorities.

A student who discontinues class attendance and makes no reasonable effort to secure withdrawal, may be placed on suspension by the dean.

A student suspended for disciplinary reasons, or required to remain out of college for scholastic reasons for one semester or more, is required to petition the Administrative Council for re-admission before he may again register. If approval of the Administrative Council is not secured, the student may not register.

When a student is suspended from the College the grades will be given in accordance with the paragraphs on grades, in the same manner as in the case of withdrawal.

### HAZING

Hazing is forbidden by the laws of the State and by College regulations. Every student is pledged upon registration to obey the laws of the State, and particularly to obey this law. Chapter 4-A of Title 15 of Vernon's Criminal Statutes of the State of Texas specifically forbids students at any State institution to engage in what is commonly known and recognized as hazing or to encourage, aid, or assist any other person thus offending. The Statutes particularly define hazing and require not only that students shall obey the law, but that teachers of the institution shall enforce it. The full cooperation of the faculty and student body must be directed toward the entire elimination from this institution of any and all practices coming within the very complete definition contained in the Texas law.

### WARNING ON STUDENTS CHECKS

Students are urged to exercise care in paying fees or making campus purchases by check. A returned check calls for a penalty of fifty cents, which will be charged against the student's breakage deposit. A student issuing such a check may, upon notification by the Business Office, be immediately suspended by his Dean, and may be reinstated only upon petition to and favorable action by the College Administrative Council. The College will not accept a check from a student who has once been suspended for giving a worthless check.



## SCHOLARSHIP REGULATIONS FOR STUDENTS

## SPECIAL ACADEMIC REGULATIONS

## 1. Regulations in the Division of Arts and Sciences:

In all matters pertaining to academic work men and women students are responsible to the Dean of Arts and Sciences except that women students are responsible to the Dean of Women in the following matters:

- (a) Absence from class.
- (b) Honorable dismissal from College.
- (c) Scholarship probation.
- (d) Change in schedule.

## 2. Regulations in the Divisions of Home Economics, Engineering, and Agriculture.

When desirable women students in the Division of Home Economics, Engineering, and Agriculture may be referred to the Dean of Women for consultation, but in all matters pertaining to academic work men and women students in these Divisions report to their respective Deans. These matters include the following:

- (a) Absence from classes.
- (b) Honorable dismissal from College.
- (c) Scholarship requirements.
- (d) Scholarship probation.
- (e) Individual approval.
- (f) Chance in schedule.

## ABSENCE FROM CLASSES

1. Students are required to be diligent in the pursuit of their studies and regular in their class attendance. Those who fail to meet these requirements will be requested to withdraw from the College.

2. Students are urged to attend all meetings and examinations of courses for which they are registered. For each eighteen absences per semester in any or all subjects, the student will be required to complete one extra hour for graduation. The grade point rule is to apply to extra hours thus required.

3. (a) Absence on field trips and with athletic teams, debating teams, judging teams, or other organizations which leave the College on official work, and absences of individuals who are permitted by the President or by the deans to leave the College on official business pertaining to the College or some organization thereof, are counted at half rate, provided the coach, manager or other person in charge files with the Registrar at least twenty-four hours before the student leaves the College a certificate upon a form prescribed by the College for each student who proposes to make a trip, and provided the same is approved by the dean of the division in which the student is enrolled, before the student leaves the College.

(b) Absences due to illness of the student count at half rate provided he files in the office of the Registrar within one week after his return to classes an official "Physician's Approval of Absence" card for the period of his illness, signed by the College physician.

(c) Absence due to illness or death in the student's family will count at half rate when approved to the Registrar by the dean of the division in which the student is enrolled.

4. (a) Students for whom absence approval cards are filed in accordance with the regulations stated above under (a), (b), and (c) of paragraph 3, may have the privilege of making up the lost recitations by handing in written work or in any other manner satisfactory to the instructor concerned. When such missed recitations have been made up, the remaining absences are removed.

(b) Application for the privilege of making up absences as in (a) of paragraph 3 must be made in writing to the Registrar and approved by the dean of the respective division within one week from the time of the return of the student to the College. A form prescribed by the College for this purpose will be furnished by the Registrar.

#### DOUBLE CUTS

Each absence on the two days preceding or the two days following any school holiday count as two, except as provided for in paragraph 3b, 3c, and 4a.

#### ADDING COURSES

After the regular registration period a student may add a course only with the approval of the instructor concerned and the student's dean.

No course may be added after one week of class work.

Adding a course must be attended to in person and not by a friend or by mail.

The following procedure should be carried out by the student

1. Add cards—made out in triplicate—should be obtained from the dean's office.

2. Approval by the instructor in the course should be obtained on these add cards.

3. The dean's approval of the add cards should then be obtained.

4. Add card should be filed in the Registrar's office.

5. If a fee is required, the Registrar's office then sends the student to the Business office.

NOTE: No add is official until all of the above procedure is completed.

#### DROPPING COURSES

A student may drop a course only with the consent of his dean.

The request for this action is not granted if made later than five weeks after registration in the fall semester, or four weeks after registration in the other semesters, unless the dean originates the request. The dean may request the instructor's advice.

Dropping a course without permission (and persistent absence from class amounts to dropping) means severing one's connection with the College.

Dropping a course must be attended to in person and not by a friend or by mail.

The following procedure should be carried out by the student:

1. Permission should be obtained from the dean of the division in which the student is enrolled.

2. Drop cards—made out in triplicate—should be obtained from the dean's office.

3. The signature of the instructor in the course should be obtained next on these cards.

4. Drop cards should be filed in the Registrar's office.

NOTE: No drop is official until all of the above procedure is completed.



## CHANGING A SECTION OF A COURSE

After completion of his registration a student may change from one section of a course to another only with the approval of the dean of the division and the instructors concerned.

The request for this action is not granted if made later than five weeks after date of regular registration in the fall semester or four weeks after date of regular registration in the spring semester, unless the dean originates the request.

Section changes must be attended to in person and not by mail or by a friend.

The following procedure should be carried out by the student:

1. Permission should be obtained from the dean of the division in which the student is enrolled.
2. Change cards—made out in triplicate—should be obtained from the dean's office.
3. Approval by the instructor of each section concerned should be obtained next on these cards.
4. The dean's approval of the change cards should then be obtained.
5. Change cards should be filed in the Registrar's office.

**NOTE:** No change is official until all of the above procedure is completed.

## CLASSIFICATION OF STUDENTS

The College recognizes in general but one kind of student—the regular student. Students are classified as freshmen, sophomores, juniors, seniors, and graduate students.

For the purpose of determining eligibility to hold certain offices and for other similar reasons, students are classified as follows:

**Freshman**—A regularly enrolled student with all entrance requirements met, who has completed fewer than 30 semester hours.

**Sophomore**—A regularly enrolled student who has completed a minimum of 30 semester hours including 2 hours of required physical education.

**Junior**—A regularly enrolled student who has completed not less than 60 semester hours including 4 hours of required physical education, and 60 grade points not including physical education.

**Senior**—A regularly enrolled student who has completed not less than 90 semester hours including 4 hours of required physical education, and 90 grade points not including physical education.

**Graduate**—One who has completed the requirements for the bachelor's degree, is a candidate for the master's degree, and has been fully accepted by the Graduate Committee under the rules laid down for graduate work.

In classifying transfer students the number of grade points required is reduced by the number of hours of transferred work.

## GRADES

The standing of a student in his work is expressed by grades made up from class work and from examinations. The grades used are: A, excellent; B, good; C, fair; D, passing; E, condition; Inc., incomplete; W, withdrawal from the course; F, failure. A plus grade and a minus grade may be used at the instructor's discretion to make finer distinction above and below the letter given. Thus if "A" is 90 to 100 "A" minus is low and "A" plus is high within that range; likewise "D" minus is barely passing.

Grades are given by semesters, but where the student's curriculum requires the completion of a subject, one semester of a course will not count for a degree until credit has been received for the entire required course.

Semester grades are recorded by teachers on grade cards and on grade sheets and are filed with the Registrar in accordance with his time limits. The Registrar reports all grades to the student's parents or guardians, to the student, and to the student's dean. All students regularly enrolled in any given course at or after November 1 in the first semester or March 1 in the second semester must receive a grade at the end of the semester. No grade may be given to a student not regularly enrolled in a course during the semester covered. No grade may be corrected or changed without inquiry as to the reason and necessity for the change, except the grades of "E" and "Inc.", for the changing of which definite regulations are provided.

#### GRADE OF "INC."

Definition: The grade of incomplete (Inc.) may be given by the instructor whenever the student's work in the course indicates a major deficiency in quantity (but is sufficient in quality), provided the deficiency has been occasioned by causes beyond the student's control.

Completion of the work: Within four weeks after the beginning of the next regular semester of residence after the grade of Inc. is given, the student shall initiate a petition to the dean of the division in which he is enrolled for permission to complete the work reported incomplete. The dean and the instructor in joint conference shall decide whether the work may be completed or the grade become "F". The dean may extend the time for initiating the petition. The student who fails to initiate his petition within the time limit stated (unless the time be extended by the dean) shall forfeit all privileges of completing the work, and the grade becomes "F". Upon receiving permission, the student shall complete the work in whatever manner and within whatever time the instructor specifies, provided that the time shall not exceed one year from the giving of "Inc."

Record of "Inc.": The instructor shall note on the reverse side of the grade card the reason "Inc." was given, the quality of the work done, a brief summary of the work to be done, and the time allowed for doing the work. The instructor shall transmit the new grade to the Registrar, and the Registrar in recording the new grade shall supplement the original grade with the one last recorded.

When an "Inc." stands for one year without action it becomes "F," except that at mid-semester before graduation any grade of "Inc." then standing without action becomes "F".

The responsibility of seeing the record cleared of "Inc." rests upon the student.

#### THE GRADE OF "W"

The student who withdraws from a course before five weeks after the beginning of the first semester or four weeks after the beginning of the second semester, in a manner prescribed by the college regulations, receives no grade, and his name is not entered on the final sheet.

A student who withdraws from a course after five weeks from the beginning of the first semester or four weeks from the beginning of the second semester receives a grade of "W" if his work is of passing grade; otherwise the grade is "F".

A student who transfers from one section to another receives no grade in the original section, and his name is not entered on the final grade sheet for that section.

### GRADE OF "E"

**Definition:** A student who fails to pass a course but makes a grade of "E" is conditioned. The grade of "E" is to be very carefully distinguished from the grade of "Inc." In all cases of future assignments, prerequisites, or activities requiring a passing grade, it is to be regarded as "F" until removed, except for entrance to the succeeding semester of a continuous course of not over two semesters.

**Removal of condition:** It shall be the duty of the student who has received "E" to consult his instructor within four weeks after the beginning of his next semester of residence to determine the method of the removal of the condition.

The student must remove the condition in one of four ways designated by the instructor.

1. By a second examination within four weeks after the beginning of the next regular semester. This examination must be passed with a grade of at least "C", and if so passed the semester grade becomes a "D". The grade of a student who fails to meet this requirement becomes "F".

2. By creditable work the following semester in a course continuing beyond one semester. Under this requirement the student must register in a section taught by the instructor who assigned the grade "E". The grade of a student who complies with this requirement becomes "D".

3. By satisfactory completion of special assignments submitted in writing by the instructor and approved by the head of the department. The grade of a student who complies with this requirement becomes "D".

4. By registration for the course in which the "E" has been assigned. The original grade, under this method, will be supplemented by the grade obtained by repeating the course.

**Recording of the removal of the condition:** In any action under provisions 1, 2, or 3, for the removal of a condition, the instructor will transmit to the Registrar the grade of "D" or "F." The Registrar in recording the new grade will leave "E" upon the record. When an "E" stands without action for one year it becomes "F," except that at mid-semester before graduation any grade of "E" then standing without action becomes an "F".

The responsibility of seeing the record cleared of a condition rests upon the student.

### GRADE OF "F"

**Definition:** The grade of "F" is given when a student fails in a course, and also when the student withdraws from a course in a manner prescribed by college regulations after five weeks from the beginning of the first semester or four weeks from the beginning of the second semester and was not then passing in the course.

### GRADE POINT REQUIREMENTS FOR GRADUATION

To secure any degree in this College, the total number of grade points a student has received must equal or exceed the total sum of the semester hours required for graduation. For grade A, three grade points are awarded for each semester hour; for grade B, two points; for grade C, one point; for grade D, no points.

No grade points are required or allowed for credit accepted from other institutions, for credits made in this College prior to September 1, 1926, or for credits made in the two years of required physical education or military science. A student who has the number of semester hours required for graduation, but not the corresponding number of grade points, may satisfy the grade point requirement by completing additional courses until the grade point requirement has been met. Courses used to meet this requirements must have the approval of the student's dean.

### DEFICIENCIES IN ENGLISH

A special survey of the records of all students who are registered as juniors and are candidates for a degree will be made at the beginning of the junior year to ascertain their proficiency in English composition and the use of English. If any student in any division of the College is found deficient in the use of the English language, such deficiency must be removed before the beginning of the last semester of the senior year. The reports on the standing in English of all prospective juniors and seniors will be made by the Registrar to the dean of the division in which the student is registered, and special arrangements should be made between the dean of the division and the Head of the Department of English for the removal of such deficiency by additional required work in English.

### PHYSICAL EDUCATION

Physical education is required of all freshmen and sophomores, both men and women, unless excused upon recommendation of the College physician, but such excuse shall not relieve the student from making the total semester hour requirements for graduation. Military science may be taken in place of the required physical education.

Students twenty-five years of age or above who do not wish to enroll for physical education, and those excused from the requirements on the recommendation of the College physician, must complete at least a two-semester-hour college credit in Health and Hygiene as a part of the requirements for graduation.

### SEMESTER HOUR

The unit for instructional purposes is the course. Most courses meet three hours a week, having a credit value of three hours for one semester or six hours for both semesters.

The unit of measure for credit purposes is the **semester hour**, which means one hour of recitation (or the equivalent in shop or laboratory work) per week for one semester of eighteen weeks. For each classroom hour two hours of preparation are expected. Three hours of shop or laboratory work are counted equivalent to one classroom hour and the preparation for it.

### MAXIMUM NUMBER OF SEMESTER HOURS ALLOWED

In the case of weak students, the normal student load may be reduced. The limit will not be exceeded without a sufficiently high grade average. Students earning all or part of their expenses while in college are not allowed to register for over twelve semester hours if their outside duties demand as much as three hours per day. This limit may be increased by the dean of the division in which the student is registered, if the nature of the employment permits this and if the student's record shows a sufficiently high average grade.

### COURSE NUMBERS

The numbers used for designating the courses are uniform. Reading from left to right, the first digit indicates the college year in which the course is normally offered; the second digit shows the semester hour value of the course; while the other digit or digits represent the course number; a course complete in one semester is described under one number; a course which extends over two semesters carries a course number joined by a hyphen for each additional semester after the first, e. g., English 131x-2x, or Industrial Engineering 4311x-12x meaning that a subject extends through two semesters.

### SCHOLARSHIP PROBATION

A student who fails to pass approximately nine hours or three subjects for which he is enrolled in a given semester is placed on scholarship probation by the dean of his division during the next semester. This probation shall mean that:

1. The student may not register for more than four courses, approximately twelve hours, except upon the advice of the dean.
2. In order to allow more time for studies, he shall not be permitted to represent the College in any intercollegiate contest or collegiate office or elective collegiate position during his period of probation, and shall not be permitted to be absent from the College for any cause except illness.
3. Lack of interest in his studies as evidenced by unnecessary absences will result in his suspension from the rolls of the College.
4. If the student is reported passing in all subjects at mid-semester, the scholarship probation will be removed.
5. The student on scholarship probation who fails to pass as many as nine hours is suspended for one term before being given another trial, or may be suspended at the dean's discretion at mid-semester if the reports made at that time seem to require such action. See the paragraph on "Suspension from the College."

A student who presents notably low grades from another institution will be received in Texas Technological College only on scholarship probation and this will be recorded on his transcript of credits when it is evaluated. In that case, this student will be registered in accordance with these regulations.

Students who are permitted to register for nine hours or less because of employment may not come under these provisions if an approved application is filed with the dean in advance of the beginning of the semester's work.

### WITHDRAWAL FROM COLLEGE

A student who finds it necessary to withdraw from the College before the close of the semester should apply to the dean of the division in which he is registered for permission to withdraw. A student under twenty-one years of age should first consult his parents and should bring with him a written statement showing that he has the permission of his parents to withdraw. If the dean is convinced that withdrawal is necessary, the student will be given honorable dismissal from the College, and his parents will be notified. Such withdrawal protects the student's record in case he desires to return to the institution or to transfer to another institution at some future time. The grades recorded are given in accordance with the grade requirements in the preceding paragraphs, and if the withdrawal is due to accident or illness, the grades, whether "W" or "F", will be based on the student's standing on the last day of attendance in each of the specific courses to which he is assigned. The fact that the student may have withdrawn does not alter the scholarship probation requirements.

### WEEK OF RESTRICTED SOCIAL ACTIVITIES

During the week preceding examinations the Faculty Social Activities Committee will not schedule any social function at the College.

## REQUIREMENTS FOR GRADUATION

To receive any undergraduate degree in Texas Technological College, the student must have met certain uniform requirements together with certain other requirements that may vary with the different divisions of the College.

1. Each student is required to do work in actual residence in this College of at least two long session semesters, five summer session terms, or one long session semester and two summer session terms, in addition to any residence credit obtained through extension, and complete a minimum of thirty semester hours of work counting toward a degree. At least twenty-four of the last thirty semester hours offered for the undergraduate degree must be taken in this College. The student must also make before graduation, a total number of grade points in residence at least equal to the number of credit hours required in residence for graduation.

2. The candidate for any degree must file his application for the degree with the Registrar and with his dean not less than two semesters in advance of graduation.

3. The completion of all requirements of the course of study as outlined in the college announcement or its equivalent as determined by the faculty of the division offering the course must be certified to by the Registrar and by the dean. The curriculum requirements will be found in the appropriate divisions of the catalogues and announcements issued from time to time.

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

5. The candidate for a degree must be attired in the correct academic costume when presenting himself for a degree.

6. Diplomas are bestowed upon the candidate at the time the degree is conferred.

NOTE: Graduation in absentia is not permissible for students in residence, and will be permitted only under special conditions stated in writing and approved by the President and College Administrative Council.

## INTRAMURAL TRANSFERS

The College encourages students to develop interest and knowledge in specialized fields of learning. Frequently it is necessary that opportunity for a change of major interest be provided, and to this end transfers between the main divisions of the College are encouraged whenever such seem advisable for the best interest of the student. Students desiring to transfer from one division of the College to another must apply to their dean either at the beginning of the year in the fall or before examinations are held at the close of any semester. Transfers are made in writing from the dean to the Registrar.

If a student has failed to pass nine hours under the scholarship probation regulations, he will not be enrolled in another division of the College until the provisions of the probation regulations have been met.



## MEDICAL SERVICE FOR STUDENTS

The West Texas Hospital, 1302 Main, in return for the \$4.00 per semester collected from students for medical service, agrees to render the following services to any student enrolled in Texas Technological College, who has paid this fee at the beginning of the current semester.

- 1) The student will be given a physical examination immediately preceding the opening of each semester or as soon thereafter as practicable, the limiting date to be determined by agreement between the College and the Hospital. In case of abnormalities, the student will be given advice with recommendation as to treatment.
- 2) The student will be allowed free consultation with the College physician at any time such consultation is desired.
- 3) The College physician will make without further charge calls to the student's home or at the Hospital.
- 4) Each student will, in case of necessity, have free use of the Hospital facilities of the West Texas Hospital, including board, lodging and general nursing in the Hospital, provided this does not exceed twenty-one days in any one school year. In the event of an epidemic, this limit may be reduced, and in case of necessity, the limit may be extended. Any reduction or extension will be made upon the recommendation of the President of the College. These provisions apply only to the relief of acute conditions and do not include special nursing unless authorized by the President of the College in cases where students are financially unable to employ a special nurse.
- 5) The Hospital agrees to furnish hospitalization to students who while in College contract contagious diseases, for example, mumps, measles, flu, to the capacity of the Hospital facilities. In case of an epidemic of contagious diseases, where the Hospital facilities are taxed beyond their capacity, arrangements will be made, mutually agreeable to the College and the Hospital.
- 6) If an ambulance is required to carry the student to the Hospital this will be furnished without additional charge.
- 7) The student will receive without further cost any pathological or X-ray examination which may be needed for treatment underway in the Hospital.
- 8) a. Any minor surgical operations which may be needed by the student, such as for cuts, sprains, simple fractures, and vaccinations, will be performed for him without further cost.  
b. Emergency operations for appendicitis (for acute cases only) will be performed for the student without further costs.
- 9) The student will receive without further cost examinations and treatments by specialists for eye, ear, nose and throat difficulties. This, however, does not include operations for the removal of tonsils or for chronic nasal diseases or for special operations on the eye or ear.
- 10) On all operative work not covered by the medical fee, students will receive a discount of 25 per cent from the regular charge.
- 11) First aid service, consultation with the school physician, can be had at stated hours each day at an office provided by the College on the campus. This does not interfere with the provisions in paragraph 3 above.
- 12) Daily service of a trained nurse can be had at the office on the campus during the school year at hours to be announced.
- 13) Members of the faculty of Texas Technological College and their families may receive medical and surgical attention at a discount of 25 per cent.

- 14) Casualty work for employees injured while on duty in their respective services for the College will be cared for by the Staff without charge. This does not include hospitalization, and will apply only to those injured while on duty during working hours.
- 15) The West Texas Hospital agrees to report promptly to the Dean of Women of the College every case of illness among the women of the College and to report to the Dean of Men every case of illness among the men of the College, with an adequate statement of the nature of the illness.
- 16) The West Texas Hospital agrees that all case records of students remaining in College after the period covered by this agreement will be available to the College authorities on request.
- 17) The West Texas Hospital agrees to furnish the College semi-annual reports of all services rendered to students under this agreement.
- 18) With reference to the treatment of any cases seemingly not covered in the above conditions, the College and the Hospital will come to a mutual agreement as to the handling of such cases.

#### **Summer Session**

All the above conditions and agreements will obtain covering the summer school, 1936, except that the fees shall be \$2.00 for either or both terms and the maximum number of days of hospitalization shall be ten.



## STUDENT AIDS AND HONORS

### SCHOLARSHIPS AND PRIZES

High scholarship is the ideal of the Texas Technological College. Every means is taken to promote high scholarship. The first Called Session of the Forty-Third Legislature made it legal for the governing boards of State-supported colleges to confer scholarships on the honor students of affiliated high schools. By agreement between the State-supported institutions of higher learning, one scholarship each year will be granted on and after September 1, 1934, to the highest ranking graduate of the year preceding September 1, 1934, of each affiliated high school in the State, but only one such scholarship is granted to one student who may choose the State-supported institution of higher learning in Texas, which student will attend and use such scholarship. The State Department of Education prepares the list of honor graduates for the regularly affiliated high schools each year and furnishes this list to each of the State-supported institutions of higher learning. Such scholarship entitles the student to tuition amounting to the sum of \$50 free for one year.

All scholarships offered for work done in the College are supported by funds paid to the College for that purpose. When a student has been awarded a scholarship, the disbursements are paid to him at the rate of fifty per cent for the fall semester and fifty per cent for the spring semester. Scholarships which are inactive, due to the resignation or non-attendance of the holder in the next succeeding year, will be regarded as vacated and may be filled in the usual way.

Application should be made for scholarships and prizes upon blanks supplied by the Faculty Committee on Scholarship Awards, but the Committee may on occasion originate nominations.

### HONORS

The following awards were offered in the year 1934-35.

**Standefor-Canon Award** to the student among the football letter men making the highest grades for the year whose name is to be inscribed on the silver football plaque in the athletic office.

**Pan-Hellenic Society Prize** of \$50 to the freshman student in the Division of Home Economics making the highest grades in all of her work for the year.

**Double Key Society Loving Cup** presented by this society to the sophomore student in the Division of Home Economics having the highest standing for the year in the qualities of scholarship and leadership.

**Gargoyle Club Prize** to the freshman student doing the best work either in Architecture, Architectural Engineering, or Commercial Art.

**Faculty of the Department of Architecture and Allied Arts Prize** to the student doing the best work in Architecture.

Two new donors have authorized that student assistance be offered in 1935-36; these are as follows:

**Mary Overton Craig Prize in Chemistry** given by Dr. and Mrs. William M. Craig in memory of Mary Overton Craig to the young man of the sophomore class who shows the greatest promise as a future chemist. (For details of eligibility, apply to Head of Department of Chemistry.) First announcement at Commencement for the year 1935-36.

**The LaVerne Noyes Foundation** has approved of the Texas Technological College to receive the benefit of the Foundation created by the late LaVerne Noyes of Chicago. These scholarships are for the benefit of soldiers of the World War, or sons or daughters of such soldiers. Each of these scholar-

ships entitles the student to payment of tuition from said estate. It is probable that the number of these scholarships will be twenty. Application for the same should be made to the President of the College who will furnish forms to be made out to secure the award, which must be approved by the trustees of the estate.

A statement of the recipients of prizes and honors appears in this bulletin just preceding the list of degrees awarded.

At the close of each semester the Registrar's office issues an honor roll which includes the names of all students who during the semester have passed all subjects taken, aggregating not less than fifteen semester hours, with an average grade in all courses of at least "B", without having received any failing, conditional, or incomplete grades.

## LOAN FUNDS

There are a number of students loan funds available for students of Texas Technological College. Some of these funds are comparatively small in amount and are available only to certain groups of students. Other funds have been established by bequest; the interest on the principal is loaned to deserving students on fair security at a nominal rate of interest. In most cases loans are not made to new students.

**George T. Morrow Loan Fund**—This fund amounts to \$20,000. It was left to the College as a bequest of Mr. George T. Morrow, who was in business in Lubbock for a number of years.

**Will C. Hogg Loan Fund**—This fund amounts to \$25,000 left as a bequest by the donor whose name it bears. It is administered by a board of directors appointed in accordance with directions in the will of Mr. Hogg. This estate is now in process of settlement.

**Dr. R. J. Hall Loan Fund**—This fund was established as a bequest by Dr. R. J. Hall of Lubbock. The estate is now in the process of settlement.

**Rotary Loan Fund**—Members of the Rotary Club of Lubbock have contributed to this fund, the principal of which now amount to approximately \$7,000. The fund is available in small amounts to students who have attended the College a year or more and demonstrated their worthiness and ability.

**Twentieth Century Club Loan Fund**—This fund was originated in 1925, \$200 being raised the first year by an assessment of \$5 per member. Six students have borrowed from this fund, which amounts to \$415. The interest rate is four per cent and loans are made to either men or women.

**Home Economics Club Loan Fund**—This fund was established during the first year of the College by the Home Economics Club of the College. This organization holds a sale about Thanksgiving time each year. Money is loaned on the recommendation of the Home Economics Club Council and with the approval of Dean Margaret W. Weeks. This fund is open to Home Economics students who need the money. Four per cent interest is charged.

**Athenaeum Club Loan Fund**—This fund was started in 1926 and amounts now to \$250. It is available to any worthy woman student.

**The Business Women's Loan Fund**—This fund amounts to \$200 and most of this is now loaned out. It is available to any unmarried girl at five per cent interest. The fund was started the year school opened and is loaned on the basis of scholarship and character, and upon the recommendation of Dean Mary W. Doak.

**Engineering Society Loan Fund**—The Engineering Society maintains a small loan fund which is available to advanced engineering students.

**Agricultural Club Loan Fund**—The Agricultural Club has founded a small loan fund. Loans from this fund at present are limited to use in emergencies among Agricultural students and may not exceed \$25 or extend longer than four months.

**Freshman Loan Fund**—There is a small loan fund available for freshmen made up from a portion of the proceeds of the sale of freshman caps each year. Loans from this fund are limited to \$15 and do not extend beyond the end of the current semester.

## STUDENT EMPLOYMENT

Students will find it exceedingly difficult to earn sufficient money to pay all expenses of a college education during their residence in college. A limited number of students find it possible to earn sufficient money to pay for room and board while attending college. A few find it possible to earn all their expenses. These generally are confined to those students in the upper class who have developed special skill or acquired certain knowledge making them eligible for the few jobs connected with the College and in Lubbock which pay enough money to pay their entire expense.

The College maintains a Student Employment Bureau, the function of which is to aid worthy students in finding jobs. No student should come to Texas Technological College with the expectation of carrying a full course of study and reserving many hours for outside employment, leaving insufficient time to keep in good health and do creditable classroom work. So far as possible, the Student Employment Bureau will aid worthy young men and women who are possessed of good health and character and a pleasing personality, combined with industry and reliability, to find such jobs as may be available either at the College or in the City of Lubbock. No student should make application to the Bureau of Student Employment until he is assured that his credits have been accepted and his application for entrance to the College approved.

## STUDENT ORGANIZATIONS

### THE STUDENT COUNCIL

The Student Council is the official body of the students chosen to represent them in matters affecting student activities and to cooperate with the College administration in administering affairs peculiar to the students. It is made up of representatives of the various divisions and classes elected by vote of the student body.

### MUSICAL ORGANIZATIONS

The musical organizations of the College are directed by Julien Blitz, Dewey Wiley and members of the Music faculty.

**COLLEGE BAND** (numbering over one hundred) directed by Mr. Wiley. Plays on concert tours, at athletic meets, and at other College events. Rehearsals daily or weekly according to credit desired.

**COLLEGE ORATORIO** (chorus, orchestra, and soloists) directed by Mr. Blitz. One or two presentations per year.

**COLLEGE SYMPHONY ORCHESTRA**, directed by Mr. Blitz. Concerts and tours. Credit as ensemble.

**COLLEGE MIXED CHORUS**, directed by Mr. Blitz. Church and concert performances. Credit as ensemble.

**VARIOUS CHAMBER MUSIC ORGANIZATIONS**, directed by members of the faculty. Carries credit by arrangement with the Head of the Music Department.

### STUDENT PUBLICATIONS

There are at present two publications representing the student life of the College:

"The Toreador" is the College paper published twice each week by officers elected by the student body. It is the official publication of the student body and the College itself and constitutes the principal means of keeping the student body, faculty, and friends of the institution informed regarding the weekly news of the College.

"La Ventana" is the College annual published each year and issued near the end of the spring semester. It records the principal events and historical progress of the institution, together with a display of all phases and interests of College life.

The two College publications offer valuable training to students in the field of journalism and in business management of publications.

A student directory is published by the College near the beginning of each semester. It contains the names and addresses of all students, employees, and faculty members of the College.

### ARTIST COURSE

The Artist Course is a series of attractions sponsored by the College and offered to the student body at a cost of fifty cents per semester.

Such distinguished artists and organizations as Mme. Marguerite Matzenauer, Efram Zimbalist, Claire Clairbert, Sousa and his Band, Doris Kenyon, Tony Sarg's Marionetts, Harald Kreutzberg, Chernivsky Trio, Count Ilya Tolstoy, Cyrena van Gordon, the Ben Greet Players, the Jitney Players, Elizabeth Rehberg, Amelia Earhart, Kryl and his Band, Ruth Bryan Owen, and Vilhjalmur Stefansson have appeared under the sponsorship of this committee.

## ORATORY AND DEBATE

The ability to speak effectively is an extremely valuable asset, and the man of affairs who wishes to influence and persuade men cannot achieve the fullest measure of success without this ability. The courses offered in oratory and debate include those from simple speeches to formal addresses. Both informal and formal debates are studied. Intercollegiate debates have been arranged with some of the leading colleges in the State and abroad.

Students interested in debate have an opportunity for practice in the Debate Club. The Pre-Law Club furnishes additional opportunity.

## CLUBS AND SOCIETIES

The College authorities have followed the policy of encouraging student activities and organizations which seem to offer a field for individual self development. No organization among students on the campus will be permitted unless application is made to the College Administrative Council for the right to organize such a club, stating the object, type of membership, and the other matters necessary for its organization. Every organization must have the approval of the College Administrative Council. No club will be permitted to organize unless the objects are such as to promote not only the best interests of the individual students who become members, but also the best interests of the institution itself. All clubs and societies are required to have faculty sponsors, and the treasurers of student organizations are required to follow certain regulations and to deposit the funds with the College business office.

By a ruling of the Board of Directors, Greek letter social fraternities are not permitted in the College.

Among the more prominent organizations on the campus are the following:

### SERVICE CLUBS

The Association of Women Students, the Forum, the Junior Council, and Las Leales have the interest of the women students as their object. The Student Council promotes worthwhile student activities.

### RELIGIOUS ORGANIZATIONS

The Young Men's Christian Association and the Young Women's Christian Association endeavor to create and maintain Christian fellowship on the campus. The Student Religious Council serves as a discussion group for student problems.

### DEPARTMENTAL, HONOR, AND SCIENTIFIC CLUBS

The honor, divisional, and departmental organizations promote scholarship and such professional departmental and scientific interests as their names indicate. These clubs include: the Agricultural Club, Alpha Chi, Alpha Psi Omega, student branches of the American Institute of Electrical Engineers, the American Society of Civil Engineers, and the American Society of Mechanical Engineers, Block and Bridle Club, Botany Club, Cadet Officers' Club, Capa y Espada, Chemical Engineering Society, Dairy Club, Debate Club, Double Key, Double T, Engineering Society, Future Farmers of America, Gargoyle Club, Geological Engineering Society, Home Economics Club, International Relations Club, Phi Psi Fraternity (Kappa chapter), Physics Club, Pre-Law Club, Pre-Med Club, Press Club, Sigma Gamma Epsilon, Society for Promotion of Engineering Scholarship, Sock and Buskin Club, S. P. Q. R. (Latin Club) Tech Matador Band, Women's Athletic Association, Young Democrats Club. They serve the purpose of bringing together those whose interests are in common. Their work is primarily professional and educational, and the objects of these organizations are to be commended highly.

## EXPLANATION OF COURSE NUMBERS AND ABBREVIATIONS IN COURSE DESCRIPTIONS

The part of this bulletin which immediately follows is devoted to description of courses and curricula and a presentation of requirements.

In order to assist the reader in understanding the abbreviations and method of presentation used the following explanation has been prepared.

The numbers used for designating courses are uniform. Reading from left to right, the first digit indicates the college year in which the course is normally taken; the second digit shows the semester hour value of the course; the last digit or digits completes the course number. A course which extends over two semesters carries a hyphenated number, e. g., English 131x-2x. The "x" after course numbers is used to distinguish semester numbers from the twelve-weeks term numbers formerly used.

The credit hour value of the course is again shown after the name of the course. For courses not taught as straight theory, the numbers of hours per week devoted to lecture and laboratory, respectively, is shown in parenthesis after the credit hour value.

The semester in which a course is taught is indicated by the Roman numerals "I" or "II". If a course runs throughout the session, "I and II" is used. A one-semester course offered each semester is shown as "I, II". A one-year course, the first and second halves, respectively, of which are available each semester, is shown as "Each, I and II". The letter "S" indicates that the course normally is offered only in the summer session.

The prerequisite to a course, for which credit must have been received before assignment to the course, is included in the course description. If another course must be taken at the same time, it is indicated, "Registration in . . .".

## DIVISION OF AGRICULTURE

ARTHUR H. LEIDIGH, DEAN

### PURPOSE

The Division of Agriculture of Texas Technological College aims to afford its students a liberal education, including instruction in the scientific and technical subjects which are fundamental to an understanding of the agricultural industry.

The purpose in offering the courses of study here outlined is to meet the needs of those who desire to prepare themselves for service and life in some part of the agricultural organization of this country as a whole. Courses accordingly are offered for those who expect to operate farms or ranches, those who intend to enter manufacturing, technical or scientific professions bearing directly on agriculture, and those who desire to live in and be a part of a community in which the basic industry is agriculture. In all these courses it is felt that sympathy with and understanding of agricultural subjects and problems are of value to the intelligent citizen.

A good education for one engaged in any of the various branches of agriculture necessitates that part of the cultural courses of the usual college course be replaced by those which have a direct bearing on agriculture. The scientific and technical subjects studied are fundamental. In the latter years of the student's work, the scientific and agricultural subjects have both a more specific application to agriculture, and a more fundamental bearing on certain special lines of work which the student may desire to pursue as a life work.

### BUILDINGS

The buildings of the Division of Agriculture thus far completed consist of the Livestock Pavilion, the Dairy Barn, the first unit of the Greenhouse, and a small building used for offices and classrooms. These buildings are of permanent construction and are so planned that they may be added to as the occasion demands.

### EQUIPMENT

The Division of Agriculture maintains laboratories both in and out of doors. Approximately 700 acres of pasture land and 964 acres of cultivated lands and small pastures are available for laboratory purposes. In addition, the campus of 320 acres is used for laboratory instruction in special branches of horticulture. Extensive improvements have been made for the livestock and poultry and for instruction in plant industry.

### SERVICE

Instruction in all of the subjects offered in the various courses is available to all students in the College, whether they major in agriculture, or in one of the other divisions of the College. To the end that the agricultural equipment and facilities may serve the greatest number of people, the Division of Agriculture conducts contests for vocational agriculture students and boys' club members, as well as short courses and demonstrations of one to two days each.

### FIELD FOR GRADUATES

There is a demand for college educated men trained in specialized lines of agriculture, as well as for professional men with a basic agricultural education. Among the lines of work usually open to graduates are the following:



Farmers and farm managers; marketing agents; managers of co-operative associations; teachers in colleges and high schools; extension experts in agricultural colleges, railroad and land companies; dairy and creamery experts or operators; milk distributors; government and experiment station employees; horticultural experts; poultry experts; county agents; assistants in seed houses; agricultural writers for farm journals; plant quarantine inspectors; plant pathologists; entomologists trained in agriculture; city park superintendents; farm machinery specialists; field men for livestock associations; livestock feeding experts; and feed salesmen.

### TEACHER TRAINING IN VOCATIONAL AGRICULTURE

Federal and State requirements make it necessary that the teacher of vocational agriculture in the high school receive college training in agriculture. These requirements may be met in the Division of Agriculture. The Vocational Agriculture Certificate requires twelve semester hours in Education. These as well as the other requirements for this certificate are shown under **Vocational Agriculture Education**.

Teachers certificates other than in vocational agriculture may be secured in the Division of Agriculture. Part of the requirements are met by the curriculum and part may be met by electives. In some cases extra courses may need to be taken. Special certificates authorize the holders, after meeting certain requirements, to teach agriculture, and may entitle the school in which the holder teaches to receive State and Federal Aid. For more complete information see **Department of Education and Psychology** in this catalogue.

### INSTRUCTION BY CORRESPONDENCE

A limited number of subjects in the agricultural curricula are open for full or partial credit by correspondence. The general management of such instruction is treated in detail under the **Department of Extension**. In those cases where the students may carry out the experiments and practice away from the College, the laboratory material and supplies are to be provided at the student's expense and usually may be secured from the department concerned. Such laboratory expenses are in addition to the correspondence fee. Examinations are held at the College.

### TRIPS AND JUDGING TEAMS

To enable students to secure a better conception of the agricultural industry, the Division of Agriculture recommends and fosters trips of inspection and intercollegiate judging contests for advanced students, and offers every assistance to make such trips worthwhile. These trips are not required, and the College does not pay the expenses of the students. In the case of judging teams, staff members coach and train the teams outside of regular classes, supplementing class instruction.

### ADMISSION REQUIREMENTS

The requirements for admission to the Division of Agriculture are essentially the same as those for admission to the other divisions of the College. For details of these requirements, refer to **Entrance**.

### REQUIREMENTS FOR GRADUATION

Special courses of study are offered in agronomy, animal husbandry, horticulture, agricultural economics, dairy manufactures, and in teacher training in Vocational Agriculture.



All agricultural students are assigned to a definite course of study in the first two college years. This is to allow the student to become familiar with the courses of instruction and to decide fully as to his qualifications before making election of a specific major. The uniform requirements accordingly include survey courses in the various departments of the Division of Agriculture, a series of orientation lectures, and work in English, chemistry, biology, economics, and mathematics. Students who are found to be notably deficient in the fundamentals of oral or written English are required to remove such deficiency before proceeding with the work of the junior year.

On petition to the Dean of the Division of Agriculture other subjects than those in the uniform curriculum for the first two years may be followed, if a sufficiently good reason for such a procedure is shown. If other subject matter is studied, it will not be substituted for a part of the uniform requirements, but may possibly be considered for a part of the elective credit permissible in the junior or senior years of the respective curriculum followed, provided it meets the qualifications for supervised electives.

The four-year curricula leading to the degree of Bachelor of Science in Agriculture have a twofold purpose. It is desired that the student shall receive instruction in all of the fundamental courses relating to farming that are necessary for a broad occupational understanding of Southwestern agriculture. In addition to the fundamental courses which are required of all students in the four years, students are allowed to select departments in which they wish to do advanced work, and are allowed to elect a certain amount of non-required work. The student who is awarded a degree is thus, to some extent, a specialist in a particular field.

While the curricula as scheduled are believed to be adequate to cover the needs of the average student, it is possible to combine various portions of the work of two or more of them so that an even more specialized preparation may be secured. Substitution and combinations are permitted only when there is good evidence that the student desiring such work is reasonably certain he will follow the branch selected.

A candidate for a degree in agriculture must have had satisfactory farm, dairy, or other experience in labor or management during the recent years of his life. A statement giving details regarding this experience must be filed in the dean's office previous to the first semester of the candidate's senior year, and is required before registration for senior studies.

#### DEGREE

The degree of Bachelor of Science in Agriculture is conferred upon students who satisfactorily complete the required courses as outlined in the following pages. This degree is given with majors in agronomy, animal husbandry, horticulture, agricultural administration, farm management, vocational agriculture education, and dairy manufactures.

## CURRICULA FOR AGRICULTURE STUDENTS

## CURRICULUM IN AGRICULTURAL ECONOMICS

## Farm Management Major

Semester Hours  
Sem. I Sem. II

## Freshman Year

Bot. 131x-2x. General Botany .....	3	3
Chem. 131x-2x. General Chemistry .....	3	3
Eng. 131x-2x. Freshman Composition .....	3	3
A. H. 121x. Types and Market Classes of Cattle and Sheep .....	2	.....
A. H. 122x. Types and Market Classes of Hogs, Horses and Mules .....	.....	2
D. M. 131x. Principles of Dairy Manufacturing .....	3	.....
P. H. 131x. Farm Poultry .....	.....	3
Hort. 131x. Plant Propagation .....	3	.....
Agron. 131x. The Fundamentals of Crop Production .....	.....	3
G. A. 111x. Orientation for Agricultural Students .....	1	.....
P. E. 113x-4x or M. S. 113x-4x. Physical Education or Military Science .....	1	1
	19	18

## Sophomore Year

Ag. Eco. 235x. Principles of Economics .....	3	.....
Ag. Eco. 234x. Principles of Agricultural Marketing .....	.....	3
Chem. 341x. Organic Chemistry .....	4	.....
Chem. 220x. Qualitative Analysis .....	2	.....
Bact. 231x. Bacteriology .....	.....	3
Math. 231x-2x. Mathematics for Students of Agriculture .....	3	3
Eng. 234x. Special Work on Correct Usage .....	3	.....
Agron. 221x. Soils .....	2	.....
Hort. 231x. Vegetable Gardening .....	.....	3
A. H. 231x. Breeds of Livestock .....	.....	3
D. M. 222x. The Dairy Manufacturing Industry .....	.....	2
P. E. 213x-4x or M. S. 213x-4x. Physical Education or Military Science .....	1	1
	18	18

## Junior Year

**Ag. Eco. 311x-2x. Current Economics .....	1	1
*Ag. Eco. 321x. Cooperation in Agriculture .....	2	.....
**Ag. Eco. 322x. Marketing Agricultural Products .....	.....	2
Ag. Eco. 325x. Farm Records and Accounts .....	.....	2
Ag. Eco. 331x. Statistical Problems .....	3	.....
A. H. 331x. Animal Nutrition and Principles of Feeding .....	.....	3
Agron. 331x. Forage and Pasture Crops .....	3	.....
Hort. 341x. Principles of Genetics .....	.....	4
Engr. Dwg. 223x. Agricultural Drawing .....	.....	2
Speech 131x. Fundamentals of Speech .....	3	.....
Electives, supervised .....	5	3
	17	17

## Senior Year

*Ag. Eco. 411x-2x. Agricultural Economics Seminar .....	1	1
**Ag. Eco. 421x. Land Economics .....	2	.....
*Ag. Eco. 422x. Prices and Forecasting .....	.....	2
Ag. Eco. 423x. Farm Management .....	2	.....
G. A. 411x. Agricultural Lectures .....	1	.....
R. S. 421x. Methods of Research and Extension .....	2	.....
R. S. 422x. Rural Sociology .....	.....	2
Govt. 320x. American Government, National and State .....	2	.....
Electives in Agriculture .....	3	3
Electives, supervised .....	4	8
	17	16

\* Given in alternate years; given in 1935-36.

\*\* Given in alternate years; not given in 1935-36.

## CURRICULUM IN AGRICULTURAL ECONOMICS

## Agricultural Administration Major

	Semester Hours	
	Sem. I	Sem. II
<b>Freshman Year</b>		
Bot. 131x-2x. General Botany .....	3	3
Chem. 131x-2x. General Chemistry .....	3	3
Eng. 131x-2x. Freshman Composition .....	3	3
A. H. 121x. Types and Market Classes of Cattle and Sheep .....	2	
A. H. 122x. Types and Market Classes of Hogs, Horses and Mules .....		2
D. M. 131x. Principles of Dairy Manufacturing .....	3	
P. H. 131x. Farm Poultry .....		3
Hort. 131x. Plant Propagation .....	3	
Ag. 131x. The Fundamentals of Crop Production .....		3
G. A. 111x. Orientation for Agricultural Students .....	1	
P. E. 113x-4x or M. S. 113x-4x. Physical Education or Military Science .....	1	1
	19	18
<b>Sophomore Year</b>		
Ag. Eco. 235x. Principles of Economics .....	3	
Ag. Eco. 234x. Principles of Agricultural Marketing .....		3
Chem. 341x. Organic Chemistry .....	4	
Chem. 220x. Qualitative Analysis .....	2	
Bact. 231x. Bacteriology .....		3
Math. 231x-2x. Mathematics for Students of Agriculture .....	3	3
Eng. 234x. Special Work on Correct Usage .....	3	
Ag. 221x. Soils .....	2	
Hort. 231x. Vegetable Gardening .....		3
A. H. 231x. Breeds of Livestock .....		3
D. M. 222x. The Dairy Manufacturing Industry .....		2
P. E. 213x-4x or M. S. 213x-4x. Physical Education or Military Science .....	1	1
	18	18
<b>Junior Year</b>		
**Ag. Eco. 311x-2x. Current Economics .....	1	1
*Ag. Eco. 321x. Cooperation in Agriculture .....	2	
**Ag. Eco. 322x. Marketing Agricultural Products .....		2
Ag. Eco. 325x. Farm Records and Accounts .....		2
Ag. Eco. 331x. Statistical Problems .....	3	
B. A. 234x-5x. Introduction to Accounting .....	3	3
B. A. 334x-5x. Business Law .....	3	3
Govt. 320x. American Government, National and State .....	2	
Psy. 231x. Educational Psychology .....	3	
Psy. 338x. Business Psychology .....		3
Elective, supervised .....		3
	17	17
<b>Senior Year</b>		
*Ag. Eco. 411x-2x. Agricultural Economics Seminar .....	1	1
**Ag. Eco. 421x. Land Economics .....	2	
*Ag. Eco. 422x. Prices and Forecasting .....		2
Ag. Eco. 423x. Farm Management .....	2	
R. S. 421x. Methods of Research and Extension .....	2	
R. S. 422x. Rural Sociology .....		2
Speech 131x. Fundamentals of Speech .....	3	
Eco. 333x. Public Finance .....		3
G. A. 411x. Agricultural Lectures .....	1	
Electives, supervised .....	6	8
	17	16

\* Given in alternate years; given in 1935-36.

\*\* Given in alternate years; not given in 1935-36.

# CURRICULUM IN AGRICULTURAL EDUCATION

## Vocational Agriculture

	Semester Hours	
	Sem. I	Sem. II
<b>Freshman Year</b>		
Bot. 131x-2x. General Botany .....	3	3
Chem. 131x-2x. General Chemistry .....	3	3
Eng. 131x-2x. Freshman Composition .....	3	3
Agron. 131x. The Fundamentals of Crop Production .....	3	3
A. H. 121x. Types and Market Classes of Cattle and Sheep .....	2	.....
A. H. 122x. Types and Market Classes of Hogs, Horses and Mules .....	.....	2
D. M. 131x. Principles of Dairy Manufacturing .....	3	.....
Hort. 131x. Plant Propagation .....	3	.....
P. H. 131x. Farm Poultry .....	.....	3
G. A. 111x. Orientation for Agricultural Students .....	1	.....
P. E. 113x-4x or M. S. 113x-4x. Physical Education or Military Science .....	1	1
	19	18
<b>Sophomore Year</b>		
Bact. 231x. Bacteriology .....	.....	3
Chem. 220x. Qualitative Analysis .....	2	.....
Chem. 341x. Organic Chemistry .....	4	.....
Eng. 234x. Special Work on Correct Usage .....	3	.....
Math. 231x-2x. Mathematics for Students of Agriculture .....	3	3
Ag. Eco. 235x. Principles of Economics .....	3	.....
Ag. Eco. 234x. Principles of Agricultural Marketing .....	.....	3
Agron. 221x. Soils .....	2	.....
A. H. 231x. Breeds of Livestock .....	.....	3
D. M. 222x. The Dairy Manufacturing Industry .....	.....	2
Hort. 231x. Vegetable Gardening .....	.....	3
P. E. 213x-4x or M. S. 213x-4x. Physical Education or Military Science .....	1	1
	18	18
<b>Junior Year</b>		
Ag. Eco. 331x. Statistical Problems .....	3	.....
Ag. Eco. 325x. Farm Records and Accounts .....	.....	2
Ag. Engr. 321x-2x. Farm Shop .....	2	2
Agron. 331x. Forage and Pasture Crops .....	3	.....
A. H. 322x. Farm Meats .....	2	.....
A. H. 331x. Animal Nutrition and Principles of Feeding .....	.....	3
Hort. 341x. Principles of Genetics .....	.....	4
Govt. 320x. American Government, National and State .....	.....	2
Vet. 332x. Livestock Diseases and Parasites .....	.....	3
Ed. 234x. Principles of Secondary Education .....	.....	3
Psy. 231x. Educational Psychology .....	3	.....
Speech 131x. Fundamentals of Speech .....	3	.....
Electives .....	1	.....
	17	19
<b>Senior Year</b>		
Ag. Ed. 441x-2x. Agricultural Education .....	4	4
Ag. Eco. 423x. Farm Management .....	2	.....
Agron. 421x. Cotton and Other Fiber Crops .....	.....	2
Agron. 422x. Soil Management .....	2	.....
Ag. Engr. 411x. Soil Management Laboratory .....	1	.....
A. H. 441x. Livestock Production .....	.....	4
P. H. 431x. Poultry Production .....	3	.....
D. M. 323x. Market Grades and Classification of Dairy Products .....	.....	2
Hort. 322x. Landscape Appreciation .....	.....	2
R. S. 421x. Methods of Research and Extension .....	2	.....
P. I. 331x. Plant Insects and Diseases and their Controls .....	3	.....
Electives .....	1	5
	18	19

## CURRICULUM IN ANIMAL HUSBANDRY

	Semester Hours	
	Sem. I	Sem. II
<b>Freshman Year</b>		
A. H. 121x. Types and Market Classes of Cattle and Sheep .....	2	.....
A. H. 122x. Types and Market Classes of Hogs, Horses and Mules .....	2	.....
D. M. 131x. Principles of Dairy Manufacturing .....	3	.....
P. H. 131x. Farm Poultry .....	3	.....
Hort. 131x. Plant Propagation .....	3	.....
Agron. 131x. The Fundamentals of Crop Production .....	3	.....
Bot. 131x-2x. General Botany .....	3	.....
Chem. 131x-2x. General Chemistry .....	3	.....
Eng. 131x-2x. Freshman Composition .....	3	.....
G. A. 111x. Orientation for Agricultural Students .....	1	.....
P. E. 113x-4x or M. S. 113x-4x. Physical Education or Military Science .....	1	1
	19	18
<b>Sophomore Year</b>		
A. H. 231x. Breeds of Livestock .....	3	.....
D. M. 222x. The Dairy Manufacturing Industry .....	2	.....
Agron. 221x. Soils .....	2	.....
Hort. 231x. Vegetable Gardening .....	3	.....
Ag. Eco. 235x. Principles of Economics .....	3	.....
Ag. Eco. 234x. Principles of Agricultural Marketing .....	3	.....
Chem. 341x. Organic Chemistry .....	4	.....
Chem. 220x. Qualitative Analysis .....	2	.....
Bact. 231x. Bacteriology .....	3	.....
Math. 231x-2x. Mathematics for Students of Agriculture .....	3	3
Eng. 234x. Special Work on Correct Usage .....	3	.....
P. E. 213x-4x or M. S. 213x-4x. Physical Education or Military Science .....	1	1
	18	18
<b>Junior Year</b>		
A. H. 321x. Advanced Livestock Judging .....	2	.....
A. H. 322x. Farm Meats .....	2	.....
A. H. 331x. Animal Nutrition and Principles of Feeding .....	3	.....
Vet. 331x. Anatomy and Physiology .....	3	.....
Vet. 332x. Livestock Diseases and Parasites .....	3	.....
Agron. 331x. Forage and Pasture Crops .....	3	.....
Hort. 341x. Principles of Genetics .....	4	.....
Ag. Eco. 325x. Farm Records and Accounts .....	2	.....
Ag. Eco. 331x. Statistical Problems .....	3	.....
Speech 131x. Fundamentals of Speech .....	3	.....
Electives .....	4	3
	17	18
<b>Senior Year</b>		
G. A. 411x. Agricultural Lectures .....	1	.....
A. H. 411x. Animal Husbandry Seminar .....	1	.....
A. H. 422x. Animal Breeding .....	2	.....
A. E. 423x. Farm Management .....	2	.....
Govt. 320x. American Government, National and State .....	2	.....
Departmental electives from the following list .....	5 or 6	6
A. H. 421x. Purebred Herds and Flocks.		
A. H. 431x. Beef Production.		
A. H. 432x. Horse Production.		
A. H. 433x. Sheep Production.		
A. H. 434x. Swine Production.		
A. H. 435x. Dairy Cattle Production.		
P. H. 431x. Poultry Production		
Electives .....	6	7-8
	13-17	16-17

## CURRICULUM IN DAIRY MANUFACTURES

Semester Hours  
Sem. I Sem. II

## Freshman Year

D. M. 131x. Principles of Dairy Manufacturing .....	3	.....
P. H. 131x. Farm Poultry .....	3	3
Hort. 131x. Plant Propagation .....	3	.....
Agron. 131x. The Fundamentals of Crop Production .....	3	3
A. H. 121x. Types and Market Classes of Cattle and Sheep .....	2	.....
A. H. 122x. Types and Market Classes of Hogs, Horses and Mules .....	2	.....
Bot. 131x-2x. General Botany .....	3	3
Chem. 131x-2x. General Chemistry .....	3	3
Eng. 131x-2x. Freshman Composition .....	3	3
G. A. 111x. Orientation for Agricultural Students .....	1	.....
P. E. 113x-4x or M. S. 113x-4x. Physical Education or Military Science .....	1	1
	19	18

## Sophomore Year

D. M. 222x. The Dairy Manufacturing Industry .....	2	.....
Bact. 231x. Bacteriology .....	3	.....
Chem. 341x. Organic Chemistry .....	4	.....
Chem. 220x. Qualitative Analysis .....	2	.....
Ag. Eco. 235x. Principles of Economics .....	3	.....
Ag. Eco. 234x. Principles of Agricultural Marketing .....	3	3
A. H. 231x. Breeds of Livestock .....	3	.....
Agron. 221x. Soils .....	2	.....
Hort. 231x. Vegetable Gardening .....	3	.....
Math. 231x-2x. Mathematics for Students of Agriculture .....	3	3
Eng. 234x. Special Work on Correct Usage .....	3	.....
P. E. 213x-4x or M. S. 213x-4x. Physical Education or Military Science .....	1	1
	18	18

## Junior Year

D. M. 323x. Market Grades and Classification of Dairy Products .....	2	.....
D. M. 321x. Technical Control of Dairy Products .....	2	.....
D. M. 322x. Dairy Plant Equipment .....	2	.....
D. M. 331x-2x. Market Milk and Inspection .....	3	3
D. M. 335x. Dairy Bacteriology .....	3	.....
A. H. 331x. Animal Nutrition and Principles of Feeding .....	3	.....
Ag. Eco. 331x. Statistical Problems .....	3	.....
Speech 131x. Fundamentals of Speech .....	3	.....
Hort. 341x. Principles of Genetics .....	4	.....
Electives .....	4	2
	17	17

## Senior Year

G. A. 411x. Agricultural Lectures .....	1	.....
D. M. 411x. Dairy Manufactures Seminar .....	1	.....
D. M. 420x. Dairy Products Merchandising .....	2	.....
D. M. 421x. Creamery Organization and Control .....	2	.....
D. M. 422x. Dairy Technology .....	2	.....
D. M. 431x. Cheese Making .....	3	.....
D. M. 433x. Ice Cream Making .....	3	.....
D. M. 441x. Butter Making .....	4	.....
Govt. 320x. American Government, National and State .....	2	.....
Electives .....	5	8
	17	16

## CURRICULUM IN PLANT INDUSTRY

## Agronomy Major

	Semester Hours	
	Sem. I	Sem. II
<b>Freshman Year</b>		
Bot. 131x-2x. General Botany .....	3	3
Hort. 131x. Plant Propagation .....	3	
Agron. 131x. The Fundamentals of Crop Production .....		3
Chem. 131x-2x. General Chemistry .....	3	3
Eng. 131x-2x. Freshman Composition .....	3	3
A. H. 121x. Types and Market Classes of Cattle and Sheep .....	2	
A. H. 122x. Types and Market Classes of Hogs, Horses and Mules .....		2
D. M. 131x. Principles of Dairy Manufacturing .....	3	
P. H. 131x. Farm Poultry .....		3
G. A. 111x. Orientation for Agricultural Students .....	1	
P. E. 113x-4x or M. S. 113x-4x. Physical Education or Military Science .....	1	1
	19	18
<b>Sophomore Year</b>		
Agron. 221x. Soils .....	2	
Hort. 231x. Vegetable Gardening .....		3
Chem. 341x. Organic Chemistry .....	4	
Chem. 220x. Qualitative Analysis .....	2	
Bact. 231x. Bacteriology .....		3
Math. 231x-2x. Mathematics for Students of Agriculture .....	3	3
Eng. 234x. Special Work on Correct Usage .....	3	
Ag. Eco. 235x. Principles of Economics .....	3	
Ag. Eco. 234x. Principles of Agricultural Marketing .....		3
A. H. 231x. Breeds of Livestock .....		3
D. M. 222x. The Dairy Manufacturing Industry .....		2
P. E. 213x-4x or M. S. 213x-4x. Physical Education or Military Science .....	1	1
	18	18
<b>Junior Year</b>		
Agron. 331x. Forage and Pasture Crops .....	3	
*Agron. 433x. Advanced Crop Judging and Grain Grading .....	3	
*Hort. 333x. Fruit Culture .....	3	
Hort. 341x. Principles of Genetics .....		4
P. I. 331x. Plant Insects and Diseases and their Controls .....	3	
T. E. 311x. Cotton Grading and Classing .....		1
Ag. Eco. 325x. Farm Records and Accounts .....		2
Ag. Eco. 331x. Statistical Problems .....	3	
A. H. 331x. Animal Nutrition and Principles of Feeding .....		3
Engr. Dwg. 223x. Agricultural Drawing .....		2
Speech 131x. Fundamentals of Speech .....	3	
Ag. Engr. 323x. Farm Machinery .....		2
Electives .....		3
	18	17
<b>Senior Year</b>		
**Agron. 332x. Grain Crops .....		3
Agron. 421x. Cotton and Other Fiber Crops .....	2	
Agron. 422x-3x. Soil Management .....	2	2
Ag. Engr. 411x-2x. Soil Management Laboratory .....	1	1
P. I. 411x. Plant Industry Seminar .....		1
P. I. 431x. Advanced Plant Breeding and Improvement .....		3
G. A. 411x. Agricultural Lectures .....	1	
Ag. Eco. 423x. Farm Management .....	2	
Govt. 320x. American Government, National and State .....	2	
Electives .....	6	6
	16	16

\* Given in alternate years; given in 1935-36.

\*\* Given in alternate years; not given in 1935-36.



CURRICULUM IN PLANT INDUSTRY		Semester Hours	
Horticulture Major		Sem. I	Sem. II
<b>Freshman Year</b>			
Bot. 131x-2x. General Botany .....	3	3	
Hort. 131x. Plant Propagation .....	3		
Agron. 131x. The Fundamentals of Crop Production .....			3
Chem. 131x-2x. General Chemistry .....	3	3	
Eng. 131x-2x. Freshman Composition .....	3	3	
A. H. 121x. Types and Market Classes of Cattle and Sheep .....	2		
A. H. 122x. Types and Market Classes of Hogs, Horses and Mules .....		2	
D. M. 131x. Principles of Dairy Manufacturing .....	3		
P. H. 131x. Farm Poultry .....			3
G. A. 111x. Orientation for Agricultural Students .....	1		
P. E. 113x-4x or M. S. 113x-4x. Physical Education or Military Science .....	1	1	
	19	18	
<b>Sophomore Year</b>			
Agron. 221x. Soils .....	2		
Hort. 231x. Vegetable Gardening .....			3
Chem. 341x. Organic Chemistry .....	4		
Chem. 220x. Qualitative Analysis .....	2		
Bact. 231x. Bacteriology .....			3
Math. 231x-2x. Mathematics for Students of Agriculture .....	3	3	
Eng. 234x. Special Work on Correct Usage .....	3		
Ag. Eco. 235x. Principles of Economics .....	3		
Ag. Eco. 234x. Principles of Agricultural Marketing .....			3
A. H. 231x. Breeds of Livestock .....			3
D. M. 222x. The Dairy Manufacturing Industry .....			2
P. E. 213x-4x or M. S. 213x-4x. Physical Education or Military Science .....	1	1	
	18	18	
<b>Junior Year</b>			
*Hort. 333x. Fruit Culture .....	3		
Hort. 341x. Principles of Genetics .....			4
Agron. 331x. Forage and Pasture Crops .....	3		
P. I. 331x. Plant Insects and Diseases and their Controls .....	3		
A. H. 331x. Animal Nutrition and Principles of Feeding .....			3
Ag. Eco. 325x. Farm Records and Accounts .....			2
Ag. Eco. 331x. Statistical Problems .....	3		
Speech 131x. Fundamentals of Speech .....	3		
Departmental electives from the following list .....	3	3	
Hort. 322x. Landscape Appreciation .....			
**Hort. 331x. Trees and Shrubs .....			
*Hort. 232x. Annuals and Perennials .....			
Hort. 336x-7x. Landscape Design .....			
*Hort. 421x. Citriculture .....			
Electives .....			5
	18	17	
<b>Senior Year</b>			
**Hort. 431x-2x. Advanced Pomology .....	3	3	
Agron. 422x-3x. Soil Management .....	2	2	
Ag. Engr. 411x-2x. Soil Management Laboratory .....	1	1	
P. I. 411x. Plant Industry Seminar .....			1
P. I. 431x. Advanced Plant Breeding and Improvement .....			3
G. A. 411x. Agricultural Lectures .....	1		
Ag. Eco. 423x. Farm Management .....	2		
Govt. 320x. American Government, National and State .....	2		
Department electives from the following list .....	3	3	
**Hort. 334x-5x. Principles of Floriculture .....			
**Hort. 433x. Systematic Pomology .....			
Electives .....	3	2	
	17	15	

\* Given in alternate years; given in 1935-36.

\*\* Given in alternate years; not given in 1935-36.



### ELECTIVES

Prior to the beginning of the junior year the student in consultation with the head of the department, shall designate his electives. These electives must be approved by the head of the department and by the Dean of the Division of Agriculture.

The student will select his electives from a list of subjects prepared by the Head of the Department and approved by the Dean of the Division. The student will file reasons for his choice of electives.

#### AGRICULTURAL ECONOMICS AND FARM MANAGEMENT

Subjects will be elected to support the selected major excepting for twelve hours of open electives which may include Foods 133x. Students in the Farm Management major will elect courses in advanced agriculture while students in the Agricultural Administration major will select half of their elective hours in Economics, Business Administration, or Agricultural Economics. The other half may be in these subjects or in advanced agriculture.

Not less than a year's work may be elected from one department unless a course is not continuous. Ag. Eco. 361x and 326x may be substituted for certain advanced courses in Agricultural Economics if approved by the heads of the departments concerned.

#### ANIMAL HUSBANDRY

Not less than a year's work may be elected from any department unless a course is not continuous. Not more than three hours of elective work, in addition to the required work, may be credited from the Department of Animal Husbandry.

#### DAIRY MANUFACTURES

The electives will be chosen from the following elective groups:

Group A. General Agriculture Minor—Courses to be selected from departments in the Division other than Dairy Manufactures. Three hours elective work in Dairy Manufactures will be allowed.

Group B. General Science Minor—Chemistry, Bacteriology, Physics, Mathematics, Engineering Drawing.

Group C. Business Administration and Economics—Business Administration, Economics including Agricultural Economics, Psychology.

Group D. Combination of A, B, and C and Journalism, Physical Education, Bible, Foods, Ed. 234x.

#### HORTICULTURE

Not more than three hours of elective work in addition to the required work, may be credited from Horticulture. Electives may be chosen from the following minor groups:

A. Minor in Agriculture: Subjects in the departments of the Division of Agriculture; also Ed. 234x, Psy. 231x, C. E. 220x, Engr. Dwg. 223x.

B. Minor in Science: Subjects in the following departments: Biology, Chemistry, Geology, Mathematics, French, German, Physics; also Foods 133x.

C. Miscellaneous: Subjects in the following departments: Architecture, Journalism, Physical Education, Speech, Bible.

D. A combination of A, B, and C.

#### AGRONOMY

Not more than three hours of elective work in addition to the required work, may be credited from Agronomy. Electives may be chosen from the following minor groups:

A. Minor in Agriculture: Subjects in the departments of the Division of Agriculture; also Ed. 234x, Psy. 231x, C. E. 220x.

B. Minor in Science: Subjects in the following departments: Biology, Chemistry, Geology, Mathematics, French, German, Physics; also Foods 133x.

C. Miscellaneous: Subjects in the following departments: Journalism, Physical Education, Speech, Bible.

D. A combination of A, B, and C.

## DEPARTMENT OF AGRICULTURAL ECONOMICS, FARM MANAGEMENT, AND RURAL SOCIOLOGY

PROFESSORS ELLSWORTH, LEIDIGH. PRESIDENT KNAPP.  
ASSISTANT PROFESSOR\_\_\_\_\_

The objective in this department is to provide instruction leading to the solution of the basic economic problems of technologically trained students and in the business aspects of farming and ranching. Emphasis is placed on a study of consumer demand for agricultural products and of the methods best adapted to supplying such demand most economically, to increasing the standards of living of farm people, and to improve the agricultural industry as a whole.

In addition to providing instruction required of all agricultural students, courses are provided for students who wish preparation for research positions and commercial and industrial vocations closely allied with agriculture. The degree of Bachelor of Science with a major in Farm Management or in Agricultural Administration is offered on the completion of the work prescribed by the department. The curriculum in Farm Management is intended to meet the needs of students who expect to return to the farm, or enter county agent work, or vocational agriculture. The major in Agricultural Administration is intended for students who wish a basic training in agriculture and in the related sciences with more emphasis placed upon the business aspects, thus fitting them for positions with city organizations whose business is partly with farm and ranch people.

### AGRICULTURAL ECONOMICS

**231x-2x. Principles of Economics.** Cr. 3. I and II. Prerequisite: Sophomore standing. Analysis of fundamental economic theories and principles and their applications to the professional life of the technologically trained student of agriculture, engineering, and home economics. Problems in economic and technical production and consumption, competition, transportation, taxation, mechanization, specialization, money, exchange, labor. Assigned readings in current economic problems of personal interest. Same as Eco. 231x-2x, Sec. 9.

**234x. Principles of Agricultural Marketing.** Cr. 3 (2-3). II. Formerly 232. Prerequisite: Ag. Eco. 235x or its equivalent. The principles of marketing agricultural commodities. The application of economic fundamentals to the sale and purchase of farm products and supplies. Current changes in marketing conditions, consumer demand, price relationship, and natural and artificial control of sales functions. Field trips to local marketing institutions.

**235x. Principles of Economics.** Cr. 3. I, II. Formerly 233x. Prerequisite: Sophomore standing. The same general subject matter as in 231x-2x except that it is covered in one semester. For students in the technological departments who wish a brief working concept of economic theory, to be followed by its application to their vocations. Same as Eco. 235x.

**311x-2x. Current Economics.** Cr. 1. I and II. Prerequisite: Junior standing. A discussion of current economic problems as affecting agriculture. Assigned readings, discussions, and reports. Given alternate years, not given in 1935-36.

**321x. Cooperation in Agriculture.** Cr. 2. I. Formerly 333. Prerequisite: Ag. Eco. 234x. Development, importance, and fundamental principles underlying cooperative purchasing, and cooperative production. Pooling systems, membership contracts, and laws affecting cooperative action of rural people. Several field trips to study existing West Texas cooperatives. Given in alternate years; given in 1935-36.

**322x. Marketing Agricultural Products.** Cr. 2. II. Formerly 337. Prerequisite: Ag. Eco. 234x. Problems and practices involved in the marketing of specific commodities as cotton, wheat, beef, hogs, dairy products, poultry, as especially adapted to the conditions of West Texas. Each student devotes most of his time in the course studying the marketing of a commodity of his choice. Given in alternate years; not given in 1935-36.

**325x. Farm Records and Accounts.** Cr. 2. II. Formerly 335. Prerequisite: Junior standing. Application of principles and theory of accounting to farm and ranch business. Formulation and interpretation of farm records, including single enterprise cost accounts, complete cost accounts, and farm inventories. Analysis and adaption of various methods of farm bookkeeping and accounting.

**326x. Field Problems in Farm Management.** Cr. 2. S. Prerequisite: Permission of the instructor. A field trip of two weeks of about two thousand miles, studying various type farms and markets in Texas. Carefully planned itinerary providing stops for study at typical farms and ranches in the regions of the Edwards Plateau, Rio Grande Valley, Coast Prairie, Black Prairie, and the High Plains. Markets in the large cities, also the experiment stations and colleges enroute, visited. Expenses: about forty to fifty dollars including registration, transportation, meals, and lodging.

**331x. Statistical Problems.** Cr. 3. I. Formerly 334. Prerequisite: Junior standing, one year of mathematics. A survey of the important sources of agricultural statistics. Principles involved in the collection, analysis, presentation, and interpretation of agricultural data. Practice in statistical methods, including sampling, tabulations, averages, dispersion, probability, error, index numbers, trends, cycles, correlation.

**361x. Field Problems in Agricultural Economics.** Cr. 6. S. Prerequisite: Permission of the instructor. A field trip of six weeks of from four to six thousand miles, studying improved agricultural practices and visiting points of interest in leading agricultural states. A detailed itinerary will include stops in each state enroute where studies will be made with the assistance of the respective state agricultural colleges and of the United States Department of Agriculture. Expenses: About \$175, including registration, transportation, meals, lodging.

**411x-2x. Agricultural Economics Seminar.** Cr. 1. I and II. Formerly 411-2-3. Prerequisite: Senior standing, or permission of the instructor. A discussion of current problems in the economics of agriculture. Topics and assigned readings, reports and discussions. Given in alternate years; given in 1935-36.

**421x. Land Economics.** Cr. 2. I. Formerly 431. Prerequisite: Junior standing. Land as a factor of production; classification and utilization of land; land income, tenure, calculation, property rights, deeds, credit, taxation. Given in alternate years; not given in 1935-36.

**422x. Agricultural Prices and Forecasting.** Cr. 2. II. Formerly 433. Prerequisite: Ag. Eco. 331x. The application of statistical methods to the refinement and practical use of agricultural prices and forecasting. Original research applied to one agricultural commodity of the student's choice. Given in alternate years; given in 1935-36.

**423x. Farm Management.** Cr. 2 (1-3). I. Formerly 432. Prerequisite: Senior standing. The organization and management of the individual farm; types and systems of farming; capital requirements; farm machinery and equipment; labor supply and distribution. Factors affecting farm profits; practice in taking farm inventories and in making plans for reorganization. Field trips to nearby farms.

## RURAL SOCIOLOGY

**221x. Principles of Boy Scouting.** Cr. 2 (1-3). II. Open to men only. Lectures demonstrations, hikes. Leadership of young men. Theory, methods, and practices of boy scout subject matter. Alternates with 222x; given in 1935-36.

**222x. Principles of Scoutmastership.** Cr. 2. II. Problems involved in the training of boys. Principles of education applied to the boy scout program and to methods of leadership. Lectures by specialists. Discussion. Alternates with 221x; not given in 1935-36.

**421x. Methods of Research and Extension.** Cr. 2 (1-3). I. Prerequisite: Junior or senior standing. Methods used in agricultural and home economics research and extension. Problems confronting research workers, county agents, and home demonstration agents. Use and development of rural leadership and institutions in the improvement of rural life. Taught by President Knapp.

**422x. Rural Sociology.** Cr. 2. II. Prerequisite: Junior or senior standing. Rural institutions and how they may be utilized to improve standards of living of rural people. The interrelation of rural and urban interests. Community and personal relationships and attitudes. Progressive and disorganizing tendencies as influenced by the economic situation. Methods of dealing with the problems involved. Taught by Dean Leidigh.

Courses in this department which may be taken for graduate credit are: Ag. Eco. 311x-2x, 321x, 322x, 325x, 331x, 361x, 411x-2x, 421x, 422x, 423x; R. S. 421x, 422x.

## DEPARTMENT OF ANIMAL HUSBANDRY

PROFESSORS STANGEL\*, MOWERY. ASSOCIATE PROFESSOR  
HARBAUGH.

The Department of Animal Husbandry provides instruction designed to train students to select, breed, feed, manage, and market farm and ranch animals and poultry. It is the function of this department to furnish the student with the instruction and the facilities for developing a background of sound principles, information and skill which will enable him either to conduct livestock enterprises, or to engage in general farming, in which the production and utilization of livestock become integral parts of his system of farming.

Students may major in Animal Husbandry as candidates for the Degree of Bachelor of Science in Agriculture. Several of the courses offered are required of all Agriculture students, but any student in the College who has the prerequisites may enroll in any of the courses offered.

The Department owns two breeds of beef cattle, and three breeds each of dairy cattle, hogs, and sheep; three varieties of poultry; and Percheron Horses—all of which are maintained primarily for class instruction. The equipment of the department includes a livestock judging pavilion, a dairy barn with silo, two horse barns, and a central hog house. In addition to large permanent pastures, there are also forty acres in sheep pastures, twenty acres in hog pastures, and ten acres in a poultry farm, all fenced and cross fenced and provided with housing facilities. Laboratory equipment for instruction in veterinary science, poultry brooding and incubation, and livestock feeding and production is also available.

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\*Leave of absence 1935-36.

## ANIMAL HUSBANDRY

**121x. Types and Market Classes of Cattle and Sheep.** Cr. 2 (1-3). I. Formerly 134. The cattle and sheep industries. Description and value of types. Markets and market classifications. Slaughtering, carcasses, and packing house by-products. Wools and wool growing. Scorecard and comparative judging.

**122x. Types and Market Classes of Hogs, Horses and Mules.** Cr. 2 (1-3). II. Formerly 135. The hog, horse and mule industries. Description of types. Hog salughtering, carcasses, and packing house by-products. Horse anatomy. Markets and market classes. Scorecard and comparative judging.

**231x. Breeds of Livestock.** Cr. 3. I, II. Formerly 232 or 221x. Prerequisite: A. H. 121x, 122x. The development of the breeds of farm animals. Special emphasis upon the work of recent prominent breeders and the merits of individual animals.

**321x. Advanced Livestock Judging.** Cr. 2 (0-6). I. Formerly 331. Prerequisite: A. H. 231x, junior standing. Contrasting study and comparative show yard judging and grading of cattle, horses, mules, sheep and swine. Selection of breeding and market animals. Inspection trips to farm herds, flocks, and leading livestock shows.

**322x. Farm Meats.** Cr. 2 (0-6). I. Formerly 436. Prerequisite: A. H. 121x, 122x. Form, quality, and condition as affecting dressing percentage and quality of carcass. Slaughtering, dressing, cutting, and curing. Uses and market demands. Class limited to not more than sixteen.

**323x. Dairy Cattle.** Cr. 2 (1-3). I. Prerequisite: A. H. 121x. Origin, history, and characteristics of breeds. Outstanding breeders, families, and individuals. Judging. Advanced registry.

**331x. Animal Nutrition and Principles of Feeding.** Cr. 3 (2-3). I, II. Formerly 341. Prerequisite: A. H. 121x, 122x. Chem 341x. Chemical composition of plants and animals. Digestion and metabolism. Digestibility, energy, and manurial value of feeds. Feeding standards and feeds. Feed requirements and calculation of rations for maintenance, growth, fattening, milk and wool production, and work. Practical feeding of laboratory animals.

**411x. Animal Husbandry Seminar.** Cr. 1. II. Formerly 411. Prerequisite: Senior standing in Animal Husbandry. Assigned subjects. Review of recent investigations. Reports and discussions.

**421x. Purebred Herds and Flocks.** Cr. 2 (0-6). I. Formerly 430. Prerequisite: A. H. 321x. Blood lines, outstanding individuals, and selection of foundation sires and females.

**422x. Animal Breeding.** Cr. 2. I. Formerly 438. Prerequisite: Hort. 341x. Genetics applied to the improvement of farm animals. Fertility and sterility. Systems of breeding.

**423x. Research Problems in Animal Husbandry.** Cr. 2. II. Formerly 439. Prerequisite: Open only to seniors in Animal Husbandry having satisfactory scholastic records. Investigations of a recent problem in the field of animal husbandry of special interest to individual students, and preparation of thesis.

**431x. Beef Production.** Cr. 3. I. Formerly 431. Prerequisite: A. H. 331x. The beef cattle industry. Breeding, feeding, and marketing. Purebred herd and range management. Cattle ranching. Fitting for show and showing. Disease control. Laboratory practice with farm animals and equipment done as assigned problems.

**432x. Horse Production.** Cr. 3. II. Formerly 432. Prerequisite: A. H. 331x. Review of the horse and mule industry. Breeding, feeding, breaking, training, stabling, harness and harnessing, and shoeing. Fitting for sale and show. Caring for brood mare and foal, stallion, and jack. Parasites and diseases. Laboratory practice with farm animals and equipment is done as assigned problems.

**433x. Sheep Production.** Cr. 3. II. Formerly 433. Prerequisite: A. H. 331x. The sheep industry. Adaption of breeds. Breeding, feeding, shearing, and marketing. Farm flock and range management. Fitting for show and showing. Parasites and diseases. Laboratory practice with farm animals and equipment is done as assigned problems.

**434x. Swine Production.** Cr. 3. II. Formerly 434. Prerequisite: A. H. 331x. The swine industry. Breeding, feeding, housing, marketing. Fitting for show and showing. Parasites, diseases, and sanitation. Laboratory practice with farm animals and equipment is done as assigned problems.

**435x. Dairy Cattle Production.** Cr. 3. I. Formerly 435. Prerequisite: A. H. 331x. The dairy industry. Feeding for growth, maintenance, and milk production. Handling and marketing milk and animals. Dairy barn construction and sanitation. Advanced registry and herd records. Laboratory practice with farm animals and equipment is done as assigned problems.

**441x. Livestock Production.** Cr. 4 (3-3). Prerequisite: A. H. 331x. A modified course of A. H. 431x, 432x, 433x, 434x, and 435x. Problems. Feeds; feeding and managing of beef and dairy cattle, hogs, horses, mules, and sheep. For non-Animal Husbandry majors.

#### POULTRY HUSBANDRY

**131x. Farm Poultry.** Cr. 3 (2-3). I, II. Formerly A. H. 231. The poultry industry. Classes, breeds, and varieties. Judging, culling, breeding, feeding, housing, and marketing. Diseases and sanitation.

**221x. Principles of Poultry Production.** Cr. 2 (1-3). II. Formerly A. H. 233. Culling, incubation, brooding, feeding housing, management, sanitation, judging, and marketing of farm poultry flocks. For Home Economics students who plan to become home demonstration agents.

**331x. Incubation and Brooding.** Cr. 3 (1-6). II. Formerly A. H. 322 and 323. Prerequisite: P. H. 131x. Selection and care of eggs for hatching. Operation of incubator. Removing the hatch. Operation of a brooder for four weeks. Management and feeding of chicks until six weeks of age.

**431x. Poultry Production.** Cr. 3 (2-3). I. Formerly A. H. 437. Prerequisite: P. H. 131x, and A. H. 331x. The poultry industry. Breeding, hatching, brooding, feeding for egg production and market, marketing and housing. Grades and classes. Disease control, parasites, and sanitation. Laboratory practice with farm animals and equipment, is now done as assigned problems.

#### VETERINARY SCIENCE

**331x. Anatomy and Physiology.** Cr. 3 (2-3). I. Formerly Vet. 331 and 332. Prerequisite: A. H. 121x, 122x. The skeletal, muscular, digestive, circulatory, respiratory, and reproductive organs of farm animals. The physiology of the blood, lymph, circulatory, and respiratory systems, ductless glands, digestion, absorption, and organs of elimination.

**332x. Livestock Diseases and Parasites.** Cr. 3. II. Formerly Vet. 333. The common infectious and non-infectious diseases. Common external and internal parasites. Prevention, treatment, and sanitation.

Courses in this department which may be taken for graduate credit are: 322x, 331x, 411x, 422x, 431x, 432x, 433x, 434x, 435x, and 441x.



## DEPARTMENT OF DAIRY MANUFACTURES

PROFESSOR RENNER. ASSISTANT PROFESSOR PEDERSON.  
INSTRUCTOR PRICHARD.

The Department of Dairy Manufactures offers courses designed to instruct the student in the fundamentals of the science of dairying. Special courses are offered in those technical subjects which prepare the student to become a dairy plant operator. The general curriculum of the department is so arranged that courses of instruction relating to industries closely allied with the dairy industry may be selected. Special emphasis is placed on liberal instruction in agriculture and in the fundamental sciences.

Certain courses in this department are required of all Agriculture students. While much of the work taught is planned specially for students majoring in this technical subject, all students in the College who have the proper prerequisites may enroll in these courses.

The department maintains a small dairy plant equipped for use in teaching courses in dairy manufactures. Local dairy plants are available for laboratory work in advanced classes. A small dairy laboratory is maintained with sufficient scientific equipment for making analyses of dairy products for individuals within the State. This service is done at the actual cost of performing the tests.

**131x. Principles of Dairy Manufacturing.** Cr. 3 (2-3). I, II. Formerly 131. A general survey of the field of dairying. Composition of milk, milk analysis, manufacture of farm dairy products. Separators and milking machines.

**222x. The Dairy Manufacturing Industries.** Cr. 2. I, II. Prerequisite: D. M. 131x. Development of the dairy manufacturing industries. Relationship to agriculture. Promotion, policies, regulations, and factory methods.

**321x. Technical Control of Dairy Products.** Cr. 2 (1-3). I. Formerly 339. Prerequisite: D. M. 131x. Chemical and physical tests used in the manufacture of various dairy products. Laboratory control methods for the dairy plant.

**322x. Dairy Plant Equipment.** Cr. 2. I. Formerly 337. Equipment used in the dairy. Emphasis on steam boilers, refrigeration, motors, exhaust steam, insulation, steam and water fittings, plumbing, sewage disposal.

**323x. Market Grades and Classification of Dairy Products.** Cr. 2 (1-2). I, II. Formerly 321 or 221x. Commercial grades and classifications of dairy products. Practice in judging milk, butter, cheese, and ice cream. Student contests.

**331x-2x. Market Milk and Inspection.** Cr. 3 (2-3, Sem. II). I and II. Formerly 331-2 and 435. Prerequisite: D. M. 131x, Bact. 231x. The fluid milk industry. Milk and public health. City, state and federal regulations and ordinances. Production, transportation, handling, retailing, wholesaling of milk, cost studies. Processing. Required field trip in second semester.

**333x. Domestic Dairying.** Cr. 3 (2-3). I. Formerly 330 and 338. Production and uses of milk for the home. Food value of dairy products, home manufacture of dairy products. Emphasis on quality dairy products. Scoring of milk, butter, cheese, and ice cream. For Home Economics students.

**335x. Dairy Bacteriology.** Cr. 3 (2-3). II. Formerly 336. Prerequisite: D. M. 131x, Bact. 231x. Types of bacteria present in milk and milk products. Methods of control.

**411x. Dairy Manufactures Seminar.** Cr. 1. II. Formerly 411. Prerequisite: Senior standing in Dairy Manufactures. A review of scientific literature. Papers and reports. Class discussion.

**420x. Dairy Products Merchandising.** Cr. 2. I. Formerly 431. Prerequisite: Junior standing. Special practices, organization, ethics, and methods of merchandising dairy products.

**421x. Creamery Organization and Control.** Cr. 2. II. Formerly 443. Prerequisite: Junior standing. The organization and control of the dairy plant from a business standpoint. Labor control. Duties of plant manager, and relationship of manager to the business. Required field trip.

**422x. Dairy Technology.** Cr. 2. II. Formerly 440. Prerequisite: D. M. 131x, Bact. 231x, Chem 341x. The manufacture of condensed milk and milk powder, malted milk, milk casein, commercial buttermilk and whey. Supplemented by field trips.

**431x. Cheese Making.** Cr. 3 (2-3). I. Formerly 333. Prerequisite: D. M. 131x, Bact. 231x, Chem. 341x. Classification of foreign and domestic varieties of plain and fancy cheese. Manufacture of soft cheese and the more common varieties of semi-hard and hard cheeses.

**432x. Dairy Manufacturing Problems.** Cr. 3 (1-6). II. Formerly 439. Prerequisite: Senior or graduate standing. Special phases of the dairy manufacturing industry.

**433x. Ice Cream Making.** Cr. 3 (2-3). II. Formerly 436-7. Prerequisite: D. M. 131x, Bact. 231x, Chem. 341x. History and development of the ice cream industry. Ice cream ingredients; standardization and calculation of mixes. Processing. Cost studies. Supplemented by field trips.

**441x. Butter Making.** Cr. 4 (2-6). I. Formerly 433-4. Prerequisite: D. M. 131x, Bact. 231x, Chem. 341x. History of the butter industry. Manufacture of sweet and sour cream butter; neutralization; cream ripening; butter defects. Actual plant practice in the manufacture of butter.

**531x-2x. Thesis.** (0-9). I and II. Prerequisite: Graduate standing and consent of the Head of the Department. Scientific research in one of the following fields in the dairy industry: market milk, butter, cheese, ice cream, dairy bacteriology, condensed milk or milk powder.

Courses in this department which may be taken for graduate credit are: 323x, 331x-2x, 335x, 411x, 420x, 421x, 422x, 432x, 433x, 441x, 431x-2x.

## DEPARTMENT OF PLANT INDUSTRY

PROFESSORS RUSSELL, LEIDIGH. ASSOCIATE PROFESSOR ———  
ASSISTANT PROFESSORS BUIE, HOPE.

The Department of Plant Industry offers work in horticulture, agronomy, farm machinery, and genetics. While several of the courses presented are service courses and as such are required of all students in Agriculture, the department offers an opportunity for students to major in options in Plant Industry as candidates for the degree of Bachelor of Science in Agriculture.

In view of the fact that, in addition to the fundamentals of agronomy and horticulture, these subjects require intimate local application, the department maintains field plots and an orchard and vineyard in which many varieties of farm crops, fruit trees and grapes are grown to illustrate practically all the material that it is possible to produce in this region. A nursery is maintained for instruction and practice in plant propagation. A small, well-equipped greenhouse as part of the equipment.

The horticulture option includes instruction in the basic principles underlying plant propagation, orcharding, olericulture, floriculture, ornamentals, and landscape gardening. The agronomy option includes instruction in the basic principles of forage crop production, grain crops, crop breeding and improvement, pasture management, soils, soil fertility, and soil management,



especially under sub-humid climatic conditions, and moisture utilization in irrigation farming and dry farming. The department also teaches the science of genetics particularly stressing its application to plant and animal improvement. Although most of the work taught in this department is offered for students majoring in these technical subjects, all students in the College who have the prerequisites may enroll in these courses. In some of the courses field trips are taken, and since the College is located in a highly developed and productive regions, these trips are of great assistance to the student.

#### PLANT INDUSTRY

**331x. Plant Insects and Diseases and their Controls.** Cr. 3. I. Formerly G. A. 339, Hort. 332, P. I. 321x, P. I. 322x. Prerequisite: Junior standing in Agriculture or Biology. The most important fruit, vegetable, and crop insects and diseases and their control. Sprays, methods of spraying, and spray calendars.

**411x. Plant Industry Seminar.** Cr. 1. II. Formerly Agron. 411-2 and Hort. 411-2. Prerequisite: Senior standing in Plant Industry. Assigned readings. Current advances and thought. Informal discussion, oral reports, and papers.

**431x. Advanced Plant Breeding and Improvement.** Cr. 3. II. Formerly Agron. 438. Prerequisite: Hort. 341x and two advanced courses in the department. Practical application of plant genetics in the breeding and improvement of plants. Research methods. The seed or the plant propagation farm.

**432x. Plant Industry Problems.** Cr. 3. I, II. Prerequisite: P. I. 411x; open only to students having satisfactory scholastic records. An investigation of a problem in the field of special interest to the individual student concerned. Research.

**531x. Plant Industry Thesis.** Cr. 3. I, II. Prerequisite: graduate standing. An investigation of some problem selected from the major field. A survey of literature, outlining procedure, assembling and interpretation of data. Preparation of thesis.

#### HORTICULTURE

**131x. Plant Propagation.** Cr. 3 (2-3). I, II. Formerly Hort 141. Plant propagation, greenhouse and nursery practice. Propagation by seeds, cuttings, division, separation, budding and grafting.

**231x. Vegetable Gardening.** Cr. 3 (2-3). I, II. Formerly Hort 233. Prerequisite: Hort. 131x. The basic principles of market gardening and truck farming. Planning, planting, and caring for the home garden.

**322x. Landscape Appreciation.** Cr. 2. II. Formerly Hort. 337. Prerequisite: Junior standing. History of gardening. Basic principles of landscape design for city and farm homes. Practice work on landscape problems. The principal trees and shrubs.

**324x. Home Gardening.** Cr. 2 (1-3). II. Formerly Hort. 131. Prerequisite: Junior standing. For non-agricultural students. Planning, planting, and caring for the home vegetable garden and orchard. Fertilizers, spraying, and hotbeds.

**331x. Trees and Shrubs.** Cr. 3. I. Formerly Hort. 321 and 322. Prerequisite: Junior standing. Identification characteristics, and uses of shrubs, deciduous and evergreen trees of economic and ornamental importance. Given in alternate years; not given in 1935-36.

**332x. Annuals and Perennials.** Cr. 3. II. Formerly Hort. 323. Prerequisite: Junior standing. Identification, characteristics, culture, and uses of annuals, perennials, bulbous crops, and outdoor roses. Given in alternate years; given in 1935-36.

**333x. Fruit Culture.** Cr. 3 (2-3). I. Formerly Hort. 331 and 341. Prerequisite: Hort 131x, junior standing in Agriculture. Principles of fruit production; particularly, the home orchard. Tree fruits, grapes, and small fruits. Climatic, soil and water requirements. Varieties and cultural practices. Given in alternate years; given in 1935-36.

**334x-5x. Principles of Floriculture.** Cr. 3 (2-3). I and II. Formerly Hort. 238 and 432. Prerequisite: Hort. 131x, junior standing. Greenhouse construction, heating, and management. Culture of special greenhouse crops. Retail management, flower arrangement, and nursery management. Given in alternate years; not given in 1935-36.

**336x-7x. Landscape Design.** Cr. 3 (1-6). I and II. Formerly Hort. 3311-12-13. Prerequisite: Draw. 124x, Arch. 121x-2x, junior standing. Principles of landscape design: the city home, country estates, gradens, small city parks, and playgrounds.

**341x. Principles of Genetics.** Cr. 4 (3-3). I, II. Formerly Hort. 338-9. Prerequisite: For Agriculture students, Bot. 131x-2x, Ag. Eco. 331x; for non-Agriculture students, Math. 131x. Heredity and variation of both plants and animals. History. The chromosome theory in higher animals, poultry and insects. Biometry as applied to genetic data stressing economic plants and animals. The laboratory work may be modified for non-Agriculture students.

**421x. Citriculture.** Cr. 2. I. Formerly Hort. 434. Prerequisite: Registration in Hort. 333x, junior standing. Commercial production of citrus fruits, adaption; soil requirements, temperature, orchard heating, and irrigation. Given in alternate years; given in 1935-36.

**431x-2x. Advanced Pomology.** Cr. 3. I and II. Formerly Hort. 435-6-7. Prerequisite: Hort. 333x, or registration in Hort. 433x. The principles underlying fruit production. Temperature, moisture, irrigation, nutrition, fruit setting of pomological fruits. Given in alternate years; not given in 1935-36.

**433x. Systematic Pomology.** Cr. 3 (2-3). I. Formerly Hort. 449. Prerequisite: Hort. 333x or registration in Hort. 431x. Nomenclature, variety description, classification, climatic and regional adaption. Practice in describing and identifying varieties of fruits. Given in alternate years; not given in 1935-36.

**434x. Horticultural Problems.** Cr. 3. I, II. Prerequisite: Junior standing. An investigation of a problem in the field of special interest to the individual student concerned. Preparation of a thesis or special examination.

#### AGRONOMY

**131x. The Fundamentals of Crop Production.** Cr. 3 (2-3). I, II. Formerly Agron. 131. A survey course. The importance and value of crops, their classification, identification, distribution, production, grading, and use. Tillage and elementary soils. Diseases and pests.

**221x. Soils.** Cr. 2. I, II. Formerly Agron. 235. Prerequisite: Agron. 131x, Chem. 131x. Origin, formation, classification of soils. Physical, chemical, and biological requirements. Organic matter, moisture, productiveness, adaption to use, and maintenance of soil fertility.

**331x. Forage and Pasture Crops.** Cr. 3 (2-3). I. Formerly Agron. 331 and 437. Prerequisite: Agron. 131x, and one year of botany. The production, harvesting, storage, and uses of forage crops, green manure, and cover crops, hay and pasture crops. Identification of seeds and plants. Classification, life history, and economic value of adapted pasture plants. Injurious plants and their control. Pasture conservation, re-vegetation, and management.

**332x. Grain Crops.** Cr. 3 (2-3). I. Formerly Agron. 332 and 431. Prerequisite: Agron. 131x, and one year of botany. The production, harvesting, storage, grading, and use of grain crops. Adaption, identification, and general improvement. Given in alternate years; not given in 1935-36.

**421x. Cotton and Other Fiber Crops.** Cr. 2. II. Formerly Agron. 333. Prerequisite: Junior standing in Agronomy. Culture and classification of cotton. Improvement of varieties. Diseases and insect pests of cotton. World cotton production.

**422x. Soil Management.** Cr. 2. I. Formerly Agron. 435, 436, 432x. Prerequisite: Agron. 221x, 331x, and registration in Ag. Engr. 411x. Soil moisture conservation, run-off prevention, control of soil erosion, terracing, and supplemental water supply. Permanent farming under conditions of light or wide seasonal variations of rainfall.

**423x. Soil Management.** Cr. 2. II. Formerly Agron. 433, 434, 435, 431x. Prerequisite: Agron. 221x, 331x, 422x, and registration in Ag. Engr. 412x. Advanced soil conditions and plant growth. The nature and sources of plant nutrients, their liberation and conservation. Use of supplements and fertilizers. Irrigation.

**433x. Advanced Crop Judging and Grain Grading.** Cr. 3 (1-6). I. Formerly Agron. 432. Prerequisite: Agron. 331x, 332x. The factors determining the quality and value of seeds, grains, and crop products. Farm and commercial considerations. Much practice in identification, grading, judging, and testing. Given in alternate years; given in 1935-36.

#### AGRICULTURAL ENGINEERING

**321x-2x. Farm Shop.** Cr. 2 (1-3). I and II. Prerequisite: Junior standing. Care, fitting and use of tools. Woodwork as affects farm problems. Construction of structures. Minor repair work for farm machinery and engines. Farm sheet, metal, forging, pipe fitting, concrete, electric wiring, painting, and rope work.

**323x. Farm Machinery.** Cr. 2 (1-3). II. Prerequisite: Junior standing. Construction, care, operation, and repair of the different types of farm machinery.

**331x-2x. Farm Power.** Cr. 3 (2-3). I and II. Prerequisite: Junior standing. The fundamental principles of operation of the gasoline engine, its operation, care, and repair as a source of farm stationary power. Use of wind power and care and repair of wind engines. Operation, care and repair of modern farm tractor. Use of electricity for stationary power, care of electric motors, methods of generating electricity for domestic use.

**411x. Soil Management Laboratory.** Cr. 1 (0-3). I. Prerequisite: Registration in Agron. 422x. Terrace location, design, and construction for soil erosion control and moisture conservation. Design and construction of structures for terrace outlet and gully control.

**412x. Soil Management Laboratory.** Cr. 1 (0-3). II. Prerequisite: Registration in Agron. 423x. Design and lay-out of irrigation and drainage ditches and systems and tile drain systems. Use of explosives. Measurement of water. Methods of applying water to land. Irrigation equipment and power requirements.

#### GENERAL AGRICULTURE

**111x. Orientation for Agricultural Students.** Cr. 1. I, II. Formerly 101-2-3. A survey of the field of agriculture. The relationship of the student to the college; habits of study; health; vocational guidance. Orientation lectures. Lectures by the Dean and various faculty members. Required of all freshmen students in the Division of Agriculture. Meets twice a week and requires one hour of preparation.

**411x. Agricultural Lectures.** Cr. 1. I. Formerly 411. Prerequisite: Senior standing in the Division of Agriculture. Reviews and recapitulations. The relationship of farmers and their co-workers with each other and with agricultural and other communities. Lectures on professional ethics and attitudes. Papers and references.

Courses in this department which may be taken for graduate credit are: P. I. 411x, 431x, 432x, 531x; Hort. 431x-2x, 433x, 434x; Agron. 331x, 421x, 422x, 423x; Ag. Engr. 321x-2x, 323x, 331x-2x, 411x, 412x.

## VOCATIONAL AGRICULTURE EDUCATION

ASSOCIATE PROFESSOR LUKER.

The elective hours shown may be consolidated.

The curriculum in Agricultural Education is designed to qualify the prospective teacher of vocational agriculture to teach under the Federal Vocational Education (Smith-Hughes) Act, and to supplement the student's instruction in technical and professional agriculture. To secure approval the prospective teacher must receive the degree Bachelor of Science in Agriculture. The flexibility of the course permits sufficient range in the choice of electives to permit students majoring in the several fields of technical agriculture to qualify without undue loss of time.

A minimum of two years of farm experience after the fourteenth birthday is an important part of the requirements.

There are included in the courses required in the Vocational Agriculture Education curriculum a number of courses which are required in some of the other Agriculture curricula, but which do not appear uniformly in all of them. These required courses are suitable for use as supervised electives in some of the various curricula. Hence, it is possible for the student majoring in the Vocational Agriculture curriculum to meet the requirements of one of the other curricula by spending a small additional amount of time in College. As only one degree is offered in the Division of Agriculture, that being the degree of Bachelor of Science in Agriculture with a designated major, the student is not required to do a specifically designated amount of work to meet a second major, and he cannot receive an additional degree for meeting a second major. The student's work includes the two uniform years and then at the beginning of the junior year he enters upon the more specialized part of his work. This curriculum requires six more hours than the other curricula in this Division, and for that reason it is necessary in most cases that at least one summer be spent in College in addition to the four years. The usual rules governing a student's load will not permit of meeting this total requirement in four years.

Certificate requirements for other purposes than for Vocational Agriculture Education must be met by additional work.

**421x. Future Farmer Activities.** Cr. 2. S. Prerequisite: Ag. Ed. 441x-2x or the equivalent; graduate standing in Agriculture. Methods of conducting and promoting group activities of immediate importance to future farmers.

**441x-2x. Agricultural Education.** Cr. 4. I and II. Prerequisite: Ed. 234x, Psy. 231x; senior standing in Agriculture. Analyzing the vocational agriculture teacher's job. The project method of teaching. The long time program, annual teaching plan, equipment, reports, daily lesson planning, exhibits and displays. Opportunity for participation work in observation and directed teaching of evening part time and all-day classes. Much of the work is done in the field.

All of the courses in Agricultural Education may be taken for graduate credit.

## DIVISION OF ENGINEERING

O. V. ADAMS, DEAN

The importance of the Division of Engineering in Texas Technological College is stressed in the first section of the bill by which the Thirty-eighth Legislature established this institution. It is here pointed out that the commercial development of our State depends largely upon the opportunities for students to obtain thorough training in engineering and manufacturing fields.

### PURPOSE

The aim and purpose of the Division of Engineering is to give students a thorough knowledge of the fundamentals of all engineering work with specialization in one particular line only to the extent that experience appears to demand as a minimum. In other words, the course of study in the Division of Engineering is planned with the view of giving the student the essential basic training which he can not get after graduation, leaving a large part of his specialization to his later professional employment. Experience has shown this type of training to produce the most successful engineers.

Engineering has been defined as "the scientific utilization of the forces and materials of nature in the construction, production and operation of works for the benefit of man." Therefore, the fundamental training of the engineer includes a knowledge of pure science, as well as its application to the various specialized fields. As an aid to the development of a scientific attitude, engineering instruction aims to emphasize the qualities of honesty, loyalty, thoroughness and industry, and to foster the desire for learning and for a knowledge of the ethics of the profession.

### DEGREES GRANTED

The Division of Engineering offers the following four year curricula, each leading to the degree of Bachelor of Science in its respective field:

Architectural Engineering; Chemical Engineering; Civil Engineering; Civil Engineering, Municipal Engineering Option; Electrical Engineering; Geological Engineering; Industrial Engineering; Industrial Education; Mechanical Engineering; Mechanical Engineering, Administrative Option; Textile Engineering; Textiles, Chemistry Option; Textiles, Fabric Design Option.

In the Department of Architecture and Allied Arts five year curricula in Architecture and Commercial Art are offered leading to the degrees of Bachelor of Architecture and Bachelor of Commercial Art respectively. For those who desire it the Bachelor of Arts degree will be conferred upon the completion of the first four years of the prescribed five year courses in Architecture and Commercial Art. However, one receiving the Bachelor of Arts degree must do so at least one semester or two six-weeks summer terms prior to the time when his degree in the five-year curriculum is conferred.

### FIELD FOR GRADUATES

The engineering student upon graduation usually spends a period of time in apprentice or subordinate positions, securing experience and preparing himself for the more important work of the executive, the designer, the consulting engineer, the teacher, or the operator.

Engineering training is recognized as desirable preparation for a commercial career. From sixty to seventy per cent of engineering graduates in the past have eventually held executive positions.

Surveys of employment records of engineering graduates disclose the fact that men who have had an engineering education have found their way into nearly every type of vocation. A few of the vocations which the engineering graduate may reasonably expect to enter upon graduation, or after a period of practical experience, have been indicated at the beginning of the departmental descriptions.

Attention is called to the fact that in a civilization such as ours where one is constantly in contact with the results of our modern industrial development, no type of education is more suitable than that leading to an engineering degree.

### BUILDINGS

The first unit of the Textile Building was completed at the opening of the College. It is a two-story building about 60x220 feet, and cost with its equipment of modern textile machinery approximately \$250,000.

The Mechanical Engineering shops are housed in the Shops Building and a portion of the Power Plant Building. Approximately 6,800 square feet of floor space are available for courses in wood work, machine shop, foundry, sheet metal and welding.

The first unit of the Engineering Building was built during the school year of 1927-28 and was ready for use at the opening of the 1928-29 session. This unit cost approximately \$250,000, and has a floor area of about 52,000 square feet. It includes offices for the Engineering faculty, and laboratories and class rooms for the departments of Architecture and Allied Arts; Civil, Electrical, and Mechanical Engineering; and Industrial Engineering, Engineering Drawing, and Industrial Education.

Approximately \$70,000 has been expended for apparatus for the laboratories mentioned above.

### REGULATIONS

The regulations governing the students in the Division of Engineering are essentially the same as those applying to students of other divisions of the College.

Several regulations peculiar to this Division are given here.

### TRANSCRIPTS

Students transferring from other colleges will be given credit for only those courses that have been passed with a grade which is one letter above the passing grade in the institution from which the student comes, and then only when such courses or their equivalent are given for credit in Texas Technological College, provided however that students transferring from colleges having three grade letters may, on the approval of the Dean, receive credit for work passed with an average grade of B. Furthermore, any transfer who expects to be graduated from Texas Technological College must meet the regular requirements for graduation and must complete a minimum of 30 semester hours in this institution.

### REQUIREMENTS FOR GRADUATION

All four-year students in the Division of Engineering, except those in the Departments of Architecture and Allied Arts, and Industrial Education, are required to take identical work throughout the freshman year. This is done in order that the student, before choosing his professional field, may have the opportunity of becoming familiar with the courses of instruction and the possibilities after graduation in the various branches of engineering.

Freshmen students are required to take engineering orientation which includes lectures and motion picture showings on the scope and opportunities of the various branches of the engineering profession.

Electives in any curriculum must be approved by the head of the department in which the student seeks a degree. This approval must be secured and filed in the office of the Dean before the student registers for the course.

Subjects to absolve extra hours required because of excessive absences or for deficiency in grade points must be approved by the Dean. No approval will be given to remove a deficiency in grade points until the student has substantially completed his required curriculum. This approval may not be retroactive.



## CURRICULA FOR ENGINEERING STUDENTS

## UNIFORM FRESHMAN YEAR FOR ENGINEERING STUDENTS

To be used in connection with curricula in Chemical, Civil, Electrical, Geological, and Mechanical Engineering, and the three Textile options.

	Semester Hours	
	Sem. I	Sem. II
Eng. 131x-2x. Freshman Composition .....	3	3
Chem. 131x-2x. General Chemistry .....	3	3
Math. 121x-2x. College Algebra .....	2	2
Math. 131x. Trigonometry .....	3	.....
Math. 132x. Analytic Geometry .....	.....	3
Phys. 133x-4x. Freshman Engineering Physics .....	3	3
Engr. Dwg. 132x-3x. Engineering Drawing .....	3	3
Engr. Or. 111x. Engineering Orientation .....	1	.....
P. E. 113x-4x or M. S. 113x-4x. Physical Education or Military Science .....	1	1
	19	18

## CURRICULUM IN CHEMICAL ENGINEERING

Semester Hours  
Sem. I Sem. II

## Sophomore Year

Chem. 220x. Qualitative Analysis .....	2	.....
Chem. 242x. Inorganic Chemistry .....	.....	4
Chem. 331x-2x. Quantitative Analysis .....	3	3
Phys. 231x-2x. Sophomore Physics .....	3	3
Math. 251x. Differential and Integral Calculus .....	5	.....
C. E. 331x. Applied Mechanics—Statics .....	.....	3
Eng. 233x. Technical Writing .....	3	.....
Speech 131x. Fundamentals of Speech .....	.....	3
P. E. 213x-4x or M. S. 213x-4x. Physical Education or Military Science .....	1	1
	17	17

## Junior Year

Chem. 343x-4x. Organic Chemistry .....	4	4
Chem. 441x-2x. Physical Chemistry .....	4	4
C. E. 332x. Applied Mechanics—Kinematics and Kinetics .....	3	.....
C. E. 333x. Applied Mechanics—Strength of Materials .....	.....	3
E. E. 426x-7x. Elements of Electrical Engineering .....	2	2
E. E. 412x-3x. Electrical Engineering Laboratory .....	1	1
German 131x-2x. A Beginning Course in German .....	3	3
Eco. 231x-2x. Principles of Economics .....	3	3
	20	20

## Senior Year

Chem. 431x-2x. Principals of Chemical Engineering .....	3	3
Chem. 443x-4x. Industrial Chemistry .....	4	4
Chem. 411x-2x. Chemistry Seminar .....	1	1
M. E. 334x-5x. Thermodynamics and Heat Engines .....	3	3
M. E. 317x-8x. Heat Engineering Laboratory .....	1	1
M. E. 337x. Metallurgy .....	.....	3
Govt. 320x. American Government, National and State .....	2	.....
Ind. Engr. 421x-2x. Chemical Plant Design .....	2	2
	16	17

## CURRICULUM IN CIVIL ENGINEERING

Semester Hours  
Sem. I Sem. II

For Freshman Year See Page 81

## Sophomore Year

Geol. 233x. General Geology for Engineers .....	3	.....
C. E. 231x-2x. Surveying .....	3	3
Phys. 231x-2x. Sophomore Physics .....	3	3
Math. 251x. Differential and Integral Calculus .....	5	.....
Math. 233x. Calculus Applications .....	.....	3
Chem. 220x. Qualitative Analysis .....	2	.....
Engr. Dwg. 222x. Descriptive Geometry .....	.....	2
C. E. 331x. Applied Mechanics—Statics .....	.....	3
Eco. 231x-2x. Principles of Economics .....	3	3
P. E. 213x-4x or M. S. 213x-4x. Physical Education or Military Science .....	1	1
	20	18

## Junior Year

C. E. 332x. Applied Mechanics—Kinematics and Kinetics .....	3	.....
C. E. 333x. Applied Mechanics—Strength of Materials .....	.....	3
C. E. 334x. Surveying .....	3	.....
C. E. 320x. Structures .....	2	.....
C. E. 330x. Structures .....	.....	3
C. E. 321x. Highway Engineering .....	.....	2
C. E. 335x. Highway Engineering .....	3	.....
C. E. 311x. Highway Laboratory .....	.....	1
M. E. 334x-6x. Thermodynamics and Heat Engines .....	3	3
Math. 321x. Differential Equations .....	2	.....
Eng. 233x. Technical Writing .....	.....	3
Speech 131x. Fundamentals of Speech .....	.....	3
Bact. 321x. Bacteriology for Engineers .....	2	.....
	18	18

## Senior Year

C. E. 431x-2x. Reinforced Concrete .....	3	3
C. E. 433x-4x. Structures .....	3	3
C. E. 410x. Hydraulics Laboratory .....	.....	1
C. E. 420x. Hydraulics .....	2	.....
C. E. 421x. Engineering Administration .....	.....	2
C. E. 422x. Highway Administration and Finance .....	2	.....
C. E. 423x. Highway Design .....	.....	2
C. E. 424x-5x. Materials of Engineering .....	2	2
C. E. 426x. Water Supply and Sewage Disposal .....	2	.....
E. E. 426x-7x. Elements of Electrical Engineering .....	2	2
E. E. 412x-3x. Electrical Engineering Laboratory .....	1	1
Govt. 320x. American Government—National and State .....	.....	2
	17	18



**CURRICULUM IN CIVIL ENGINEERING**  
**MUNICIPAL ENGINEERING OPTION**

Semester Hours  
 Sem. I Sem. II

**For Freshman Year See Page 81**

**Sophomore Year**

Govt. 131x-2x. American Government, National and State .....	3	3
Eco. 231x-2x. Principles of Economics .....	3	3
Eng. 231x-2x. Introduction to Literature .....	3	3
C. E. 231x-2x. Surveying .....	3	3
Math. 251x. Differential and Integral Calculus .....	5	.....
Math. 233x. Calculus Applications .....	.....	3
Chem. 220x. Qualitative Analysis .....	2	.....
B. A. 234x. Introduction to Accounting .....	.....	3
P. E. 213x-4x or M. S. 213x-4x. Physical Education or Military Science .....	1	1
	20	19

**Junior Year**

C. E. 331x. Applied Mechanics—Statics .....	3	.....
C. E. 333x. Applied Mechanics—Strength of Materials .....	.....	3
C. E. 335x. Highway Engineering .....	3	.....
C. E. 320x. Structures .....	2	.....
C. E. 330x. Structures .....	.....	3
Bact. 331x-2x. General Bacteriology .....	3	3
M. E. 334x-6x. Thermodynamics & Heat Engines .....	3	3
Eco. 332x. Public Utilities Economics .....	3	.....
Eco. 333x. Public Finance .....	.....	3
Govt. 331x. Local Government .....	3	.....
Govt. 332x. Local Administration .....	.....	3
	20	18

**Senior Year**

C. E. 431x. Reinforced Concrete Theory .....	3	.....
C. E. 420x. Hydraulics .....	2	.....
C. E. 424x. Materials of Engineering .....	2	.....
C. E. 321x. Highway Engineering .....	.....	2
C. E. 421x. Engineering Administration .....	.....	2
C. E. 423x. Highway Design .....	.....	2
B. A. 331x. Corporation Finance .....	.....	3
B. A. 436x-7x. Cost Accounting—Auditing .....	3	3
E. E. 426x-7x. Elements of Electrical Engineering .....	2	2
E. E. 412x-3x. Electrical Engineering Laboratory .....	1	1
C. E. 435x. Water Works and Water Supply .....	3	.....
C. E. 436x. Sewerage and Sewage Disposal .....	.....	3
	16	18

## CURRICULUM IN ELECTRICAL ENGINEERING

Semester Hours  
Sem. I Sem. II

For Freshman Year See Page 81

## Sophomore Year

Eng. 233x. Technical Writing .....	3	---
Chem. 220x. Qualitative Analysis .....	---	2
Math. 251x. Differential and Integral Calculus .....	5	---
Math. 233x. Calculus Applications .....	---	3
Phys. 231x-2x. Sophomore Physics .....	3	3
Engr. Dwg. 221x. Machine Drawing .....	2	---
Engr. Dwg. 222x. Descriptive Geometry .....	---	2
E. E. 230x. Principles of Electrical Engineering .....	---	3
M. E. 311x. Pattern Shop .....	1	---
M. E. 312x. Foundry .....	---	1
M. E. 221x. Engineering Problems .....	2	---
C. E. 331x. Applied Mechanics—Statics .....	---	3
Speech 131x. Fundamentals of Speech .....	3	---
P. E. 213x-4x or M. S. 213x-4x. Physical Education or Military Science .....	1	1
	20	18

## Junior Year

E. E. 331x-2x. Principles of Electrical Engineering .....	3	3
E. E. 321x-2x. Electrical Engineering Laboratory .....	2	2
C. E. 332x. Applied Mechanics—Kinematics and Kinetics .....	3	---
C. E. 333x. Applied Mechanics—Strength of Materials .....	---	3
M. E. 334x-5x. Thermodynamics and Heat Engines .....	3	3
M. E. 317x-8x. Heat Engineering Laboratory .....	1	1
M. E. 313x-4x. Machine Shop .....	1	1
Chem. 322x. Power Plant Chemistry .....	---	2
Math. 321x. Differential Equations .....	2	---
Eco. 231x-2x. Principles of Economics .....	3	3
	18	18

## Senior Year

E. E. 431x-2x. Alternating Current Machinery .....	3	3
E. E. 421x-2x. Electrical Engineering Laboratory .....	2	2
E. E. 423x-4x. Electrical Applications .....	2	2
E. E. 433x. Transmission .....	3	---
E. E. 434x. Communication .....	---	3
E. E. 410x. Current Electrical Engineering .....	1	---
C. E. 310x. Testing Laboratory .....	---	1
C. E. 420x. Hydraulics .....	2	---
C. E. 220x. Elementary Surveying .....	2	---
M. E. 333x. Kinematics of Machinery .....	---	3
Phys. 423x-4x. Electrical Measurements .....	2	2
Govt. 320x. American Government, National and State .....	---	2
	17	18

## CURRICULUM IN GEOLOGICAL ENGINEERING

Semester Hours  
Sem. I Sem. II

For Freshman Year See Page 81

## Sophomore Year

Phys. 231x-2x. Sophomore Physics .....	3	3
Math. 251x. Differential and Integral Calculus .....	5	
Math. 233x. Calculus Applications .....		3
Chem. 220x. Qualitative Analysis .....		2
C. E. 331x. Applied Mechanics—Statics .....		3
Eng. 233x. Technical Writing .....	3	
Geol. 131x-2x. General Geology .....	3	3
Geol. 231x-2x. Mineralogy .....	3	3
P. E. 213x-4x or M. S. 213x-4x. Physical Education or Military Science .....	1	1
	18	18

## Summer

Geol. 363x. Field Geology .....	6	
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## Junior Year

C. E. 332x. Applied Mechanics—Kinematics and Kinetics .....	3	
C. E. 333x. Applied Mechanics—Strength of Materials .....		3
Eco. 231x-2x. Principles of Economics .....	3	3
Engr. Dwg. 222x. Descriptive Geometry .....		2
Geol. 333x. Petrology: Optical Mineralogy .....	3	
Geol. 334x. Petrology: Descriptive .....		3
Geol. 335x-6x. General Paleontology .....	3	3
C. E. 231x-2x. Surveying .....	3	3
C. E. 310x. Materials Laboratory .....		1
	15	18

## Senior Year

Govt. 320x. American Government, National and State .....	2	
Geol. 431x-2x. Advanced General Geology .....	3	3
Geol. 433x. Structural Geology .....	3	
Geol. 434x. Petroleum Geology .....		3
Geol. 435x. Index Fossils .....	3	
Geol. 436x. Micropaleontology .....		3
Geol. 411x-2x. Geology of Texas .....	1	1
Geol. 413x-4x. Seminar .....	1	1
Speech 131x. Fundamentals of Speech .....		3
C. E. 334x. Surveying .....	3	
Elective .....		3
	16	17

## CURRICULUM IN INDUSTRIAL ENGINEERING

	Semester Hours	
	Sem. I	Sem. II
<b>Freshman Year</b>		
Engr. Dwg. 132x-3x. Engineering Drawing .....	3	3
Eng. 131x-2x. Freshman Composition .....	3	3
Chem. 131x-2x. General Chemistry .....	3	3
Math. 131x. Trigonometry .....	3	
Math. 132x. Analytic Geometry .....		3
Math. 121x-2x. College Algebra .....	2	2
Phys. 133x-4x. Freshman Engineering Physics .....	3	3
M. E. 121x. General Wood Work .....		2
Engr. Or. 111x. Engineering Orientation .....	1	
P. E. 113x-4x or M. S. 113-4x. Physical Education or Military Science .....	1	1
	19	20
<b>Sophomore Year</b>		
Engr. Dwg. 221x. Machine Drawing .....	2	
Engr. Dwg. 222x. Descriptive Geometry .....		2
Eng. 233x. Technical Writing .....	3	
Psy. 231x. Educational Psychology .....	3	
M. E. 221x. Engineering Problems .....	2	
M. E. 315x. Heat Treating of Steel .....		1
M. E. 316x. Welding Practice .....		1
M. E. 211x. Sheet Metal Work .....		1
M. E. 311x. Pattern Shop .....	1	
C. E. 220x. Elementary Surveying .....	2	
Chem. 220x. Qualitative Analysis .....		2
Phys. 231x-2x. Sophomore Physics .....	3	3
Math. 251x. Differential and Integral Calculus .....		5
Eco. 231x-2x. Principles of Economics .....	3	3
P. E. 213x-4x or M. S. 213x-4x. Physical Education or Military Science .....	1	1
	20	19
<b>Junior Year</b>		
Engr. Dwg. 322x. Advanced Machine Drawing .....	2	
Ind. Engr. 324x-5x. Production Planning & Control .....	2	2
Speech 131x. Fundamentals of Speech .....		3
B. A. 234x-5x. Introduction to Accounting .....	3	3
M. E. 312x. Foundry Practice .....	1	
M. E. 313x. Machine Shop .....	1	
M. E. 314x. Machine Shop .....		1
C. E. 331x. Applied Mechanics—Statics .....		3
Ind. Engr. 331x. Time and Motion Studies and Safety Engi- neering .....		3
Ind. Engr. 316x. Personnel Relations .....	1	
B. A. 334x-5x. Business Law .....	3	3
Govt. 320x. American Government, National and State .....	2	
M. E. 334x. Thermodynamics & Heat Engines .....	3	
	18	18
<b>Senior Year</b>		
E. E. 438x-9x. Elements of Electrical Engineering .....	3	3
E. E. 412x-3x. Electrical Engineering Laboratory .....	1	1
C. E. 333x. Applied Mechanics—Strength of Materials .....		3
Ind. Engr. 431x. Purchasing and Industrial Engineering Problems .....		3
Ind. Engr. 432x-3x. Industrial Plant Design .....	3	3
Eco. 432x. Labor and Labor Problems .....	3	
Ind. Engr. 423x. Relation of Engineer to Society and Study of Published Statistics .....	2	
B. A. 331x. Corporation Finance .....		3
*Elective .....	3	
	15	16

\*Must be in one branch of Engineering.

## CURRICULUM IN INDUSTRIAL EDUCATION

	Semester Hours	
	Sem. I	Sem. II
<b>Freshman Year</b>		
Engr. Dwg. 132x-3x. Engineering Drawing .....	3	3
Eng. 131x-2x. Freshman Composition .....	3	3
Chem. 131x-2x. General Chemistry .....	3	3
Math. 121x-2x. College Algebra .....	2	2
Math. 131x. Trigonometry .....	3	.....
Math. 132x. Analytic Geometry .....	.....	3
Phys. 133x-4x. Freshman Engineering Physics .....	3	3
M. E. 121x. General Wood Work .....	.....	2
Engr. Or. 111x. Engineering Orientation .....	1	.....
P. E. 113x-4x or M. S. 113-4x. Physical Education or Military Science .....	1	1
	19	20
<b>Sophomore Year</b>		
Engr. Dwg. 221x. Machine Drawing .....	2	.....
Engr. Dwg. 222x. Descriptive Geometry .....	.....	2
Eng. 233x. Technical Writing .....	.....	3
Psy. 231x. Educational Psychology .....	3	.....
M. E. 221x. Engineering Problems .....	2	.....
M. E. 211x. Sheet Metal Work .....	.....	1
M. E. 311x. Pattern Shop .....	1	.....
C. E. 220x. Elementary Surveying .....	2	.....
Phys. 231x-2x. Sophomore Physics .....	3	3
Ed. 234x. Principles of Secondary Education .....	3	.....
Math. 251x. Differential and Integral Calculus .....	.....	5
Chem. 220x. Qualitative Analysis .....	.....	2
P. E. 213x-4x or M. S. 213x-4x. Physical Education or Military Science .....	1	1
	17	17
<b>Junior Year</b>		
Speech 131x. Fundamentals of Speech .....	3	.....
E. E. 426x-7x. Elements of Electrical Engineering .....	2	2
E. E. 412x-3x. Electrical Engineering Laboratory .....	1	1
Arch. 3212x-13x. Building Construction .....	2	2
B. A. 234x-5x. Introduction to Accounting .....	3	3
M. E. 312x. Foundry Practice .....	.....	1
M. E. 313x. Machine Shop .....	1	.....
M. E. 314x. Machine Shop .....	.....	1
Govt. 320x. American Government, National and State .....	.....	2
Ind. Ed. 331x. Educational and Vocational Guidance in Engineering .....	.....	3
Ind. Engr. 316x. Personnel Relations .....	1	.....
T. E. 231x. Textile Fibers & Fabrics .....	3	.....
Eco. 231x-2x. Principles of Economics .....	3	3
Ind. Ed. 311x. History and Principles of Vocational Education .....	1	.....
	20	18
<b>Senior Year</b>		
Ind. Ed. 423x-4x. Industrial Arts Course-Making and Planning ..	2	2
Ind. Ed. 431x. Industrial Arts Practice Teaching .....	.....	3
Ind. Ed. 425x-6x. Seminar .....	2	2
B. A. 334x-5x. Business Law .....	3	3
B. A. 336x. Industrial Management .....	3	.....
M. E. 315x. Heat Treating of Steel .....	.....	1
M. E. 316x. Welding Practice .....	.....	1
M. E. 421x-2x. Advanced Laboratory Work .....	2	2
Engr. Dwg. 321x. Mechanical Drawing for Teachers .....	2	.....
*Minor electives .....	1	4
	15	18

\*Suggested minor electives: Ind. Engr. 331x, Ed. 131x, Journalism, or Geology

## TWO-YEAR CERTIFICATE COURSE IN INDUSTRIAL ARTS

Semester Hours  
Sem. I Sem. II

## Freshman Year

Eng. 131x-2x. Freshman Composition .....	3	3
Engr. Dwg. 132x-3x. Engineering Drawing .....	3	3
Speech 131x. Fundamentals of Speech .....	3	3
Phys. 133x-4x. Freshman Engineering Physics .....	3	3
Math. 131x. Trigonometry .....	3	3
Chem. 131x-2x. General Chemistry .....	3	3
M. E. 121x. General Wood Work .....	2	1
M. E. 211x. Sheet Metal Work .....	1	1
M. E. 315x. Heat Treating of Steel .....	1	1
M. E. 316x. Welding Practice .....	1	1
Engr. Or. 111x. Engineering Orientation .....	1	1
P. E. 113x-4x or M. S. 113-4x. Physical Education or Military Science .....	1	1
	19	19

## Sophomore Year

Eng. 233x. Technical Writing .....	3	3
Engr. Dwg. 221x. Machine Drawing .....	2	2
Engr. Dwg. 222x. Descriptive Geometry .....	3	3
B. A. 234x-5x. Introduction to Accounting .....	2	2
M. E. 221x. Engineering Problems .....	1	1
M. E. 311x. Pattern Shop .....	1	1
M. E. 312x. Foundry Practice .....	1	1
M. E. 313x. Machine Shop .....	1	1
M. E. 319x. Foundry Practice .....	3	3
E. E. 231x-2x. Elements of Electrical Engineering .....	3	3
Eco. 233x. Principles of Economics .....	3	3
Govt. 320x. American Government, National and State .....	2	2
*Electives .....	3	3
P. E. 213x-4x or M. S. 213x-4x. Physical Education or Military Science .....	1	1
	20	18

\*To be chosen from:

T. E. 231x, 232x, 221x, 311x.

Arch. 3212x-13x.

Speech 132x.

Physics 211x-2x.

M. E. 421x-2x.

Ind. Engr. 316x.

## CURRICULUM IN MECHANICAL ENGINEERING

Semester Hours  
Sem. I Sem. II

For Freshman Year See Page 81

## Sophomore Year

Chem. 220x. Qualitative Analysis .....	2	.....
Math. 251x. Differential and Integral Calculus .....	5	.....
Math. 233x. Calculus Applications .....		3
Engr. Dwg. 221x. Machine Drawing .....	2	.....
Engr. Dwg. 222x. Descriptive Geometry .....		2
C. E. 331x. Applied Mechanics—Statics .....		3
Eco. 231x-2x. Principles of Economics .....	3	3
M. E. 221x. Engineering Problems .....	2	.....
M. E. 241x. Mechanisms .....		4
M. E. 311x. Pattern Shop .....	1	.....
M. E. 312x. Foundry .....	1	.....
M. E. 313x-4x. Machine Shop .....	1	1
M. E. 315x. Heat Treating of Steel .....		1
M. E. 316x. Welding Practice .....		1
P. E. 213x-4x or M. S. 213x-4x. Physical Education or Military Science .....	1	1
	18	19

## Junior Year

Phys. 231x-2x. Sophomore Physics .....	3	3
Eng. 233x. Technical Writing .....	3	.....
C. E. 332x. Applied Mechanics—Kinematics and Kinetics .....	3	.....
C. E. 333x. Applied Mechanics—Strength of Materials .....		3
C. E. 310x. Testing Laboratory .....		1
M. E. 330x-1x. Thermodynamics .....	3	3
M. E. 322x. Dynamics .....		2
M. E. 341x. Steam Power Plant Engineering .....	4	.....
M. E. 432x. Steam Power Plant Design .....		3
M. E. 332x. Power Laboratory .....	3	.....
M. E. 337x. Metallurgy .....		3
	19	18

## Senior Year

E. E. 438x-9x. Elements of Electrical Engineering .....	3	3
E. E. 412x-3x. Electrical Engineering Laboratory .....	1	1
C. E. 420x. Hydraulics .....	2	.....
C. E. 410x. Hydraulics Laboratory .....		1
Govt. 320x. American Government, National and State .....		2
M. E. 436x-7x. Machine Design .....	3	3
M. E. 431x. Power Laboratory .....	3	.....
M. E. 433x. Heating and Ventilation .....	3	.....
M. E. 434x. Industrial Engineering .....		3
M. E. 423x-4x. Internal Combustion Engines .....	2	2
M. E. 439x. Air Conditioning .....		3
	17	18



**CURRICULUM IN MECHANICAL ENGINEERING,  
ADMINISTRATIVE OPTION**

Semester Hours  
Sem. I   Sem. II

**For Freshman Year See Page 81**

**Sophomore Year**

Phys. 231x-2x. Sophomore Physics .....	3	3
Chem. 220x. Qualitative Analysis .....	2	.....
Math. 251x. Differential and Integral Calculus .....	5	.....
Math. 233x. Calculus Applications .....	.....	3
M. E. 221x. Engineering Problems .....	2	.....
Eco. 231x-2x. Principles of Economics .....	3	3
B. A. 234x-5x. Introduction to Accounting .....	3	3
Eng. 233x. Technical Writing .....	.....	3
C. E. 331x. Applied Mechanics—Statics .....	.....	3
P. E. 213x-4x or M. S. 213x-4x. Physical Education or Military Science .....	1	1
	19	19

**Junior Year**

M. E. 311x. Pattern Shop .....	1	.....
M. E. 312x. Foundry .....	1	.....
M. E. 313x. Machine Shop .....	1	.....
M. E. 330x-1x. Thermodynamics .....	3	3
M. E. 317x-8x. Heat Engineering Laboratory .....	1	1
C. E. 332x. Applied Mechanics—Kinematics and Kinetics .....	3	.....
C. E. 333x. Applied Mechanics—Strength of Materials .....	.....	3
Speech 131x. Fundamentals of Speech .....	.....	3
M. E. 341x. Steam Power Plant Engineering .....	4	.....
M. E. 241x. Mechanisms .....	.....	4
B. A. 334x-5x. Business Law .....	3	3
M. E. 337x. Metallurgy .....	.....	3
	17	20

**Senior Year**

M. E. 433x. Heating and Ventilation .....	3	.....
M. E. 434x. Industrial Engineering .....	.....	3
M. E. 322x. Dynamics .....	.....	2
C. E. 310x. Testing Laboratory .....	.....	1
E. E. 438x-9x. Elements of Electrical Engineering .....	3	3
E. E. 412x-3x. Electrical Engineering Laboratory .....	1	1
Govt. 320x. American Government, National and State .....	2	.....
*Electives .....	8	6
	17	16

\*Electives to be chosen from the following: B. A. 332x, 333x, 433x, 435x, 436x, Eco. 332x, M. E. 421x-2x, 432x, 439x, 441x, and Chem. 322x.

## CURRICULUM IN TEXTILES, CHEMISTRY OPTION

Semester Hours  
Sem. I Sem. II

For Freshman Year See Page 81

## Sophomore Year

Chem. 220x. Qualitative Analysis .....	2	.....
Phys. 231x-2x. Sophomore Physics .....	3	3
Eng. 233x. Technical Writing .....	3	.....
Math. 251x. Differential and Integral Calculus .....	5	.....
Math. 233x. Calculus Applications .....	.....	3
Chem. 331x-2x. Quantitative Analysis .....	3	3
Chem. 242x. Inorganic Chemistry .....	.....	4
Speech 131x. Fundamentals of Speech .....	.....	3
T. E. 221x-2x. Textile Fibers and Yarn Manufacture .....	2	2
P. E. 213x-4x or M. S. 213x-4x. Physical Education or Military Science .....	1	1
	19	19

## Junior Year

Eco. 231x-2x. Principles of Economics .....	3	3
Chem. 343x-4x. Organic Chemistry .....	4	4
Chem. 441x-2x. Physical Chemistry .....	4	4
T. E. 321x-2x. Fabric Design and Weaving .....	2	2
T. E. 323x-4x. Dyeing and Finishing .....	2	2
T. E. 331x-2x. Yarn Manufacture .....	3	3
	18	18

## Senior Year

Chem. 443x-4x. Industrial Chemistry .....	4	4
Chem. 434x. Organic Preparation .....	3	.....
Chem. 423x. Advanced Qualitative Analysis .....	.....	2
Chem. 422x. Colloid Chemistry .....	2	.....
Govt. 320x. American Government, National and State .....	.....	2
T. E. 433x-4x. Dyeing and Finishing .....	3	3
T. E. 421x-2x. Fabric Design, Analysis, and Manufacture .....	2	2
T. E. 431x-2x. Mill Organization, Knitting and Testing .....	3	3
	17	16

## CURRICULUM IN TEXTILE ENGINEERING

Semester Hours  
Sem. I Sem. II

For Freshman Year See Page 81

## Sophomore Year

Phys. 231x-2x. Sophomore Physics .....	3	3
Math. 251x. Differential and Integral Calculus .....	5	.....
Math. 233x. Calculus Applications .....	.....	3
Engr. Dwg. 221x. Machine Drawing .....	2	.....
Eng. 233x. Technical Writing .....	.....	3
Chem. 220x. Qualitative Analysis .....	2	.....
Eco. 231x-2x. Principles of Economics .....	3	3
M. E. 313x. Machine Shop .....	.....	1
M. E. 221x. Engineering Problems .....	2	.....
C. E. 331x. Applied Mechanics—Statics .....	.....	3
T. E. 221x-2x. Textile Fibers and Yarn Manufacture .....	2	2
P. E. 213x-4x or M. S. 213x-4x. Physical Education or Military Science .....	1	1
	20	19

## Junior Year

Chem. 343x-4x. Organic Chemistry .....	4	4
C. E. 332x. Applied Mechanics—Kinematics and Kinetics .....	3	.....
C. E. 333x. Applied Mechanics—Strength of Materials .....	.....	3
E. E. 438x-9x. Electrical Engineering .....	3	3
E. E. 412x-3x. Electrical Engineering Laboratory .....	1	1
T. E. 321x-2x. Weaving and Fabric Design .....	2	2
T. E. 323x-4x. Dyeing and Finishing .....	2	2
T. E. 331x-2x. Yarn Manufacture .....	3	3
	18	18

## Senior Year

M. E. 334x-5x. Thermodynamics and Heat Engines .....	3	3
M. E. 317x-8x. Heat Engineering Laboratory .....	1	1
M. E. 434x. Industrial Engineering .....	.....	3
Govt. 320x. American Government, National and State .....	2	.....
Speech 131x. Fundamentals of Speech .....	3	.....
M. E. 333x. Kinematics of Machinery .....	.....	3
T. E. 433x-4x. Dyeing and Finishing .....	3	3
T. E. 421x-2x. Fabric Design, Analysis and Manufacture .....	2	2
T. E. 431x-2x. Mill Organization, Knitting and Testing. ....	3	3
	17	18

## CURRICULUM IN TEXTILES, FABRIC DESIGN OPTION

Semester Hours  
Sem. I Sem. II

For Freshman Year See Page 81

## Sophomore Year

Phys. 231x-2x. Sophomore Physics .....	3	3
Arch. 233x. History of Ancient and Mediaeval Architecture .....	3	.....
Arch. 234x. History of Renaissance Architecture .....	.....	3
Eng. 233x. Technical Writing .....	3	.....
Chem. 220x. Qualitative Analysis .....	.....	2
Speech 131x. Fundamentals of Speech .....	3	.....
T. E. 221x-2x. Textiles Fibers and Yarn Manufacture .....	2	2
Arch. 121x-2x. Freehand Drawing .....	2	2
Arch. 125x. Shades and Shadows .....	.....	2
Arch. 123x-4x. Elements of Composition .....	2	2
P. E. 213x-4x or M. S. 213x-4x. Physical Education or Military Science .....	1	1
	19	17

## Junior Year

Chem. 343x-4x. Organic Chemistry .....	4	4
Arch. 235x-6x. Principles of Drawing and Painting, and Theory of Design .....	3	3
Arch. 328x. Pencil Rendering and Sketching .....	2	.....
Arch. 329x. Pen and Ink Rendering .....	.....	2
Arch. 320x. History of Ornament and Furniture .....	2	.....
T. E. 321x-2x. Weaving and Fabric Design .....	2	2
T. E. 331x-2x. Yarn Manufacture .....	3	3
T. E. 323x-4x. Dyeing and Finishing .....	2	2
Govt. 320x. American Government, National and State .....	.....	2
	18	18

## Senior Year

Eco. 231x-2x. Principles of Economics .....	3	3
Arch. 326x. Cast Figure Drawing .....	2	.....
Arch. 327x. Life Drawing .....	.....	2
Arch. 426x-7x. Oil Painting or Advanced Water Color .....	2	2
T. E. 433x-4x. Dyeing and Finishing .....	3	3
T. E. 421x-2x. Fabric Design, Analysis, and Manufacture .....	2	2
T. E. 431x-2x. Mill Organization, Knitting and Testing .....	3	3
Electives .....	3	3
	18	18

## CURRICULUM IN ARCHITECTURE

Semester Hours  
Sem. I Sem. II

## Freshman Year

Eng. 131x-2x. Freshman Composition .....	3	3
Math. 121x-2x. College Algebra .....	2	2
Math. 131x. Trigonometry .....	3	.....
Math. 132x. Analytic Geometry .....	.....	3
Engr. Dwg. 134x. Graphic Arts .....	3	.....
Arch. 121x-2x. Freehand Drawing .....	2	2
Arch. 125x. Shades and Shadows .....	.....	2
Arch. 141x-2x. Elements of Architecture .....	4	4
Engr. Or. 111x. Engineering Orientation .....	1	.....
P. E. 113x-4x or M. S. 113-4x. Physical Education or Military Science .....	1	1
	19	17

## Sophomore Year

Eng. 233x. Technical Writing .....	3	.....
Speech 131x. Fundamentals of Speech .....	.....	3
Phys. 131x-2x. General Physics .....	3	3
Engr. Dwg. 222x. Descriptive Geometry .....	.....	2
Arch. 223x. Perspective .....	2	.....
Arch. 231x-2x. Architectural Design, Grade I .....	3	3
Arch. 233x-4x. History of Architecture .....	3	3
Arch. 235x-6x. Principles of Drawing, and Painting, and Theory of Design .....	3	3
P. E. 213x-4x or M. S. 213x-4x. Physical Education or Military Science .....	1	1
	18	18

## Junior Year

French 131x-2x. A Beginning Course in French .....	3	3
Arch. 213x. History of Early Civilizations and Art .....	2	.....
Arch. 324x. History of Sculpture .....	.....	2
Arch. 326x. Cast Figure Drawing .....	2	.....
Arch. 327x. Life Drawing, I .....	.....	2
Arch. 328x. Pencil Rendering and Sketching .....	2	.....
Arch. 329x. Pen and Ink Rendering .....	.....	2
Arch. 3212x-13x. Building Construction .....	2	2
Arch. 361x-2x. Architectural Design, Grade II .....	6	6
	17	17

## Fourth Year

French 231x-2x. A Reading Course in French .....	3	3
or		
English 231x-2x. Introduction to Literature .....	.....	.....
C. E. 323x-4x. Structural Mechanics .....	2	2
Govt. 320x. American Government, National and State .....	2	.....
E. E. 335x. Wiring and Illumination .....	.....	3
Arch. 221x-2x. Clay Modeling .....	2	2
Arch. 422x. Building Materials .....	2	.....
Arch. 431x-2x. Interior Design .....	3	3
Arch. 435x-6x. Advanced Architectural Construction .....	3	3
	17	16

## Senior Year

Eco. 233x. Principles of Economics .....	.....	3
Arch. 420x. Professional Practice .....	2	.....
Arch. 421x. Estimating and Specification Writing .....	.....	2
Arch. 423x-4x. Life Drawing, II .....	2	2
Arch. 425x. History of American and Modern Architecture .....	2	.....
Arch. 428x-9x. History of Painting .....	2	2
Arch. 481x-2x. Architectural Design, Grade III .....	8	8
	16	17

## CURRICULUM IN ARCHITECTURAL ENGINEERING

Semester Hours  
Sem. I Sem. II

## Freshman Year

Eng. 131x-2x. Freshman Composition .....	3	3
Math. 121x-2x. College Algebra .....	2	2
Math. 131x. Trigonometry .....	3	.....
Math. 132x. Analytic Geometry .....	.....	3
Engr. Dwg. 132x-3x. Engineering Drawing .....	3	3
Phys. 133x-4x. Freshman Engineering Physics .....	3	3
Engr. Dwg. 222x. Descriptive Geometry .....	.....	2
Arch. 125x. Shades and Shadows .....	2	.....
Arch. 121x-2x. Freehand Drawing .....	2	2
Engr. Or. 111x. Engineering Orientation .....	1	.....
P. E. 113x-4x or M. S. 113-4x. Physical Education or Military Science .....	1	1
	20	19

## Sophomore Year

Eng. 233x. Technical Writing .....	3	.....
Speech 131x. Fundamentals of Speech .....	.....	3
Math. 251x. Differential and Integral Calculus .....	5	.....
Phys. 231x-2x. Sophomore Physics .....	3	3
C. E. 220x. Surveying .....	2	.....
C. E. 331x. Applied Mechanics—Statics .....	.....	3
Govt. 320x. American Government, National and State .....	.....	2
Arch. 141x-2x. Elements of Architecture .....	4	4
Arch. 223x. Perspective .....	.....	2
P. E. 213x-4x or M. S. 213x-4x. Physical Education or Military Science .....	1	1
	18	18

## Junior Year

Chem. 131x-2x. General Chemistry .....	3	3
C. E. 320x. Structures .....	2	.....
C. E. 332x. Applied Mechanics—Kinematics and Kinetics .....	3	.....
C. E. 333x. Applied Mechanics—Strength of Materials .....	.....	3
C. E. 330x. Structures .....	.....	3
M. E. 334x. Thermodynamics and Heat Engines .....	3	.....
Arch. 231x-2x. Architectural Design, Grade I .....	3	3
Arch. 233x-4x. History of Architecture .....	3	3
Arch. 325x. Building Sanitation .....	.....	2
Arch. 3212x-13x. Building Construction .....	2	2
	19	19

## Senior Year

Chem. 220x. Qualitative Analysis .....	.....	2
C. E. 431x-2x. Reinforced Concrete .....	3	3
C. E. 433x. Structures .....	3	.....
M. E. 435x. Mechanical Equipment of Buildings .....	.....	3
E. E. 335x. Wiring and Illumination .....	.....	3
Arch. 420x. Professional Practice .....	2	.....
Arch. 421x. Estimating and Specification Writing .....	.....	2
Arch. 422x. Building Materials .....	2	.....
Arch. 425x. History of American and Modern Architecture .....	2	.....
*Approved Electives .....	3	3
	15	16

\*Must include at least three hours of Economics.

## CURRICULUM IN COMMERCIAL ART

	Semester Hours	
	Sem. I	Sem. II
<b>Freshman Year</b>		
Eng. 131x-2x. Freshman Composition .....	3	3
Math. 120x or 121x. College Algebra .....	2	.....
Math. 131x. Trigonometry .....	.....	3
Engr. Dwg. 134x-5x. Graphic Arts .....	3	3
Arch. 121x-2x. Freehand Drawing .....	2	2
Arch. 123x-4x. Elements of Composition .....	2	2
Arch. 125x. Shades and Shadows .....	.....	2
Arch. 133x. Commercial Lettering .....	3	.....
Engr. Or. 111x. Engineering Orientation .....	1	1
P. E. 113x-4x or M. S. 113x-4x. Physical Education or Military Science .....	1	1
	17	16
<b>Sophomore Year</b>		
Eng. 233x. Technical Writing .....	3	.....
Speech 131x. Fundamentals of Speech .....	.....	3
A foreign language (French or German) .....	3	3
Arch. 233x-4x. History of Architecture .....	3	3
Arch. 235x-6x. Principles of Drawing and Painting, and Theory of Design .....	3	3
Arch. 141x-2x. Elements of Architecture .....	4	4
P. E. 213x-4x or M. S. 213x-4x. Physical Education or Military Science .....	1	1
	17	17
<b>Junior Year</b>		
A foreign language (French or German) .....	3	3
Psy. 230x. Introduction to Psychology .....	3	.....
Psy. 338x. Business Psychology .....	.....	3
Govt. 320x. American Government, National and State .....	.....	2
Arch. 221x-2x. Clay Modeling .....	2	2
Arch. 223x. Perspective .....	2	.....
Arch. 321x. History of Early Civilizations and Art .....	2	.....
Arch. 324x. History of Sculpture .....	.....	2
Arch. 326x. Cast Figure Drawing .....	2	.....
Arch. 327x. Life Drawing, I .....	.....	2
Arch. 328x. Pencil Rendering and Sketching .....	2	.....
Arch. 329x. Pen and Ink Rendering .....	.....	2
	16	16
<b>Fourth Year</b>		
Eng. 231x-2x. Introduction to Literature .....	3	3
Journ. 330x. Typography .....	.....	3
Arch. 320x. History of Ornament and Furniture .....	2	.....
Arch. 3210x-11x. Commercial Illustration, I .....	2	2
Arch. 331x-2x. Commercial Design, I .....	3	3
Arch. 423x-4x. Life Drawing, II .....	2	2
Economics 233x. Principles of Economics .....	3	.....
Approved Elective .....	3	.....
	18	16
<b>Senior Year</b>		
Journ. 435x. Principles of Advertising .....	3	.....
Journ. 436x. Advertising Copy and Layout .....	.....	3
Arch. 420x. Professional Practice .....	2	.....
Arch. 426x-7x. Oil Painting or Advanced Water Color .....	2	2
Arch. 428x-9x. History of Painting .....	2	2
Arch. 4210x-11x. Decorative Figure Drawing .....	2	2
Arch. 4212x-13x. Commercial Illustration, II .....	2	2
Arch. 433x-4x. Commercial Design, II .....	3	3
Approved Electives .....	.....	3
	16	17



## DEPARTMENT OF ARCHITECTURE AND ALLIED ARTS

PROFESSOR KLEINSCHMIDT. ASSOCIATE PROFESSOR SHELTON.

ASSISTANT PROFESSOR LOCKARD. INSTRUCTORS

HOUGHTON, HOOPER.

The Department of Architecture and Allied Arts offers a four year course leading to the degree of Bachelor of Science in Architectural Engineering and five year curricula leading to the degrees of Bachelor of Architecture and Bachelor of Commercial Art. The Bachelor of Arts degree may be conferred upon completion of the first four years of each of the prescribed five year curricula.

Architecture is regarded primarily as chief of the fine arts. The allied arts are painting, sculpture, and all lines of craftsmanship. Together they form the foundation of all branches of industry, for not only in buildings, but also in other products the modern world requires beauty of form and color as well as utility. There exists today a great demand for skilled men and women in the sale and production of well made and well designed commodities.

The curriculum in Architecture affords training for students who expect to enter the professional practice of architecture in any of its recognized phases. The student is therefore provided with a basis of both general and technical training which, when supplemented by several years of practical experience in architects' offices, places him in line for recognition as a practicing architect. Since architecture is considered first among the fine arts, the aesthetic side of the profession is emphasized throughout the course. Design, consequently, with the subjects closely allied to it, is given the most important place in the curriculum. The total requirements for the degree include, therefore, certain minima in design, construction, engineering, and drawing which are necessary to an all-around understanding of architecture and which are required of all students.

The curriculum in Architectural Engineering is designed primarily for the student who desires to specialize in the constructional side of the building profession. As in architecture, a successful practice in this field demands a good general education and wide technical training. The wide and varied field in architectural engineering includes the superintending of building construction, general contracting, estimating of cost for construction projects, and the designing of structural members of steel, timber, and concrete. The student is therefore given a ground work in mathematics, applied mechanics, and engineering courses in structural design, heating and ventilation, heat engines, and some work in testing materials, surveying, and the chemistry of engineering materials. While specializing in the engineering aspects of architecture, the nature of the work of the architectural engineer is such that it is necessary for him to be well grounded in the underlying principles of architectural design, with a view of practicing in association with one specializing more particularly in design, or of being prepared for intelligent and sympathetic collaboration with architects and builders.

The curriculum in Commercial Art is planned to prepare the student for professional art work in the advertising and illustrating fields. Thorough foundation is given in the aesthetic principles involved in drawing, painting, modeling, art history, and design, and is accompanied by practical problems in the development of advertising layouts, folders, posters, book plates, and illustrations.

Students who wish to teach art in elementary or high schools should confer with the head of this department as to the election of necessary courses in education.

The Department of Architecture and Allied Arts, as a chapter, is affiliated with the American Federations of Art, Washington, D. C., and with the College Art Association, New York City. The gift of a \$5000 set of art teaching equipment (1933) from the Carnegie Corporation together with the equipment the department already possesses, aids materially in teaching those students majoring in Art and Architecture and those from the Department of Textile Engineering majoring in Textile Fabric Design.

Work in various architectural design courses may be carried on simultaneously. The normal time required to complete the design courses is three years. Advancement is based upon design points earned. For graduation, in addition to a passing grade in each semester's work, the student must earn 72 points in grade I, 144 points in grade II, and 192 points in grade III.

**121x-2x. Freehand Drawing.** Cr. 2 (0-6). Each, I and II. Formerly 121-2-3. Medium—charcoal. Instruction by personal criticism. Basic work for entering students. From the more elementary work in line drawing, the problems advance into full light and shade. Studies from fragments of antique architectural ornament.

**123x-4x. Elements of Composition.** Cr. 2 (0-6). I and II. Occasional lectures. Theory of space design; underlying principles of line and area composition. Problems under individual criticism.

**125x. Shades and Shadows.** Cr. 2 (0-6). I, II. Formerly 131. Exercises in conventional shades and shadows of common geometrical solids, solids of revolution, and simple architectural members.

**133x. Commercial Lettering.** Cr. 3 (0-9). I, II. Basic for the study of various styles of pen and brush lettering. The use of different alphabets and letter forms in poster and card design. Occasional conjunctive problems with Arch. 124x.

**141x-2x. Elements of Architecture.** Cr. 4 (1-9). I and II. Formerly 131x-2x. Architectural drawing, lettering, and wash rendering in India ink and monochrome; elements of architectural design, walls, doors, windows, colonnades, arcades, mouldings, and vaults.

**221x-2x. Clay Modeling.** Cr. 2 (0-6). I and II. Formerly 228x-9x. Prerequisite: Arch. 121x-2x. The making of clay models, firing and glazing pottery, plaster casts of simple decorative fragments, and anatomical forms; construction of relief maps.

**223x. Perspective.** Cr. 2 (0-6). I, II. Formerly 132, 126x, or 2210x. Prerequisite: Engr. Dwg. 134x. Theory of perspective as applied to common geometrical solids and to problems from architectural practice.

**231x-2x. Architectural Design, Grade I.** Cr. 3 (0-9). I and II. Formerly 234-5, 246. Prerequisite: Arch. 141x-2x. Long and short problems under individual criticism dealing in general with the elements of plan and elevation. Sketch problems dealing with composition.

**233x. History of Ancient and Mediaeval Architecture.** Cr. 3. I. Formerly 227-8-9, 222x-3x, or 2211x. Technical history of architecture from the dawn of civilization to the end of the Gothic period. The styles are illustrated by means of lectures and slides, photographs, and collateral reading. Library research.

**234x. History of Renaissance Architecture.** Cr. 3. II. Formerly 321-2-3, 322x, or 2212x. Technical history of architecture of the Italian, French, Spanish, English and German Renaissance. The styles are illustrated by means of lectures and slides, photographs, and collateral reading. Library research.

**235x-6x. Principles of Drawing and Painting, and Theory of Design.** Cr. 3. (1-6). I and II. Formerly 2210, 224-5, or 220x-1x. Prerequisite: Arch. 121x-2x. Aims to give an understanding and appreciation of the fundamental principles

ples governing good drawing and painting throughout the ages. Lectures with laboratory work. Actual drawing and use of color.

**320x. History of Ornament and Furniture.** Cr. 2. I. Prerequisite: Arch. 233x-4x. The study of the development of ornament and furniture from prehistoric through modern times. Illustration by means of lectures and slides, photographs. Library research.

**321x. History of Early Civilization and Arts.** Cr. 2. I. Prerequisite: Arch. 233x-4x. Illustrated lectures dealing with the origins of art and architecture in early civilizations. Three hours a week of library research in anthropology and archaeology as related to the origins of art and architecture.

**324x. History of Sculpture.** Cr. 2. II. Prerequisite: Arch. 321x. Illustrated lectures on the development of sculpture from the Egyptian to the present day. Three hours of library research a week.

**325x. Building Sanitation.** Cr. 2. II. Formerly 326. Prerequisite: Junior standing. Location and orientation of buildings, lighting, ventilation, water supply, plumbing, sewage and refuse disposal.

**326x. Cast Figure Drawing.** Cr. 2 (0-6). I, II. Formerly 327. Prerequisite: Arch. 121x-2x. Medium—Charcoal and pencil. Instruction by personal criticism. The work advances by steps from the drawing of cast fragments to the complete figure in full value—thereby training the student for the more difficult problems of life classes.

**327x. Life Drawing I.** Cr. 2 (0-6). I, II. Formerly 328-9. Prerequisite: Arch. 326x. Drawing from the living model in various media. Instruction by personal criticism. Admission to courses in life drawing limited to those students who have satisfactorily completed the preceding courses in freehand drawing or their equivalent.

**328x. Pencil Rendering and Sketching.** Cr. 2 (0-6). I. Formerly 2210-11-12, or 224x, 3210x. Prerequisite: Arch. 235x. Drawing of architectural ornaments, architectural fragments and pencil sketches from life and nature.

**329x. Pen and Ink Rendering.** Cr. 2 (0-6). II. Formerly 2213-14-15, 225x, 3211x. Prerequisite: Arch. 328. Pen and ink technique, studies from plaster casts, still life, and nature.

**3210x-11x. Commercial Illustration I.** Cr. 2 (0-6). I and II. Prerequisite: Arch. 235x-6x. Illustration as applied to advertising and commercial fields. Drawing and painting in various media for designated processes of reproduction. Analysis of advertising value of drawings and force of design on subject matter. Problems in the design of booklets, posters, illustrations.

**3212x-13x. Building Construction.** Cr. 2 (0-6). I and II. Formerly 237-8, 226x-7x, or 3214x-15x. Prerequisite: Engr. Dwg. 132x or 134x. Preparation of working drawings and specifications for suburban houses; drawing complete details for buildings, heating, plumbing, and structural problems.

**331x-2x. Commercial Design I.** Cr. 3 (0-9). I and II. Prerequisite: Arch. 131x-2x and 235x-6x. Specialized industrial design in a variety of materials; textiles, fixtures, furniture, and utensils; full-sized detail and color rendering.

**Arch. 333x. Methods of Teaching Art in the Elementary School.** Cr. 3 (1-6). S. Prerequisite: Arch. 121x-2x or 123x-4x; 235x-6x; or equivalent. Fundamental principles of composition as applied to problems in drawing, painting, and the crafts of the elementary school. Emphasis on the method of presentation and adapting art work to children of different age levels. For students who plan to teach public school art in the first seven grades.

**Arch. 334x. Methods of Teaching Art in the High School.** Cr. 3 (1-6). S. Prerequisite: Arch. 121x-2x or 123x-4x; 235x-6x; or equivalent. Fundamental

principles of composition as applied to problems in drawing, painting, and the crafts of the high school. Problems on the methods of presenting the study of art to high school students.

**361x-2x. Architectural Design, Grade II.** Cr. 6 (0-18). I and II. Formerly 361-2, 371. Prerequisite: Arch. 231x-2x. Long and short problems, under individual criticism, dealing with simple architectural composition. Sketch problems dealing with large architectural compositions or decorative detail.

**420x. Professional Practice.** Cr. 2. I. Formerly 411-2. Prerequisite: Junior standing. Office organization, ethics, professional relations.

**421x. Estimating and Specification Writing.** Cr. 2. II. Prerequisite: Junior standing. Principles of quantity survey; cost analysis. The writing of specifications.

**422x. Building Materials and Construction.** Cr. 2. I. Formerly 236. Prerequisite: Arch. 3212x-13x. Introduction to the properties and uses of materials of construction. Occasional visits to buildings under construction.

**423-4x. Life Drawing II.** Cr. 2 (0-6). I and II. Prerequisite: Arch. 327x. Continuation of Arch. 327x.

**425x. History of American and Modern Architecture.** Cr. 2. I. Prerequisite: Arch. 233x-4x. History of American Architecture from colonial times to present day. Modern movements in Architecture in Europe. Illustrated lectures. Library research.

**426x-7x. Oil Painting or Advanced Water Color.** Cr. 2 (0-6). I and II. Prerequisite: Evidence of ability or Junior standing. Principles of design related to various types of composition, in conjunction with direct study from the human model, still life, or landscape. Problems in oil or water color may take the form of book illustration, painting or mural decoration.

**428x-9x. History of Painting.** Cr. 2. I and II. Prerequisite: Arch. 233x-4x. Illustrated lectures on the development of painting from the Egyptian period to the present modern day movements. Three hours of library research a week.

**4210x-11x. Decorative Figure Drawing.** Cr. 2 (0-6). I and II. Prerequisite: Arch. 327x. The drawing and painting of the draped or costumed figure against backgrounds and with accessories planned to emphasize beauty and interest in color.

**4212x-13x. Commercial Illustration II.** Cr. 2 (0-6). I and II. Prerequisite: Arch. 3210x-11x. A continuation of Arch. 3210x-11x with problems in presentation and studio practice; specialization in illustration with completion of full scale work. Not given in 1935-36.

**431x-2x. Interior Architectural Design.** Cr. 3 (0-9). I and II. Prerequisite: Arch. 361x-2x. Long and short problems, under individual criticism, dealing with designs of interiors of various types and styles of architecture.

**433x-4x. Commercial Design II.** Cr. 3 (0-9). I and II. Prerequisite: Arch. 331x-2x. A continuation of Arch. 331x-2x with the execution and supervision of the finished product. Not given in 1935-36.

**435x-6x. Advanced Architectural Construction.** Cr. 3 (0-9). I and II. Prerequisite: Arch. 3212x-13x and 231x. Continuation of Arch. 3212x-13x but as applied to office building type construction.

**481x-2x. Architectural Design, Grade III.** Cr. 8 (0-24). I and II. Formerly 491-2-3. Prerequisite: Arch 361x-2x. Long, short and sketch problems under personal criticism dealing with the more complex kinds of architectural compositions, particularly with subjects involving special character and a decorative and imaginative interest.

## DEPARTMENT OF CHEMICAL ENGINEERING

PROFESSORS GOODWIN, CRAIG.  
ASSOCIATE PROFESSOR SCHNEIDER. ASSISTANT PROFESSOR  
SLAGLE. INSTRUCTOR MARSHALL

Chemical engineering is recognized today as a distinct branch of engineering. An industrial chemical process in reality consists of a series of unit processes, the proper sequence and coordination of which constitute an engineering science.

The Chemical Engineering curriculum is based upon the belief that a student should secure a thorough, fundamental training in both chemistry and engineering. Hence, the "practical" courses are largely omitted. Emphasis, insofar as possible, is placed on both class and laboratory work. In addition to the professional courses, the curriculum emphasizes the importance of a proper training in English, economics, and speech, and prepares the student for more advanced work by the inclusion of German. It is the purpose of this course to train men so that they may be ready to develop into executives, superintendents, and managers of plants in the field of chemical industry. This curriculum leads to the degree of Bachelor of Science in Chemical Engineering.

The freshman year is the uniform one required of all Engineering students. The descriptions of the required courses are given under the Department of Chemistry and Chemical Engineering.

## DEPARTMENT OF CIVIL ENGINEERING

PROFESSORS MURDOUGH, ADAMS.  
ASSOCIATE PROFESSOR McREE. ASSISTANT PROFESSOR PARKHILL.

The curriculum of study outlined under the requirements for the degree of Bachelor of Science in Civil Engineering is designed to prepare the student to enter any of the following fields of endeavor.

1. Highway engineering—the location, construction, and maintenance of highways and pavements.
2. Structural engineering—the design and construction of fixed structures and their foundations.
3. Hydraulic and sanitary engineering—the design and construction of dams, hydraulic power plants, water supply plants and sewage disposal systems.
4. Surveying and geodesy—the measurement and platting of portions of the earth's surface and objects on it.

Besides the special fields indicated, the Civil Engineering curriculum is broad enough to permit a graduate to enter into many other of those fields which are open to the technically trained man. Aeronautical structural design may be cited for example.

The curriculum in Civil Engineering requires much work in English, economics, and the sciences. It affords a liberal education as well as a technical training.

The curriculum of study outlined under the requirements for the degree of Bachelor of Science in Civil Engineering, Municipal Engineering Option, requires much more study in Economics, Business Administration and Government, than does the regular Civil Engineering curriculum. It does, however, retain among its requirements, much work in fundamental subjects in the field of civil engineering, and in addition gives work in bacteriology and in water supply, sewage and sewage disposal. It also retains those fundamental requirements in Mechanical and in Electrical Engineering found in the older course.

**220x. Elementary Surveying.** Cr. 2 (0-6). I. Formerly 230. Prerequisite: Math. 131x. The use and care of the transit, tape and level.

**231x-2x. Plane Surveying.** Cr. 3 (2-3). I and II. Formerly 241-2-3. Prerequisite: Math. 131x. The use and adjustment of surveying instruments; plane surveys with transit and tape; profiles and cross sections; computations from field notes; the mathematics of curves as applied to railroads and highways, with field practice; earthworks, mass diagrams.

**310x. Testing Laboratory.** Cr. 1 (0-3). II. Formerly 312, 313. Prerequisite: Registration in C. E. 333x or consent of instructor. Standard tests and reports on steel, iron, and wood specimens; the physical properties of cement and concrete.

**311x. Highway Laboratory.** Cr. 1 (0-3). II. Formerly 314. Prerequisite: C. E. 335x. Standard tests of road building materials.

**320x. Structures.** Cr. 2 (0-6). I. Formerly 315-6. Prerequisite: C. E. 331x. Graphic statics, stresses in framed structures by graphical methods, stress analysis of portals, design of wood roof truss.

**321x. Highway Engineering.** Cr. 2. II. Formerly 337. Prerequisite: C. E. 335x. History and development of transportation, highway laws, traffic control and regulations.

**323x-4x. Structural Mechanics.** Cr. 2. I and II. Prerequisite: Math. 131x. Statics and strength of materials. For students of Architecture and others who desire a brief and general presentation of the material.

**330x. Structures.** Cr. 3. II. Formerly 338-9 or 331. Prerequisite: C. E. 320x. Moment and shear curves; influence lines, stresses in framed structures; moving load systems; influence tables; beam design.

**331x. Applied Mechanics—Statics.** Cr. 3. I, II. Formerly 331 or 233x. Prerequisite: Math 251x or registration in Math 336x. Resultants of coplanar and non-coplanar force systems; equilibrium of force systems, friction, centroids, moments of inertia.

**332x. Applied Mechanics—Kinematics and Kinetics.** Cr. 3. I. Formerly 332. Prerequisite: C. E. 331x. Motion of the particle and of rigid bodies; kinetics of translation, rotation, and plane motion; work, energy.

**333x. Applied Mechanics—Strength of Materials.** Cr. 3, II. Formerly 333. Prerequisite: C. E. 331x. Stresses and strains in elastic bodies subjected to tension, compression, and shear; bending and torsion; deflection of homogeneous beams; resilience; column theory; combined stresses.

**334x. Surveying.** Cr. 3 (1-6). I. Formerly 334. Prerequisite: C. E. 231x. Topographic mapping, stadia, and plane table; astronomical determination of azimuth, latitude, time.

**335x. Highway Engineering.** Cr. 3. I. Formerly 335. Prerequisite: C. E. 331x. Fundamentals of highway location, design, construction, maintenance.

**410x. Hydraulics Laboratory.** Cr. 1 (0-3). II. Formerly 412. Prerequisite: C. E. 420x. Laboratory study of principles taught in C. E. 420x.

**420x. Hydraulics.** Cr. 2. I. Formerly 439. Prerequisite: C. E. 331x. Mechanics of water at rest and in motion.

**421x. Engineering Administration.** Cr. 2. II. Formerly 4313. Prerequisite: Senior standing or approval of instructor. Contracts, specifications, and engineering relations.



**422x. Highway Administration and Finance.** Cr. 2. I. Formerly 4311. Prerequisite: C. E. 321x. History and development of systems of highway administration; principles of highway finance.

**423x. Highway Design.** Cr. 2 (0-6). II. Formerly 4312. Prerequisite: C. E. 321x. Design and estimate applied to various highway projects and problems.

**424x-5x. Materials.** Cr. 2 (1-3). I and II. Formerly 430. Prerequisite: C. E. 333x. Class and laboratory. The properties of the materials of engineering.

**426x. Water Supply and Sewage Disposal.** Cr. 2. I. Prerequisite: Bact. 321x. A brief survey course of waterworks, sewerage design, and construction.

**431x-2x. Reinforced Concrete.** Cr. 3, I and II. Formerly 431-2-3. Prerequisite: C. E. 333x. Study and application of the theory of reinforced concrete design.

**433x. Structures.** Cr. 3 (0-9). I. Formerly 442. Prerequisite: C. E. 330x, 333x. Design and detail of steel structures.

**434x. Structures.** Cr. 3. II. Formerly 434. Prerequisite: C. E. 433x. Brief presentation of the theory of statically indeterminate structures.

Courses in this department which may be taken for graduate credit are: C. E. 331x, 332x, 333x, 410x, 420x, 421x, 422x, 423x, 424x-5x, 426x, 431x-2x, 433x, 434x.

#### ENGINEERING ORIENTATION

**111x. Engineering Orientation.** Cr. 1 (0-2). I, II. Formerly 101-2-3. Relationship of student to college; development of correct study habits; study and preparation of time and expense budgets; lectures by heads of engineering departments; moving pictures showing phases of work in the various engineering departments. Required of all freshman Engineering students during their first semester. One hour of preparation a week required.

### DEPARTMENT OF ELECTRICAL ENGINEERING

#### PROFESSORS BULLEN, HELWIG

Electrical engineering is one of the newest branches of engineering. This branch has developed so rapidly, and the applications of electricity have become so broad, that many subdivisions in electrical engineering now exist, offering opportunity and vocations in a great variety of engineering endeavors.

Graduates in electrical engineering find employment in such fields as manufacturing, public utilities, business, contracting, sales, research, teaching, design, construction, application, transportation, illumination, and communication.

Specialization in any of these fields usually follows graduation, and no attempt is made in the course in Electrical Engineering to concentrate the training of the student in any specialized field within this branch of engineering. Rather the purpose of the course is to give a basic and comprehensive training in those fundamental principles of electricity required for a thorough understanding of electrical circuits, apparatus, and machinery. The student is also given thorough courses in the fundamentals of chemical, civil, and mechanical engineering in addition to the work in electrical engineering. The curriculum also includes a thorough course dealing with the principles of economics.



Special emphasis is placed upon the student's ability to reason logically, apply mathematics, and speak and write clear, concise English. To prepare the student for his professional courses, the first two years are devoted to a study of mathematics, English, physics, chemistry, drawing, and shop practice.

In Electrical Engineering, theory is taught in the classroom, then applied in the laboratory by practical tests.

**230x. Principles of Electrical Engineering.** Cr. 3. II. Formerly 231. Prerequisite: Phys. 231x, Math. 251x. Recitations and problems on the fundamental principles of the electric, magnetic, and dielectric circuits.

**231x-2x. Elements of Electrical Engineering.** Cr. 3 (2-3). I and II. Prerequisite: Math 131x, Phys. 133x-4x. Recitations, problems, and laboratory work dealing with electric circuits and machinery. For the two year certificate course in Industrial Arts.

**321x-2x. Electrical Engineering Laboratory.** Cr. 2 (0-6). I and II. Formerly 321-2-3. Prerequisite: Registration in E. E. 331x.

**331x-2x. Principles of Electrical Engineering.** Cr. 3. I and II. Formerly 331-2-3. Prerequisite: E. E. 230x. Recitations and problems dealing with the fundamental theory, operating characteristics, and applications of direct current apparatus and machinery. Alternating current circuits studied in 332x.

**335x. Wiring and Illumination.** Cr. 3. II. Prerequisite: Math. 123x, six semester hours of physics. Standard methods of wiring circuits; the general theory and modern methods of illumination. For Architectural Engineering students. Given in alternate years; given in 1936-37.

**410x. Current Electrical Engineering.** Cr. 1. I. Formerly 410. Prerequisite: Senior standing. Class discussion of current developments in the field of electrical engineering.

**411x. Electrical Engineering Seminar.** Cr. 1. I. Formerly 411. Prerequisite: Senior standing. The study, by the use of available engineering literature, of an assigned engineering problem. Preparation and presentation of seminar paper covering problem studied. Offered when demand or nature of problem justifies.

**412x-3x. Electrical Engineering Laboratory.** Cr. 1 (0-3). I and II. Formerly 311-2 or 311x-2x; supercedes 324-5, 326. Prerequisite: Registration in E. E. 426x-7x or 438x-9x. For Civil, Chemical, Industrial, Mechanical, and Textile Engineering and Industrial Education students.

**421x-2x. Electrical Engineering Laboratory.** Cr. 2 (0-6). I and II. Formerly 421-2-3. Prerequisite: Registration in E. E. 431x.

**423x-4x. Electrical Applications.** Cr. 2. I and II. Formerly 434-5. Prerequisite: Registration in E. E. 431x. Problems and considerations involved in the utilization of electrical energy.

**425x. Thesis.** Cr. 2 (0-6). II. Formerly 424-5. Prerequisite: E. E. 411x, or equivalent preparation to make investigation of a problem of special interest to the student. Preparation of thesis. Open only to students having satisfactory scholastic records. Offered when demand or nature of problem justifies.

**426x-7x. Elements of Electrical Engineering.** Cr. 2. I and II. Formerly 337-8 or 323x-4x. Prerequisite: Phys. 231x, Math 251x. Recitations and problems dealing with the elementary principles of direct and alternating current circuits and machinery. For Civil Engineering, Chemical Engineering, and Industrial Education students.

**431x-2x. Alternating Current Machinery.** Cr. 3. I and II. Formerly 431-2-3. Prerequisite: E. E. 332x. Recitations and problems on the construction, theory of operation, and characteristics of the principal types of alternating current machinery.

**433x. Transmission.** Cr. 3. I. Formerly 436. Prerequisite: Registration in E. E. 431x. Theory and problems involved in the transmission of electrical energy.

**434x. Communication.** Cr. 3 (2-3). II. Formerly 437. Prerequisite: E. E. 433x. Fundamental principles of modern methods of communication.

**435x. Illumination.** Cr. 3. I. Formerly 438. Prerequisite: Senior standing. Lectures and discussions dealing with production, measurement, and utilization of light. Offered only when demand justifies.

**436x. Electron Tubes.** Cr. 3. I. Formerly 439. Prerequisite: Senior standing. Theory and general applications of electron tubes. Offered only when demand justifies.

**437x. Radio Engineering.** Cr. 3. II. Formerly 4310. Prerequisite: Senior standing. Fundamentals of short wave radio communication. Offered only when demand justifies.

**438x-9x. Elements of Electrical Engineering.** Cr. 3. I and II. Formerly 334-5-6 or 333x-4x. Prerequisite: Phys. 231x, Math 251x. Recitations and problems dealing with the principles of direct and alternating current circuits and machinery. For Industrial, Mechanical, and Textile Engineering students.

Courses in this department which may be taken for graduate credit are 411x, 421x-2x, 423x-4x, 425x, 431x-2x, 433x, 434x, 436x, 437x.

## DEPARTMENT OF GEOLOGICAL ENGINEERING

PROFESSOR PATTON. ASSOCIATE PROFESSORS STAINBROOK,  
ROBINSON. ASSISTANT PROFESSOR SIDWELL.

Geological engineering is a comparatively new branch of engineering which has developed in recent years in response to a need for men trained in both engineering and geology for work in economic geology, especially for work in the petroleum industry. Instruction in the department combines thorough training in fundamental engineering subjects with training in the fundamental principles of geology and its several specialized branches, such as paleontology, petrology, and structural geology. The training in engineering is very similar to the instruction given students in Civil Engineering.

The work of the department is intended to fit students to engage in either the engineering or the scientific phase of economic geology and to give them a basis for future specialization in whatever field circumstances may demand. The curriculum leads to the degree of Bachelor of Science in Geological Engineering.

The freshman year is the uniform one required of all Engineering students. The descriptions of the required courses in Geology are given under the Department of Geology and Geological Engineering.

## DEPARTMENT OF INDUSTRIAL ENGINEERING, ENGINEERING DRAWING, AND INDUSTRIAL EDUCATION

**PROFESSOR ST. CLAIR. ASSISTANT PROFESSORS STREET, PERRY-  
MAN. INSTRUCTOR ATKINSON**

The objective of this department is to provide instruction which will prepare the student: to enter the industrial field as an industrial engineer; to operate a small manufacturing business of his own; to teach industrial arts; or to enter the industrial field with a semi-technical training; also to give all engineering students sound training in engineering drawing.

Courses in this department which may be taken for graduate credit are: Ind. Engr. 421x-2x; Engr. Dwg. 321x; Ind. Ed. 423x.

### INDUSTRIAL ENGINEERING

As a distinct branch of engineering, industrial engineering is among the later branches in which the leading colleges of the country offer a complete curriculum.

Courses given in Industrial Engineering are intended to give the student the basic training necessary to enable him to enter the industrial world with a broad foundation on which to specialize in any industry he may choose.

Aside from the subjects relating directly to industrial engineering, it is required of the student that he secure a fundamental training in English, economics and business administration. It is emphasized that the successful industrial engineer is much more than a purely technical man; he must be familiar with the various departments of industry, and he has an obligation to society in the field of social, political, and other problems.

The curriculum is planned so that the student obtains instruction in the basic branches of engineering, namely; mechanical, electrical, civil, and chemical—in these respective departments.

Special effort is made to furnish an insight into the field of industrial engineering by pictures of the machinery in industrial plants in actual operation; talks by men in industrial work; visits to industrial plants; and a discussion of papers on subjects relating to industrial engineering.

Much time and effort are spent to acquaint the student with proper methods of attack on problems coming within the field of industrial engineering. He is taught to choose the most desirable location for a particular plant; determine the most desirable type of building; determine the most economical and practical arrangement of machinery and the most desirable type of machinery; and provide the most healthful working conditions, safety protection, and the most desirable personnel for a particular plant.

**316x. Personnel Relations.** Cr. 1. I. Prerequisite: Junior standing or sophomore standing in two-year certificate course in Industrial Arts. Relation of capital and labor; relation of various departments of an industrial organization; relation of foreman, workmen, planning division.

**324x-5x. Production Planning and Control.** Cr. 2. (1-3). I and II. Prerequisite: M. E. 221x; junior standing. Standard methods of planning, scheduling, and controlling processes in modern industrial plants. Machine capacity analysis. Typical production problems.

**331x. Time and Motion Study and Safety Engineering.** Cr. 3 (2-3). II. Prerequisite: M. E. 312x, Engr. Dwg. 221x; registration in Ind. Engr. 324x. Methods of taking and analyzing time and motion studies; setting of standard

times; calculation of wage incentives; analysis of studies of representative processes. Objects, origin, growth, agencies, organization of safety work in industry; accident causes and responsibility; safety codes; safety standards; safety guards; workmen's compensation.

**421x-2x Chemical Plant Design.** Cr. 2 (0-6). I and II. Formerly Engr. Dwg. 421-2 or 421x-2x. Prerequisite: Engr. Dwg. 133x. Concurrent with or following Chem. 443x-4x. Chemical engineering equipment and its arrangement in various types of chemical plants. Drawings, calculations, and sketches used to solve assigned problems in design of machinery and apparatus, selection and specification of equipment, and layout of chemical plants.

**423x. Relation of Engineer to Society and Study of Published Statistics.** Cr. 2 (1-3). I. Prerequisite: Senior standing in Engineering. The young engineer's responsibility to society; those elements of society in which his training and position prepare him to participate. Available means from which to judge the trend of business as indicated by government reports, patents, and direct information from talks by industrialists and visits to industrial plants.

**431x. Purchasing and Industrial Engineering Problems.** Cr. 3 II. Prerequisite: Senior standing in Engineering. General methods of purchasing; specifications; quotations; relation of price and quality; source of supply. Problems involving operating efficiencies and minimum production costs. Maintenance of industrial plants and equipment. Offered annually beginning 1936-37.

**432x-3x. Industrial Plant Design.** Cr. 3 (1-6). I and II. Prerequisite: Senior standing in Industrial Engineering. In the form of a seminar. A complete industrial plant will be designed, covering location, capacity, material routing, type of buildings, machinery, shipping, sanitary and safety working conditions. Required of all applicants for the degree of Bachelor of Science in Industrial Engineering. Offered annually beginning 1936-37.

### ENGINEERING DRAWING

The courses offered in Engineering Drawing are fundamental for all courses in Engineering; also certain courses are given which are in the nature of service courses for the other departments and divisions.

These courses aim to prepare the student to use intelligently and skillfully the standard instruments and equipment of a draftsman and a designer. They, furthermore, aim to give him sufficient experience in the execution of drawings so that he can capably fill a position of draftsman upon graduation.

Approved drawing equipment is required for all courses.

**132x-3x. Engineering Drawing.** Cr. 3 (1-6). Each I and II. Formerly 135-6-7. The essentials of drafting, including freehand sketching, the use of instruments, lettering, engineering geometry, orthographic projection, sections, intersections, developments, isometric and oblique drawing, and elementary working drawings.

**134x-5x. Graphic Arts.** Cr. 3 (1-6). I and II. The use of instruments, lettering, architectural geometry, geometry in design, orthographic projection, sections, auxiliary views, the meaning of "scale", dimensioning, elementary application of graphic arts, intersections, developments, mechanical pictorial methods, working drawings, elementary architectural details.

**211x. Technical Sketching and Lettering.** Cr. 1 (0-3). II. Formerly 211. Prerequisite: Engr. Dwg. 132x or the equivalent. Orthographics, pictorial sketching, and engineering lettering.

**221x. Machine Drawing.** Cr. 2 (0-6). I. Formerly 232. Prerequisite: Engr. Dwg. 133x or the equivalent. The application of the graphic language to en-

gineering purposes; engineering sketching, machine fastenings, theory of dimensioning, conventional practice, machine details, graphic design, detail and assembly drawings.

**222x. Descriptive Geometry.** Cr. 2 (1-3). II. Formerly 231. Prerequisite: Engr. Dwg. 132x or the equivalent. Theory of engineering drawing which provides training in exact thinking. Point, line, and plane problems, tangent planes, intersections and developments, single and double curved surfaces, and warped surfaces.

**223x. Agricultural Drawing.** Cr. 2 (0-6). II. Formerly 124. Not open to freshmen. Orthographic projection, lettering, graphic charts, freehand sketching, and the reading of drawings related to agriculture and agricultural engineering.

**321x. Mechanical Drawing for Teachers.** Cr. 2 (1-3). I. Prerequisite: Engr. Dwg. 221x, 222x. Aims and methods of teaching mechanical drawing in high schools stressed in lectures. Emphasis in laboratories on these points which are essential in making a neat mechanical drawing: dimensioning, lettering, sectional views, arrangements. Required of all candidates for a degree in Industrial Education.

**322x. Advanced Machine Drawing.** Cr. 2 (0-6). I. Prerequisite: Engr. Dwg. 221x and 222x. Training in making drawings of more complicated machines than is given in the freshman and sophomore years. Practice in making mechanical drawings of a quality expected of a draftsman by industrial concerns.

**331x. The Art of Lettering.** Cr. 3 (1-6). I. Formerly 333. Prerequisite: Arch. 133x. The art of lettering, including history and development of the alphabet; the technique of lettering and application in design. Outside work required. Offered when demand justifies.

## INDUSTRIAL EDUCATION

(Four-year course)

The curriculum offered in Industrial Education, four-year course, leading to the degree of Bachelor of Science, is so arranged that a graduate of this Department has complied with all the requirements of the law of the State of Texas to receive a Special Permanent Certificate and a High School Four-Year Certificate. Upon completion of the course the graduate has at least 24 hours in a major (in this case, Industrial Education) and at least three minors (Mathematics, Physics, and English) with the possibility of so choosing his minor elective subjects that he may have at least one more minor—Shop.

A graduate in this course is in a position, after teaching three years in a Texas high school, to receive a High School Permanent Certificate.

There are many instances when it is necessary for a teacher in an accredited high school to teach more than one subject. According to a recent ruling any teacher must have a major or minor in the subjects he is to teach. This curriculum furnishes the opportunity for a student to comply with this enactment.



Furthermore, this curriculum is such that upon completion the graduate has a background fitting him for the position of an employee of an industrial concern. It is not intended that this shall take the place of a course in Industrial Engineering, which is offered in this Department, but is for those students who prefer a training between that of the Engineer and the graduate in Arts and Sciences.

**311x. History and Principles of Vocational Education.** Cr. 1. I. Prerequisite: Junior standing in Industrial Education or permission of Head of Department. Background of the history of the vocational movement, not only in this country but elsewhere. The principles underlying this subject, with particular reference to those which apply to the movement in this country. Present practice in leading schools.

**331x. Educational and Vocational Guidance in Engineering.** Cr. 3. II. Prerequisite: Junior standing in Industrial Education or permission of Head of Department. Training students to become guides and counsellors in engineering and industry. Fields of guidance: social, physical, vocational, avocational; importance and need of guidance; method and plans of guidance.

**423x-4x. Industrial Arts Course-Making and Planning.** Cr. 2 (1-3). I and II. Prerequisite: Ind. Ed. 311x; senior standing in Industrial Education. Instruction and practice in outlining courses in Industrial Arts. To assist those students who anticipate becoming supervisors or teachers of industrial arts in public schools.

**425x-6x. Seminar.** Cr. 2 (1-3). I and II. Prerequisite: Senior standing in four-year Industrial Education course. In the nature of a thesis on a subject approved by the department head. Research work and planning. Required of all candidates for a degree in Industrial Education. Offered annually beginning 1936-37.

**431x. Industrial Arts Practice Teaching.** Cr. 3 (0-9). II. Prerequisite: Senior standing in four-year Industrial Education course. Supervised instruction in local schools or in Texas Technological College. Required of all candidates for a degree in Industrial Education. Offered annually beginning 1936-37.

## INDUSTRIAL ARTS

### (Two-Year Certificate Course)

The Two-year Certificate Course in Industrial Arts is intended primarily, for two classes of students:

First, those who wish to pursue their studies beyond the high school but who, for financial or other reasons cannot take a full four-year course.

Second, those who after entering college find they are unable to complete the four-year curricula but are interested in securing sufficient educational and shop training to enable them to conduct a small business of their own, or to enter the employ in an assistant's capacity of some one already operating such a business.

This course is designed to give the student a background of shop experience, at the same time to give him sufficient instruction in business administration, economics, and mathematics so that he can intelligently fill a station in life along the line of his preference and aptitude.

Inasmuch as the length of time outlined in which to complete the course is short, and the work required is heavy, students enrolling will find their time fully occupied.

Upon satisfactory completion of this course the College will issue a certificate, signed by the President, indicating that the course has been completed in a creditable manner and in a manner which warrants the recognition of the College authorities. It is to be clearly understood, however, that this certificate is not on the same plane as a diploma, nor does it comply with any of the State school laws governing teacher's certificates.



## DEPARTMENT OF MECHANICAL ENGINEERING

PROFESSORS GODEKE, DOUGHTIE. ASSISTANT PROFESSOR  
HARDGRAVE. INSTRUCTORS LEWIS, WORLEY.

Mechanical engineering is that branch of engineering which deals with the generation, transmission, and utilization of power; the design, construction, operation, and testing of machinery, and the management of shops and factories. The course of study in Mechanical Engineering is designed to prepare the student for entrance into these fields.

The curriculum includes, in addition to the fundamental sciences and the professional courses, a thorough training in the use of English and the foundation courses in economics. The student is given training in the mechanical arts to make him familiar with the use of hand and machine tools and with the methods employed in the machine shop, the pattern shop, the foundry, and the forging and heat treating departments. In the professional subjects by means of lectures, recitations, drawing room and laboratory work, typical mechanical engineering problems are presented and their practical solutions are indicated by the applications of the fundamental laws of physics, chemistry, and mathematics.

At present no specialized courses such as aeronautics are given. The fundamental subjects, upon which such specialized courses are built, are given in such a way that a student may take the regular Mechanical Engineering course for three years and finish his specialized course in some other school giving such work. However, it would probably be much better to take the full Mechanical Engineering course and later take the specialized work as graduate work in some other school.

For the benefit of those who do not wish to enter the design, shop, or power generating divisions, a course in Mechanical Engineering, Administrative Option, is offered. The student who elects this option, secures a knowledge of the fundamentals of the Mechanical Engineering course, but omits or abbreviates some of the more technical subjects and studies additional work in Business Administration and Economics.

New courses are offered in shop work for those who wish to specialize in this branch.

**121x. General Wood Work.** Cr. 2 (0-6). I, II. Care and operation of wood working lathes, jointer, saws, surfacer, and shaper; use of hand tools; projects in wood work embodying the various joints; paneling; glue; and various finishings.

**211x. Sheet Metal Work.** Cr. 1 (0-3). II. Prerequisite: Registration in Engr. Dwg. 133x. The fundamental operations of sheet metal work; developing patterns and laying out work; hand and machine operations; rolling, forming, crimping, wiring, seaming, grooving, cutting, turning, beading, riveting; soldering of brass, copper, tin, galvanized iron, and steel.

**221x. Engineering Problems.** Cr. 2 (1-2). I. Formerly 221. Prerequisite: Phys. 134x. Application of physics and mathematics to the solution of elementary engineering problems. Methods of attack, analysis, and presentation of problems; slide rule, graphs, and curve drawing.

**241x. Mechanism.** Cr. 4 (2-6). II. Formerly 222. Prerequisite: Engr. Dwg. 133x, M. E. 221x. Laws which govern the motion of various parts of machinery. Graphic analyses made of the various mechanisms, linkages, cams, gears, belts, and pulleys. For Mechanical Engineering students.

**311x. Pattern Shop.** Cr. 1 (0-3). I. Formerly 225. Prerequisite: Engr. Dwg. 133x. Methods and principles of pattern making; various woods, tools, and machines used. Shrinkage, glue joints, core boxes. Various constructions such as one piece patterns, laminated, segmental, and stave construction, end, and cross lap, dado, and rabbet joints. Individual instruction in the use of machine and hand tools.



- 312x. Foundry Practice.** Cr. 1 (0-3). I, II. Formerly 213. Prerequisite: Registration in M. E. 311x. Foundry materials and products; bench, floor, and pit molding; mixing, melting, and pouring of ferrous and non-ferrous metals; small foundry lay-out; making and testing of dry sand cores; green sand testing; microscopic examination and physical testing of non-ferrous metals; various methods of cleaning castings.
- 313x. Machine Shop.** Cr. 1 (0-3). I. Formerly 216 and 311. Prerequisite: Engr. Dwg. 133x. The various types of lathes, planers, millers, cutting tools, drills, reamers, abrasives, grinding machines, turret lathes, gear cutting machines, automatic screw machines, gauges, and inspection as applied to shop work. Bench work, such as chipping, filing, tapping, reaming, and fitting.
- 314x. Machine Shop.** Cr. 1 (0-3). II. Formerly 313 or 315. Prerequisite: M. E. 313x. A continuation of M. E. 313x. Standardization; routing of materials; die casting; press metals and presses; cutting fluids. Each student given advanced operations on machines, such as taper turning, internal and external threading, grinding, shaping, milling machine calculations, and operations.
- 315x. Heat Treating of Steel.** Cr. 1 (0-3). II. Formerly 214. Prerequisite: Chem. 220x. Laboratory work in the heat treating of plain carbon and alloy steels. Carburizing, cyaniding, nitriding, hardening, tempering, normalizing, annealing; various methods of forging, welding, and rolling steel and wrought iron; destruction tests and microscopic examination of heat-treated steels; heat-treating furnaces and materials used; thermit welding and its application.
- 316x. Welding Practice.** Cr. 1 (0-3). II. Formerly 222x. Welding practice; electric arc, resistance, oxy-acetylene, and thermit welding; application of welding in construction of machines and structural steel; repairing of machine parts; care and operation of oxy-acetylene and arc welding equipment; butt, lap, and tee welding; welding methods; pipe cutting and welding; welding of various metals.
- 317x-8x. Heat Engineering Laboratory.** Cr. 1 (0-3). I and II. Formerly 318-9 and 328-9. Prerequisite: Registration in M. E. 334x. Mechanical measurements, heat transmissions, and heat transfer equipment. Tests of power plant equipment, internal combustion engines, pumps, blowers, and air equipment. For Chemical, Electrical, and Textile Engineering students.
- 319x. Foundry Practice.** Cr. 1 (0-3). II. Prerequisite: M. E. 312x. A continuation of M. E. 312x with more advanced problems; foundry lay-out for quantity production; molding machines and match plates; cupola design; calculations for mixing, charging, and operating cupola; melting and casting cast iron; microscopic examination and physical testing of cast iron; malleable iron, and cast steel; cost of operation.
- 322x. Dynamics of Machinery.** Cr. 2. II. Formerly 426. Prerequisite: M. E. 241x, C. E. 332x. Forces acting in various types of machines such as flywheels, governors, turbine rotors, revolving discs; also balancing of machines. Applied kinetics.
- 330x-1x. Thermodynamics.** Cr. 3. I and II. Formerly 332-3 and 331x-321x. Prerequisite: Phys. 134x, Math. 251x, M. E. 221x. Thermodynamic principles governing the action of steam engines and turbines, internal combustion engines, air compressors, and refrigeration machines. Properties of air, steam, ammonia, gaseous mixtures, and other heat media. Problems. For Mechanical Engineering students.
- 332x. Mechanical Measurements and Thermodynamics Laboratory.** Cr. 3 (0-6). I. Formerly 321-2. Prerequisite: Registration in M. E. 330x and 341x. Correlation of the parts of various kinds of heat engines and of methods and instruments used in mechanical engineering measurements. Methods of calibrating various instruments. Applications of properties of steam, flow of liquids, heat transmission. Simple tests of power plant equipment. Outside work required. For Mechanical Engineering students.

**333x. Kinematics of Machinery.** Cr. 3 (2-3). II. Formerly 427. Prerequisite: Engr. Dwg. 133x, M. E. 221x, C. E. 332x. Kinematics and dynamics for non-Mechanical Engineering students. Motions of fundamental parts of machinery, such as linkwork, cams, gears, and flexible connections. Static and inertia force analyses and balancing. Graphic treatment used when possible. For Textile and Electrical Engineering students.

**334x. Thermodynamics and Heat Engines.** Cr. 3. I. Formerly 334, 331. Prerequisites: Phys. 134x, Math. 251x. The theory of heat as applied to heat power machines. Properties of air, steam, and other heat media; gas laws, calorimeters, steam engines, valve gears, governors, turbines, condensers and air machinery. For Architectural, Chemical, Civil, Electrical, and Textile Engineering students.

**335x. Thermodynamics and Heat Engines.** Cr. 3. II. Formerly 335-6. Continuation of M. E. 334x. Prerequisite: M. E. 334x. Combustion and fuels, boilers and boiler auxiliaries, internal combustion engines and auxiliaries, air compressors. Supplemented by power plant layout problems. For Textile, Chemical, and Electrical Engineering students.

**336x. Thermodynamics and Heat Engines.** Cr. 3 (2-3). II. Formerly 338-9. Continuation of M. E. 334x. Principles of combustion and fuels, boilers and boiler auxiliaries, internal combustion engines and auxiliaries, air compressors. Supplemented by 3 hours of power laboratory work. For Civil Engineering students.

**337x. Metallurgy.** Cr. 3. II. Formerly 439. Prerequisite: Phys. 232x, Chem. 220x. The manufacture of iron, steel, and non-ferrous metals. Extraction of metals from their ores. Blast furnaces, open hearth, Bessemer, and crucible methods. Refining. Ferrous and non-ferrous alloys and their properties. Metallography and effect of heat treating.

**341x. Steam Power Plant Engineering.** Cr. 4. I. Formerly 431-2. Prerequisite: Registration in M. E. 330x. Equipment of a modern steam power plant including boilers, economizers, superheaters, air preheaters, pumps, feed water heaters, draft producing equipment, coal handling machinery, boiler room accessories, engines, turbines, condensers, piping layouts, combustion of fuels, heat balance calculations.

**421x-2x. Advanced Laboratory Work.** Cr. 2 (0-6). I and II. Advanced problems in machine shop, foundry, pattern making, welding, heat-treating, power laboratory, heating and ventilation, internal combustion engines, refrigeration, and machine design. Given only when sufficient demand exists and only upon the approval of the instructor in charge of the desired work.

**423x-4x. Internal Combustion Engines.** Cr. 2. I and II. Formerly 4317-18 and 438x. Prerequisite: M. E. 331x and 341x, or 335x, or 336x. Mechanical and thermodynamic problems involved in the application of the internal combustion engine to automobiles, trucks, airplanes, portable and stationary power plants. Application of the Otto and Diesel 2 and 4 stroke cycles, using constant and variable specific heats of gases. Auxiliary equipment.

**431x. Power Plant Laboratory.** Cr. 3 (0-6). I. Formerly 421-2. Prerequisite: M. E. 332x. Continuation of tests on steam power plant equipment; turbines, fans, pumps. Tests on internal combustion engines using various fuels. Tests on refrigeration equipment. The analysis of data and their proper presentation in the form of an engineering report. Outside work required. For Mechanical Engineering students.

**432x. Power Plant Design.** Cr. 3 (1-6). II. Prerequisite: M. E. 341x, or 335x. The design of a modern power plant to meet a given situation. Load curves. Selection for location. Choice of equipment for most economical service. Layout of plant for best operating conditions. Power costs.

**433x. Heating and Ventilation.** Cr. 3. I. Formerly 3317. Prerequisite: M. E. 331x or 335x. Heat loss calculations. Different systems of heating and ventilation of offices, hotels, and industrial plants.

**434x. Industrial Engineering.** Cr. 3. II. Formerly 434. Prerequisite: Eco. 232x. The modern industrial system and the application of scientific knowledge to the management of industry, standardization, time studies, personnel relations. Plant layout, planning, scheduling, and inspection. Safety engineering. Engineering contracts.

**435x. Mechanical Equipment of Buildings.** Cr. 3 (2-3). II. Formerly 435-6. Prerequisite: M. E. 334x. The theory and application of the principles of heating and ventilation. Heat losses from buildings; various heating and ventilation systems; air conditioning. Fire prevention, vacuum cleaning, and miscellaneous equipment. For Architectural Engineering students. Given in alternate years; not given in 1936-37.

**436x-7x. Machine Design.** Cr. 3 (0-9). I and II. Formerly 4321-22-23. Prerequisite: M. E. 322x, 327x; C. E. 333x; Engr. Dwg. 221x. First part consists of lectures; latter part consists entirely of laboratory work. Division of time at discretion of instructor. Fundamental principles involved in design of machinery. Drafting room work consists of the solution of numerous problems and the complete design of one or more machines.

**439x. Air Conditioning.** Cr. 3. II. Prerequisite: M. E. 433x or 435x. Fundamental principles underlying air conditioning and practical application of air conditioning to homes, restaurants, theaters, office buildings, factories, passenger cars, and manufacturing processes such as are used in the textile and food industries.

**441x. Industrial Plant Design.** Cr. 4 (2-6). II. Prerequisite: Registration in M. E. 434x. Design of a commercial plant. Location, selection of equipment, routing, materials handling, storage, shipping, and proper working conditions. Given on sufficient demand.

Courses in this department which may be taken for graduate credit are: M. E. 322x, 331x, 421x-2x, 423x-4x, 432x, 433x, 439x, 441x.

## DEPARTMENT OF TEXTILE ENGINEERING

PROFESSOR BRANDT. ASSOCIATE PROFESSOR HEARD.

The Department of Textile Engineering offers thorough training to students who intend entering the textile industry or the technical phases of allied fields, such as dry cleaning, laundering, or fabric purchasing for department stores. With its modern equipment and well arranged classrooms and laboratories, ample opportunities are afforded for both theoretical and practical instruction.

Three optional branches of study are offered the student for specialized work. The entire textile field itself is too broad to be covered in a single course. Therefore the division into engineering, chemistry, and design is made. The student may exercise his choice and concentrate his study in the field in which he has special aptitude. The course of freshman study is common to all textile students, thereby allowing ample time before final choice of option is made.

The textile instruction consists of lectures, calculations, tests, investigations, and experimentation with the various machines; practical operation of the machines by students; the principles underlying fabric structure; and the elements of woven design. The structure and cost of fabrics are ascertained by work in cloth analysis.

The carding and spinning areas of the textile plant and laboratories have complete equipment required to convert the fiber into the finished yarn. All of the machines are the standard mill sizes and include vertical opener, picker, cards, both roller and revolving flat, comb, drawing frames, roving frames, and spinning frames, both regular and long draft.

The weaving area of the plant is equipped with machinery for the production of almost any type of cotton fabric. Upon these machines the students do practical work in the manufacture of many standard fabrics. Wide latitude is given the student in producing fabrics to illustrate different color combinations and weave effects of his own design.

The principles of latch needle knitting applicable to the knitting of hose, half-hose, and mufflers, and the construction and operation of circular and flat latch needle machines are studied.

In the dyeing laboratory instruction, which precedes practical dyeing on the machines, students study the action of the alkalies and acids on the various textile fabrics, and the application of the various classes of dyes to silk, wool, cotton, and rayon. Full details of the processes employed in bleaching cotton yarn and cloth are followed, including water purification by chemical and mechanical means, with special reference to bleaching and finishing.

A testing laboratory is equipped with apparatus for testing the products in the various stages of manufacture into yarns and fabrics. Cotton, laps, slivers, rovings, yarns, and fabrics are tested to determine the moisture content. The effect of different speeds, settings, twists, temperatures, and humidities on the appearance, elasticity, and strength of yarns and fabrics.

**221x. Textile Fibers.** Cr. 2 (0-6). I. Formerly 228. Physical and chemical properties of fibers for textile purposes. Production, classing, grading, stapling, chemical, and physical properties, and preparation for processing.

**222x. Yarn Manufacture.** Cr. 2. (0-6). II. Formerly 227-9. Machines used in fabric manufacture. Work done in each of the areas of carding, spinning, weaving, and dyeing.

**231x. Textile Fibers and Fabrics.** Cr. 3. I. Formerly 131-2 or 131x. Fiber study, yarns, fabric design, and weaving. Fabrics, selection, and maintenance. Selection and proper use of textile material. Open to all students.

**232x. Fabric Dyeing and Maintenance.** Cr. 3 (2-3). II. Formerly 133 or 132x. Methods of dyeing, bleaching, and finishing of textiles. Color harmony, mixing, and color matching. Modern methods of laundering, dry cleaning, and stain removal. Testing for fastness of yarns and fabrics.

**233x. Hand Weaving from Fiber to Fabric.** Cr. 3 (1-6). S. A study of fibers, preparation, dyeing, carding, spinning, warping, weaving and finishing hand woven woollens.

**311x. Cotton Grading and Stapling.** Cr. 1 (0-3). II. Laboratory practice in judging the grade and staple of cotton. Utility, value, and commercial practices.

**321x-2x. Fabric Design and Weaving.** Cr. 2 (1-3). I and II. Formerly 324-5-6. Lectures and practical work in the structure and manufacture of the simpler types of fabrics. Plain and dobby looms with special regard to the mechanical principles involved.

**323x-4x. Dyeing and Finishing.** Cr. 2. I and II. Formerly 327-8-9. Prerequisite: Registration in Chem. 343x-4x. The chemistry and principles of the bleaching, dyeing, and finishing of fabrics.

**325x. Cotton Grading and Stapling.** Cr. 2 (1-3). S. Laboratory practice in judging the grade and staple of cotton. Utility, value, commercial practices.

**331x-2x. Yarn Manufacture.** Cr. 3 (2-3). I and II. Formerly 331-2-3. Prerequisite: T. E. 221x-2x. The construction and practical operation of the machines used in the manufacture of cotton and woolen yarns.

**421x-2x. Fabric Design, Analysis, and Manufacture.** Cr. 2 (1-3). I and II. Formerly 437-8-9. Prerequisite: T. E. 321x-2x. Advanced work in design and analysis of jacquard and fancy dress materials. A continuation of the study of the mechanics and operation of the various looms.

**431x-2x. Mill Organization, Knitting, and Testing.** Cr. 3 (1-6). I and II. Formerly 444-5-6. Prerequisite: T. E. 331x-2x. Mill machine balance and plant layout. Knitting on circular and warp machines. Actual experience in the testing laboratory by solving problems of a commercial nature.

**433x-4x. Dyeing and Finishing.** Cr. 3 (0-9). I and II. Formerly 434-5-6. Prerequisite: T. E. 323x-4x. Practical application of the principles taught in T. E. 323x-4x.

## DIVISION OF HOME ECONOMICS

MARGARET W. WEEKS, DEAN

### PURPOSE

The Division of Home Economics of Texas Technological College offers a college education leading to the degree of Bachelor of Science. The aim of the Division is to prepare young women for the important position of home making and for the vocations which grow out of home making activities. The curricula are arranged to meet the needs of those students who desire a good foundation in the subjects relating to the social, scientific, artistic, and economic problems of the home; for those who wish to prepare themselves for teaching home economics in the high schools of the State; for those who wish to become home demonstration agents; and for those who wish to enter commercial fields.

The Division of Home Economics also aims to give instruction to students registered in other divisions of the College who may elect home economics courses as a part of a liberal education. Students in the Division of Arts and Sciences may use twenty-four semester hours of Home Economics as partial fulfillment of the requirements for the Bachelor of Arts degree.

### BUILDINGS

Two buildings are used for Home Economics teaching, namely, the first unit of the Home Economics Building, and the Home Management House.

The first unit of the Home Economics Building was completed at the opening of the College. It is a two-story brick building and contains, in addition to class rooms, well equipped laboratories for teaching foods, clothing, and applied arts.

The Home Management House, located near the Home Economics Building, is a two-story brick building designed in harmony with the Spanish type of architecture adopted for the College buildings. The function of the house is threefold: to serve as a home where students may put into practice the knowledge gained in the class rooms; to serve as a laboratory for work in home furnishings; and to be used as a center for social activities of the Division of Home Economics.

### FIELD FOR GRADUATES

There are many positions, aside from home making, open to the women trained in home economics among which may be mentioned the following:

Testers in textile laboratories for department stores, personal shoppers in large department stores; designers in factories and dressmakers' shops; home demonstration agents; consultants or stylists in home decorating studios and department stores; dietitians in hospitals and schools; tea room or lunch room managers; writers of articles dealing with home problems.

For such commercial positions it is usually necessary that the student have the opportunity for practical experience in the commercial field, and also that she have post graduate courses in the specialized subject. The foundation work, however, is offered at Texas Technological College. The Division of Home Economics is prepared to give advice and to help secure for its students such practical experience as will lead to the vocations listed above.

Home Economics instruction at Texas Technological College has been approved by the State Board of Vocational Education. Graduates of the Division of Home Economics who satisfactorily complete the work of the teacher training major are eligible to receive, in addition to the Bachelor of Science degree, the Home Economics Certificate of Approval. This certificate is awarded by the State Department of Education and entitles the holder to teach Home Economics under the Smith-Hughes plan.

### TEACHERS' CERTIFICATE

Teachers' certificates valid in Texas, and in other states as well, may be secured by students registered in the Division of Home Economics, provided a sufficient number of courses in Education are included in the student's program. The courses in Education may count as elective subjects. For complete information regarding teachers' certificates, see **Department of Education and Psychology**.

### REGULATIONS

Regulations governing students in the Division of Home Economics are essentially the same as those applying to students in other divisions of the College. These regulations may be found under **Regulations for Students**.

### ORIENTATION

Freshman students are required to attend certain scheduled lectures during their freshman year. This course is known as Home Economics Orientation 111x, and is a part of the requirements for graduation.

### HOME ECONOMICS SEMINAR

All senior students are required to attend the home economics seminar which is scheduled during the second semester of the senior year. This course is known as Home Economics Education 411x.

### REQUIREMENTS FOR GRADUATION

Specialized courses of study are offered in Textiles and Clothing, Foods and Nutrition, Home Demonstration, and Home Economics Education, as well as a course in General Home Economics.

All Home Economics students are required to pursue the same course of study throughout the freshman year. This is done to allow the student to become familiar with the various branches of home economics so that she may have a better basis for choice of the curriculum she wishes to pursue. The choice of major is made in the sophomore year.

Students who wish to obtain at the close of the freshman year a certificate to teach, may substitute a year of education for any of the prescribed subjects, with the exception of English. The subject which is omitted must be made up in the sophomore year.

Students who are found to be notably deficient in the fundamentals of oral or written English will be required to remove the deficiency before they are graduated from the College.

### DEGREE

The degree of Bachelor of Science in Home Economics will be conferred upon students who satisfactorily complete one of the prescribed curricula in the Division of Home Economics as outlined on the following pages.

The degree is given with majors in Home Economics Education, Clothing and Textiles, Foods and Nutrition, General Home Economics and Home Demonstration. For all majors except the Home Economics Education major 130 semester hours work are required including 4 semester hours of physical education, together with 126 grade points exclusive of physical education. For the Home Economics Education major 136 semester hours work are required including 4 semester hours of physical education, together with 132 grade points exclusive of physical education.

The minimum residence requirements for graduation are two semesters and thirty hours credit. If only one year is spent in residence it should be the last year.

Further information relative to credits allowed for courses taken in other colleges may be found under **Entrance**.



## CURRICULA FOR HOME ECONOMICS STUDENTS

CURRICULA FOR THE DEGREE BACHELOR  
OF SCIENCE IN HOME ECONOMICS

## Uniform Freshman Year for all Home Economics Students

	Semester Hours	
	Sem. I	Sem. II
<b>Freshman Year</b>		
Eng. 131x-2x. Freshman Composition .....	3	3
Chem. 131x-2x. General Chemistry .....	3	3
Cloth. 131x. Elementary Textiles .....	3	.....
Cloth. 132x. Clothing Construction .....	.....	3
Foods 131x-2x. Food Preparation and Service .....	3	3
A. Arts 131x. Elementary Design .....	3	.....
Math. 135x. Mathematics for Home Economics Students .....	.....	3
H. E. Or. 111x. Orientation for Home Economics Students .....	1	.....
Physical Education .....	1	1
	17	16

Beginning with the sophomore year the student will select the major she desires to pursue. Beginning with the sophomore year also, the student will select the field in the Division of Arts and Sciences from which she wishes to choose the arts and sciences electives. The choice may be made from any department in the Division of Arts and Sciences provided the work is taken in the same or closely allied fields. Not more than 18 semester hours in Education may be used in any curricula. If a student wishes to schedule more than 18 hours in Education she may schedule the additional hours in excess of the required hours for graduation. This means that it will take longer than four years to obtain the degree.



## CURRICULUM IN CLOTHING AND TEXTILES

Semester Hours  
Sem. I Sem II

For Freshman Year See Page 117

## Sophomore Year

Eng. 231x-2x. Introduction to Literature .....	3	3
Zool. 235x-6x. The Human Body .....	3	3
A. Arts 231x. Costume Design .....	3	.....
Eco. 231x-2x. Principles of Economics .....	3	3
Cloth. 231x. Pattern Designing .....	3	.....
Cloth. 232x. Dressmaking .....	.....	3
Hist. 131x-2x. History of Civilization .....	3	3
Physical Education .....	1	1
	19	16

## Junior Year

Anthro. 331x-2x. Anthropology .....	3	3
Bact. 231x. Bacteriology .....	.....	.....
or		
Chem. 341x. Organic Chemistry .....	.....	3 or 4
French 131x-2x. A Beginning Course in French .....	3	3
Govt. 320x. American Government, National and State .....	.....	2
A. Arts 331x. Interior Decoration .....	3	.....
A. Arts elective .....	.....	3
Cloth. 431x. Textile Economics .....	3	.....
Cloth. 422x. Home Furnishings .....	.....	2
Elective .....	3	.....
	15	16 or 17

## Senior Year

Advanced Chem., Textile Chem., or Textile Engineering .....	3	.....
H. Mgt. 421x. Child Development .....	2	.....
H. Mgt. 422x. Family Relationships .....	.....	2
Cloth. 321x. Children's Clothing .....	2	.....
Cloth. 322x. Weaving Crafts .....	.....	2
Cloth. 331x. Tailoring .....	3	.....
Cloth. 433x. His. of Costume and Advanced Dress Design .....	.....	3
Cloth. 432x. Advanced Textiles .....	.....	3
H. E. Ed. 411x. Home Economics Seminar .....	.....	1
Elective .....	3	.....
*Arts and Sciences elective .....	3	3
	16	14

\*Same subject must be continued throughout the year and must be approved by the student's adviser.

## CURRICULUM IN FOODS AND NUTRITION

Semester Hours  
Sem. I Sem. II

For Freshman Year See Page 117

## Sophomore Year

Eng. 231x-2x. Introduction to Literature .....	3	3
Zool. 235x-6x. The Human Body .....	3	3
Foods 231x. Dietetics .....	3	.....
Foods 232x. Meal Planning and Table Service .....	.....	3
A. Arts 231x. Costume Design .....	3	.....
Cloth. 231x. Pattern Designing .....	3	.....
Cloth. 232x. Dressmaking .....	.....	3
Govt. 320x. American Government, National and State .....	.....	2
H. Mgt. 322x. Home Nursing .....	.....	2
Physical Education .....	1	1
	16	17

## Junior Year

Chem. 341x. Organic Chemistry .....	4	.....
Chem. 342x. Physiological Chemistry .....	.....	4
Eco. 231x-2x. Principles of Economics .....	3	3
or		
Anthropology or Sociology elective .....	.....	.....
and		
Eco. 235x. Principles of Economics .....	.....	.....
Psy. 231x. Educational Psychology .....	3	.....
Ed. 234x. Principles of Secondary Education .....	.....	3
Foods 332x. Food Purchasing .....	3	.....
H. Mgt. 331x. Household Administration .....	.....	3
*Arts and Sciences elective .....	3	3
	16	16

## Senior Year

Bact. 231x. Bacteriology .....	.....	3
Cloth. 431x. Textile Economics .....	3	.....
**H. Mgt. 432x. Residence in Home Management House .....	.....	3
Foods 432x. Nutrition .....	3	.....
Foods and Nutrition electives .....	3	3
H. Mgt. 421x. Child Development .....	2	.....
H. Mgt. 422x. Family Relationships .....	.....	2
H. E. Ed. 411x. Home Economics Seminar .....	.....	1
Electives .....	3	.....
*Arts and Sciences elective .....	3	3
	17	15

## Foods and Nutrition Electives

Students interested in preparing themselves for institutional managers, or directors of lunch rooms, should schedule Foods 435x-6x. Students interested in becoming dietitians in hospitals should schedule also Foods 421x.

\*Same subject must be continued throughout the year and must be approved by the student's adviser.

\*\*Or elective approved by the Dean.

## CURRICULUM IN HOME ECONOMICS EDUCATION

For Freshman Year See Page 117

## Sophomore Year

	Semester Sem. I	Hours Sem. II
Eng. 231x-2x. Introduction to Literature .....	3	3
Zool. 235x-6x. The Human Body .....	3	3
Foods 231x. Dietetics .....	3	
Foods 232x. Meal Planning and Table Service .....		3
A. Arts 231x. Costume Design .....	3	
Cloth. 231x. Pattern Designing .....	3	
Cloth. 232x. Dressmaking .....		3
Govt. 320x. American Government, National and State .....		2
H. Mgt. 322x. Home Nursing .....		2
Physical Education .....	1	1
	16	17

## Junior Year

Chem. 341x. Organic Chemistry .....	4	
Bact. 231x. Bacteriology .....		3
Eco. 231x-2x. Principles of Economics .....	3	3
or		
Anthropology or Sociology elective		
and		
Eco. 235x. Principles of Economics .....		
Psy. 231x. Educational Psychology .....	3	
Ed. 234x. Principles of Secondary Education .....		3
H. Mgt. 331x. Household Administration .....	3	
Foods 332x. Food Purchasing .....		3
A. Arts 331x. Interior Decoration .....	3	
Cloth 422x. Home Furnishing .....		2
*Arts and Sciences elective .....	3	3
	19	17

## Senior Year

H. E. Ed. 411x. Home Economics Seminar .....		1
H. E. Ed. 412x. Supervised Practice in Home Projects .....	1	
H. E. Ed. 431x. Methods in Home Economics .....	3	
H. E. Ed. 421x. Demonstration Methods in Clothing .....		2
H. E. Ed. 441x. Student Teaching .....		4
Cloth. 431x. Textile Economics .....	3	
H. Mgt. 421x. Child Development .....	2	
H. Mgt. 422x. Family Relationships .....		2
Foods 432x. Nutrition .....	3	
H. Mgt. 432x. Residence in Home Management House .....		3
Cloth. 321x. Children's Clothing .....		2
Foods and Nutrition elective .....	2	
*Arts and Sciences elective .....	3	3
	17	17

\*Same subject must be continued throughout the year and must be approved by the student's adviser.

## CURRICULUM IN GENERAL HOME ECONOMICS

Semester Hours  
Sem. I Sem. II

For Freshman Year See Page 117

## Sophomore Year

Eng. 231x-2x. Introduction to Literature .....	3	3
Zool. 235x-6x. The Human Body .....	3	3
Foods 231x. Dietetics .....	3	
Foods 232x. Meal Planning and Table Service .....		3
Cloth. 231x. Pattern Designing .....	3	
Cloth. 232x. Dressmaking .....		3
A. Arts 231x. Costume Design .....	3	
Govt. 320x. American Government, National and State .....		2
H. Mgt. 322x. Home Nursing .....		2
Physical Education .....	1	1
	16	17

## Junior Year

Chem. 341x. Organic Chemistry .....	4	
Bact. 231x. Bacteriology .....		3
Eco. 231x-2x. Principles of Economics .....	3	3
or Anthropology or Sociology elective and		
Eco. 235x. Principles of Economics .....		
Psy. 231x. Educational Psychology .....	3	
Ed. 234x. Principles of Secondary Education .....		3
H. Mgt. 331x. Household Administration .....	3	
Foods 332x. Food Purchasing .....		3
*Arts and Sciences elective .....	3	3
	16	15

## Senior Year

Cloth 431x. Textile Economics .....	3	
H. Mgt. 421x. Child Development .....	2	
H. Mgt. 422x. Family Relations .....		2
**H. Mgt. 432x. Residence in Home Management House .....		3
Cloth. 321x. Children's Clothing .....		2
A. Arts 331x. Interior Decoration .....	3	
Cloth 422x. Home Furnishings .....		2
H. E. Ed. 411x. Home Economics Seminar .....		1
Hort. 322x. Landscape Appreciation .....		2
Electives .....	4	3
*Arts and Sciences elective .....	3	3
	15	18

\*Same subject must be continued throughout the year and must be approved by the student's adviser.

\*\*Or elective approved by the Dean.

## CURRICULUM IN HOME DEMONSTRATION

Semester Hours  
Sem. I Sem. II

For Freshman Year See Page 117

## Sophomore Year

Eng. 231x-2x. Introduction to Literature .....	3	3
Zool. 235x-6x. The Human Body .....	3	3
Govt. 320x. American Government, National and State .....	2	
Foods 231x. Dietetics .....	3	
Foods 232x. Meal Planning and Table Service .....		3
A. Arts 231x. Costume Design .....	3	
Cloth. 231x. Pattern Designing .....	3	
Cloth. 232x. Dressmaking .....		3
H. Mgt. 321x. Home Nursing .....	2	
Physical Education .....	1	1
	16	17

## Junior Year

Chem. 341x. Organic Chemistry .....	4	
Bact. 231x. Bacteriology .....		3
Eco. 231x-2x. Principles of Economics .....	3	3
or Anthropology or Sociology elective and		
Eco. 235x. Principles of Economics .....		
Psy. 231x. Educational Psychology .....	3	
H. Mgt. 331x. Household Administration .....	3	
H. Mgt. 432x. Residence in Home Management House .....		3
Foods 332x. Food Purchasing .....		3
*Arts and Sciences elective .....	3	3
	16	15

## Senior Year

A. Arts 331x. Interior Decoration .....	3	
Cloth. 422x. Home Furnishings .....		2
Cloth. 431x. Textile Economics .....	3	
H. Mgt. 421x. Child Development .....	2	
H. Mgt. 422x. Family Relations .....		2
Cloth. 321x. Children's Clothing .....	2	
Foods 322x. Demonstration Cookery .....		2
H. E. Ed. 421x. Demonstration Clothing .....		2
H. E. Ed. 411x. Home Economics Seminar .....		1
Foods 321x. Food Preservation .....		2
Cloth. 322x. Weaving Crafts .....	2	
Rural Soc. 421x. Methods of Research and Extension .....	2	2
Agriculture electives .....	3	3
	17	16

\* Some subject must be continued throughout the year and must be approved by the Student's adviser.

## DEPARTMENT OF APPLIED ARTS

ASSOCIATE PROFESSOR McJIMSEY. INSTRUCTOR HAWLEY.

The Department of Applied Arts aims to develop appreciation and good taste as well as to afford some opportunity for creative work. The courses are aimed to meet the needs of two groups of students: those who are majoring in Home Economics and those students from other divisions who wish an initial course in art appreciation, elementary design, costume design, and interior decoration.

**131x. Elementary Design.** Cr. 3 (1-6). I, II. Formerly 131, 1-2 of 132. Design principles as applied to line, form, and color in theory and practice; intelligent standards for good taste in selection and arrangement, simple creative designs and elementary work in lettering and block print.

**132x. Textile Design.** Cr. 3 (1-6) II. Formerly 132, 1-2 of 133. Prerequisite: A. Arts 131x. The application of students' design and color combinations in batik, tie dye, block print, and stitchery. Appreciation of color and decorative design.

**231x. Costume Design.** Cr. 3 (1-6). I, II. Formerly 231. Prerequisite: A. Arts 131x. Application of design principles to costume planning and selection; analysis of personality and figure differences and the choice of specifically becoming line and color; simple costume sketches required.

**311x-2x. Advanced Craft Design.** Cr. 1 Each. I, II. Prerequisite: Applied Arts courses satisfactory to instructor. Special problems in any craft in which the first course has been taken. May be repeated for full credit.

**331x. Interior Decoration.** Cr. 3 (1-6). I. Formerly 431. Prerequisite: A. Arts 131x. An introductory survey of our domestic architecture; house plans with emphasis on utility, convenience, and charm of arrangement; application of design principles to house furnishing selection and arrangement; wall coverings, rugs, furniture, curtains, pictures and accessories.

**334x. Craft Design.** Cr. 3 (1-6). I. Prerequisite: A. Arts 131x. The application of students' design in leather and wood.

**335x. Craft Design.** Cr. 3 (1-6). II. Prerequisite: A. Arts 131x. Appreciation and technique in designs for metal and jewelry.

**337x. Art Appreciation.** Cr. 3. II. An appreciation of line, form, and color, not only in the fine arts, but also in costume and home furnishing, providing a background for more intelligent judgment and appreciation.

## DEPARTMENT OF CLOTHING AND TEXTILES

PROFESSOR ERWIN. ASSISTANT PROFESSOR BUSTER.  
INSTRUCTOR LOONEY.

The Department of Clothing and Textiles has for its objectives: training of future home makers in the best known practices of providing garments and materials for the family and home; translating these practices into principles both for the homemaker and the teacher of homemaking; and providing sufficient background so that by the addition of personal initiative and practical experience a student may qualify for related commercial, professional, and research positions.

Students majoring in this department must consult the head of the department before registering as to selection of advanced courses and electives. Students expecting to teach in non-vocational schools should elect education courses. Students wishing to teach in vocational high schools should not major in this department, but in the Department of Home Economics Education. Students desiring to prepare for research work will elect chemistry,

physics, textile engineering, and related courses, as substitutes for design and clothing construction courses, upon the recommendation of the head of the department.

**131x. Elementary Textiles.** Cr. 3 (2-3). I, II. Formerly 131, 1-2 of 133. Identification of fabrics, weaves, fibers, finishes, and quality of fabrics. Practical problems in testing, laundering, wearing qualities, and texture combinations. Use and care of fabrics for clothing and home furnishings; the effect of heat and chemicals on fabrics.

**132x. Elementary Clothing Construction.** Cr. 3 (1-6). I, II. Formerly 132, 1-2 of 133. Practical problems in the selection of harmonious wardrobes based on art principles considering occasions, needs and cost. Principles of using commercial patterns. Construction of tailored and afternoon dresses of cotton or linen.

**231x. Pattern Designing.** Cr. 3 (1-6). I, II. Formerly 232. Prerequisite: Cloth. 131x, 132x; A. Arts 231x, or parallel. Exercises in fitting garments for various difficulties; pattern study. Freehand designing of flat patterns from a corrected foundation pattern.

**232x. Dressmaking.** Cr. 3 (1-6). I, II. Formerly 231. Prerequisite: Cloth. 131x, 132x; A. Arts 231x. Essential principles of dressmaking. Skill in handling silk and wool through construction of a dress and a coat.

**321x. Children's Clothing.** Cr. 2 (1-3). I. Formerly 332. Prerequisite: Cloth. 131x, 132x, 231x or 232x; A. Arts 131x, 231x. Selection, care, designing and construction of children's clothing. Wardrobe budgets based on various income levels.

**322x. Weaving Crafts.** Cr. 2 (0-6). II. Formerly 135. Prerequisite or parallel: Cloth. 131x; A. Arts 131x. Hand weaving and rug hooking. Preparing warp, threading loom, dyeing yarn and other materials.

**331x. Tailoring.** Cr. 3 (1-6). I. Formerly 433. Prerequisite: Cloth. 232x, 321x; advanced standing. Technique of constructing tailored garments: pressing and cleaning. Time and cost studies. Several garments made for customers.

**332x. Advanced Dressmaking.** Cr. 3 (1-6). II. Prerequisite: Cloth. 231x, 232x; advanced standing. Technique in handling garments involving materials unusual in texture. Adapting historic costume and other source material to modern decorative details. Patterns adapted from commercial, flat-pattern and simplified draping techniques. Problems adjusted to needs of individual students in the construction of practically any type of garment.

**421x. Demonstration Clothing.** Cr. 2 (1-3). II. Formerly 434. Prerequisite: H. E. Ed. 431x; Cloth. 231x, 232x, 321x, 431x; senior standing. Methods used in teaching clothing. Demonstrations and projects. Preparation of illustrative materials, scales, and exhibits.

**422x. Home Furnishings.** Cr. 2 (1-3). II. Formerly 436. Prerequisite: Cloth. 431x; A. Arts 331x, or parallel. Purchase, use, care, and construction of household linens, curtains, rugs, upholstery, and slip covers. Especially for home demonstration agents and homemakers.

**431x. Textile Economics.** Cr. 3 (2-3). I. Formerly 331. Prerequisite: Cloth. 231x or 232x; Eco. 231x. Development of a consumer's code through the coordination of principles of economics, science, hygiene, aesthetics, social psychology, practical values and cost for the wiser consumption of textiles.

**432x. Advanced Textiles.** Cr. 3 (2-3). II. Prerequisite: Cloth 131x. Reading, reports, conferences, and individual laboratory work in a survey of research already accomplished or still needed in the solution of consumers' problems in textiles. Given in alternate years; given in 1935-36.

**433x. History of Costume and Advanced Dress Design.** Cr. 3 (1-6). II. Formerly 432, 333, 435. Prerequisite: Advanced standing, history, applied arts, and



clothing courses satisfactory to instructor. Draping materials into dress designs and planning decorative features based on the contribution of different countries and civilizations to the development of dress. Given in alternate years; not given in 1935-36.

The following advanced undergraduate courses may be used as minors or electives for a master's degree, if properly petitioned for in advance, provided an additional special problem is done in each course: Cloth. 431x, Cloth. 432x.

## DEPARTMENT OF FOODS AND NUTRITION

PROFESSORS McCRERY, CRADDOCK, WEEKS. ASSOCIATE  
PROFESSOR TWYFORD. INSTRUCTOR HODGES.

The Department of Foods and Nutrition aims to give a well rounded training in food selection, purchasing, and preparation. It has as its primary objective the education of the college woman for scientific administration of the family food supply.

The several courses offered in this department are designed to help prepare the student for the position of: (1) homemaker, (2) teacher of home-making, (3) hospital dietitian, (4) administrator in institutional cookery, and (5) commercial demonstrator.

Students expecting to teach in a high school should choose among their electives Home Economics Education. Students expecting to teach home economics in a vocational high school should not major in this department, but in Home Economics Education.

**131x-2x. Elementary Food Preparation and Serving.** Cr. 3 (1-6). I, II. Formerly 131-2-3. The fundamental principles of cookery in relation to all types of foods. The planning and serving of simple home meals.

**133x. Food Selection and Elementary Nutrition.** Cr. 3. I. Formerly 134. Elementary principles of nutrition and the relation of food selection to health. Open to men and women students.

**231x. Dietetics.** Cr. 3 (2-3). I, II. Formerly 232-3. Prerequisite: Foods 131x-2x. Chem. 131x-2x. Prerequisite or parallel: Zool. 235x-6x. The essentials of an adequate diet. The food requirements of persons of different ages, and the nutritive values of common food materials. Experimental work with laboratory animals.

**232x. Meal Planning and Table Service.** Cr. 3 (1-6). I, II. Formerly 231. Prerequisite or parallel: Foods 231x. The planning, cooking and serving of suppers, luncheons, dinners, buffet meals, and afternoon teas. Food combinations in relation to the nutritive and the aesthetic aspects of menu planning. Computation of costs of meals, and compilation of food budgets. Economics of food purchasing.

**233x. Food Selection and Serving.** Cr. 3 (1-6). II. Formerly 234. Prerequisite: Foods 134x. Food preparation in meal combinations. The economics of food selection and purchase. Menu planning from the nutritive and the aesthetic standpoints. Especial emphasis upon the serving of meals. Open to men and women students.

**321x. Food Preservation.** Cr. 2 (0-6). S. Formerly 321. Prerequisite: Sophomore standing. Adaptation of newer methods of food preservation to modern science. Intensive practice in canning, preserving and pickling meats, fruits, vegetables. Especially for home demonstration agents.

**322x. Demonstration Cookery.** Cr. 2 (1-3). II. Formerly 334. Procedure in demonstrating before audiences of different sorts. Especially for prospective teachers and home demonstration agents.

**331x. Large Quantity Cookery.** Cr. 3 (1-6). II. Formerly 331. Prerequisite: Foods 232x. Administration, equipment, and accounting for various types of institutions, with special emphasis on the school lunch room—actual administrative experience given in the home economics tea room.

**332x. Food Purchasing.** Cr. 3 (2-3). I. Formerly 332. Prerequisite: Foods 232x. Food purchasing, with emphasis on the relation of the producer to the consumer, on food legislation, and on methods of reducing food costs. Visits to local markets. Economy of time, labor, money, and equipment.

**333x. Introduction to Research in Cookery.** Cr. 3 (1-6). II. Formerly 335. Prerequisite: Foods 232x. Experimental work in the field of cookery. Factors influencing food preparation. Comparison of commercially prepared with home prepared foods. Given in 1935-36.

**421x. Nutrition in Disease.** Cr. 2. II. Formerly 433. Prerequisite: Foods 432x. Adaptation of diet to disorders of nutrition. Specific diseases, the prevention and care of which are largely influenced by diet. Given in alternate years; given in 1935-36.

**431x. Catering.** Cr. 3 (1-6). II. Formerly 431. Prerequisite: Junior or senior standing and completion of foods courses satisfactory to instructor. Consideration of food service to the public as a possible profession. Food preparation and service for special occasions. Given in alternate years; not given in 1935-36.

**432x. Advanced Nutrition.** Cr. 3. II. Formerly 432. Prerequisite: Foods 231x. Nutritive requirements from infancy to old age. Emphasis upon the functions of the dietary essentials, and the relation of the chemistry and physiology of digestion to these essentials. Survey of current literature.

**435x-6x. Institutional Management and Large Quantity Cookery.** Cr. 3 (1-6). I and II. Prerequisite: Foods 231x-2x and junior standing. Problems of organization, administration, and equipment confronting the dietitian or manager of school lunchrooms, dormitories, cafeterias, and hospitals. Actual experience in the planning of menus, purchasing of food materials, supervision of employees, and the economical and attractive preparation of foods in large quantities.

The following advanced undergraduate courses may be used as minors or electives for a master's degree, if properly petitioned for in advance, provided an additional special problem is done in each course: Foods 333x, 432x, 435x-6x.

## DEPARTMENT OF HOME ECONOMICS EDUCATION (VOCATIONAL HOME ECONOMICS)

PROFESSORS WEEKS, ERWIN. ASSOCIATE PROFESSOR JOHNSON.

The curriculum in the Department of Home Economics Education is planned to meet the requirements for the Vocational Certificate of Approval and the Permanent Teachers Certificate in Home Economics; it also meets the requirements for the four-year high school certificate.

In order to obtain the Vocational Certificate of Approval certain courses are required which are not required in the general Home Economics major or in the other majors offered by the Home Economics Division. For this reason 6 additional hours are required for graduation from this major. This means that unless a student is an "A" student she should take four years and a summer to complete the course.

Candidates for a Vocational Certificate must have had also some actual homemaking experience. Plans for this experience should be made early in the course. A statement concerning them must be filed in the office of the Dean of Home Economics at or before the beginning of the senior year.

**411x. Home Economics Seminar.** Cr. 1. II. Prerequisite: Senior standing in Home Economics. Reports and discussions on assigned topics based on recent literature and research.

**412x. Supervised Practice in Home Projects.** Cr. 1. I,II. Prerequisite: H. E. Ed. 431x and H. E. Ed. 441x, or parallel. Application of methods used in directing home projects in the home situation, organizing and managing home projects in sequences according to high school needs; designed to supplement experience in teaching homemaking in high school.

**421x. Demonstration Methods in Clothing.** Cr. 2. II. Formerly Cloth. 421x. Prerequisite: H. E. Ed. 431x; Cloth. 231x, 232x, 321x, 431x; senior standing. Methods used in teaching clothing. Demonstrations and projects. Preparation of illustrative material, scales, exhibits.

**431x. Methods of Teaching Home Economics.** Cr. 3. I, II. Formerly 432 and part of 431. Prerequisite: Ed. 234x; senior standing. Problems involved in teaching home economics in the public schools. Study of Texas state course of study in home economics; lesson planning; collection and organization of teaching material; home projects; methods of testing instruction; teaching aids; equipment, business management.

**432x. Improvement of Techniques in Home Economics Teaching.** Cr. 3. S. Prerequisite: Experience in teaching home economics in high school. Special instruction in the problem method of teaching; aid in solving problems involved in the teaching and administration of home economics in the public schools. Offered in the summer only; taught by the District Supervisor of Home Economics Education.

**433x. Methods in Parent Education and Child Development.** Cr. 3. S. Prerequisite: Experience in teaching home economics in high school or special permission of the instructor. Methods of conducting adult classes in parent education and child development. Offered in the summer session only.

**441x. Student Teaching in Home Economics.** Cr. 4 (1-9). I, II. Formerly 461. Prerequisite: H. E. Ed. 431x; at least 102 grade points exclusive of physical education. Supervised observation and teaching in the Lubbock and Slaton high schools.

The following advanced undergraduate courses may be used as minors or electives for a master's degree, if properly petitioned for in advance, provided an additional special problem is done in each course: H. E. Ed. 421x, 431x, 432x, 433x, 441x.

## DEPARTMENT OF HOME MANAGEMENT

PROFESSOR WEEKS. ASSOCIATE PROFESSOR TWYFORD.

The Department of Home Management aims to give students an appreciation of the value of good management in the various phases of home life, as well as to provide means of developing skill in home making activities. The courses are open to students in the College who have completed the prerequisite. Residence in the Home Management House gives opportunity for securing experience in the managerial and social problems of home making.

**322x. Home Nursing.** Cr. 2 (1-3). II. Formerly H. E. 322. Prerequisite: Six hours in Zoology or Chemistry. Methods of caring for the sick in the home with emphasis on positive health. Demonstrations in charge of a registered nurse at a local hospital.

**331x. Household Management.** Cr. 3 (2-3). I. Formerly H. E. 322. Prerequisite: Twelve hours in Home Economics. Household accounts and budgets; efficient plumbing, heating, ventilation and lighting systems for the home;

the selection, operation and care of household equipment; and the organization of work in the home in order to save time, labor, and money.

**421x. Child Development.** Cr. 2 (1-3). I. Formerly H. E. 333. Prerequisite: Psy. 230x or Psy. 231x. Factors in the physical, social, and emotional development of children; emphasis on the environmental factors of the home affecting the child's development. Opportunity for observation in the nursery school during the summer session only.

**422x. Family Relations.** Cr. 2. II Formerly H. E. 431. Prerequisite: Senior standing. Factors in American family life; emphasis on present day problems relating to the home.

**431x. Practicum in Nursery School.** Cr. 3 (1-6). S. Formerly H. E. 334. Prerequisite: H. Mgt. 421x. Observation and participation in the nursery school.

**432x. Residence in Home Management House.** Cr. 3. I, II. Formerly Gen. H. E. 461 or 321x. Prerequisite: H. Mgt. 331x; 12 hours in Foods and Nutrition. Living in Home Management House for nine weeks under supervision. Foods preparation and service, housekeeping, household finance, hospitality, and group relationship studied and put into practice. Students pay a fixed sum for room and board. If this course is scheduled in summer school, the credit is two semester hours.

The following advanced undergraduate courses may be used as minors or electives for a master's degree, if properly petitioned for in advance, provided an additional special problem is done in each course: H. Mgt. 431x, 432x.

## HOME ECONOMICS ORIENTATION

**111x. Orientation for Home Economics Students.** Cr. 1. I. The basic course for all future courses in the Division of Home Economics. The units offered include: (a) the relationship of the student with her college; (b) the development of right habits of study; (c) student budgets of time and money; (d) simple vocational guidance. Required of all freshman Home Economics students.

## DIVISION OF ARTS AND SCIENCES

JAMES M. GORDON, DEAN.

WILLIAM BRYAN GATES, ASSISTANT DEAN.

The Division of Arts and Sciences has two important functions in Texas Technological College.

First, it offers degree courses in Biology, Business Administration, Chemistry, Economics, Education and Psychology, English, Foreign Languages, Geology, Government, History, Journalism, Mathematics, Military Science, Music, Philosophy, Physical Education, Physics, Sociology, and Speech.

Second, the Division of Arts and Sciences serves as a subject matter division for all divisions of the institution. No matter what curriculum a student may select, whether it be in Agriculture, Engineering, Home Economics, Business Administration, a science, or in any other major, he takes some of the fundamental subjects such as English, Mathematics, History, Economics, Physics, Foreign Languages, Speech, and Journalism as foundation courses.

### UNDERGRADUATE DEGREES

In the Division of Arts and Sciences work is offered leading to four undergraduate degrees: Bachelor of Arts, Bachelor of Science, Bachelor of Business Administration, and Bachelor of Science in Education.

### MASTER'S DEGREES

In addition to work offered for undergraduate degrees, the Division of Arts and Sciences gives graduate work in certain departments leading to the degrees: Master of Arts, Master of Science, and Master of Science in Education. Discussion of graduate work, including admission, divisions and departments offering graduate work, and graduate degrees given, will be found in this catalogue under the subject of **Graduate Study**.

### ADMISSION

The work in the freshman year is planned to follow graduation from a regularly accredited four-year high school with a minimum of fifteen affiliated units. For details of admission requirements see the general discussion in this catalogue under the subject of **Entrance**.

### REQUIREMENTS FOR GRADUATION

The completion of the work for a degree usually requires four years. During the first two years the student is expected to complete the minimum requirements for the specific degree. Only for exceptional reasons, and then with the approval of his Dean, may a student postpone the freshman and sophomore requirements beyond his sophomore year. The work of the junior and senior years varies according to the degree sought and is discussed under the curriculum requirements set up for each degree.

## THE BACHELOR OF ARTS DEGREE

The Bachelor of Arts degree is planned for persons who are interested in a general college course, and aims to provide the fundamentals of a liberal education. It proposes to furnish general experiences in the humanities, the physical and biological sciences, and the social sciences, and has for its objective liberal culture while maintaining a high standard of scholarship. It aims also to give a foundation for professional and technical subjects and for graduate study and research.

For the Bachelor of Arts degree 128 semester hours are required, including physical education or military science, together with a minimum of 124 grade points exclusive of physical education or military science courses.

The minimum residence requirements for graduation are two semesters and thirty semester hours credit. If only one year is spent in residence it should be the last year. Further information relative to credits allowed for courses taken in other colleges may be found under **Entrance**.

## CURRICULA FOR THE DEGREE BACHELOR OF ARTS

## UNIFORM FRESHMAN AND SOPHOMORE YEARS

To be used except for Pre-law and Pre-Medical students

Semester Hours  
Sem. I Sem. II

## Freshman Year

Eng. 131x-2x. Freshman Composition .....	3	3
A foreign language .....	3	3
A natural science .....	3	3
Hist. 131x-2x. History of Civilization or		
Govt. 131x-2x. American Government, National and State .....	3	3
*Math. 130x. Algebra .....	3	
*Math. 131x. Trigonometry .....		3
Orient. 111x. Orientation .....	1	
Physical Education or Military Science .....	1	1
	17	16

## Sophomore Year

Eng. 231x-2x. Introduction to Literature .....	3	3
**The foreign language begun in the freshman year .....	3	3
Govt. 131x-2x. American Government, National and State or		
Hist. 131x-2x. History of Civilization .....	3	3
***A natural science .....	3	3
Phil. 233x. Introduction to Philosophy or Psy. 230x. Introduc- tion to Psychology .....	3	
Elective .....		3
Physical Education or Military Science .....	1	1
	16	16

\*If three and a half units of mathematics are accepted for admission, including algebra, plane geometry, and plane trigonometry, no further courses in mathematics are required. If three units are accepted, Math. 130x or 131x, or 137x-8x are required; if only two units are accepted, Math. 130x and 131x, or 137x-8x are required in college.

\*\*If three or more units in a foreign language are accepted for admission, one year in college of the same language (a 300 course or above) will absolve the foreign language requirement. If no admission units in foreign language are accepted, three years or eighteen semester hours in college are required for graduation.

\*\*\*If two or more units of laboratory science are accepted for admission, one year of a laboratory science in college will absolve the natural science requirement. If two years are required in college, they cannot both be offered in the same subject.

## THE JUNIOR AND SENIOR YEARS

The student will be expected to select a major and a minor subject by the time he reaches his junior year. For his major subject he will be required to complete twenty-four semester hours in addition to the minimum degree requirements in that subject. Of these twenty-four hours, eighteen hours must be courses of junior and senior rank. For his minor, he will complete a minimum of eighteen semester hours, at least six of which must be advanced.

In the case of a subject offered as a major in which no specific courses are included in the uniform requirements for a degree, a minimum of thirty semester hours must be completed in the major subject. In counting the number of hours for major subjects, no part of a continuous course will be counted until the entire course has been completed. At the option of the department head, no grade lower than C may be counted in the number of semester hours required in the major. The courses in the major subject must be approved by the head of that department.

Not more than forty-two semester hours in one subject may be counted in the requirements for the Bachelor of Arts degree; not more than twelve hours in Biblical History and Literature may be counted, nor more than eight hours in Music, except for those offering public school music as a major or minor. (See **Department of Music**.) A maximum of twenty-four semester hours may be offered for the Bachelor of Arts degree as electives in the technical or professional subjects of Agriculture, Business Administration, Education, Engineering, and Home Economics.

## COURSES LEADING TO THE STUDY OF LAW OR MEDICINE

Texas Technological College does not have schools of law or medicine, but it offers courses preparatory to admission to schools of law and medicine.

## STUDIES PREPARATORY TO LAW

The minimum requirements for admission to any standard law school are fifteen entrance units, as prescribed by the Division of Arts and Sciences, and two full years (sixty semester hours) of college work.

The following curriculum is recommended for students who contemplate the study of law:

## CURRICULUM FOR PRE-LAW STUDENTS

	Semester Hours	
	Sem. I	Sem. II
<b>Freshman Year</b>		
Eng. 131x-2x. Freshman Composition .....	3	3
Hist. 133x-4x. History of British Civilization .....	3	3
Govt. 131x. American Government, National .....	3	.....
Govt. 132x. American Government, State .....	.....	3
Math. 130x. Algebra .....	3	.....
Math. 131x. Trigonometry .....	.....	3
Math. 137x. Commercial Algebra .....	.....	.....
Math. 138x. Mathematics of Finance .....	.....	.....
A natural science .....	3	3
Orient. 111x. Orientation .....	1	.....
Physical Education or Military Science .....	1	1
	17	16
<b>Sophomore Year</b>		
Eng. 231x-2x. Introduction to Literature .....	3	3
Hist. 231x-2x. History of the United States .....	3	3
Govt. 231x. Introduction to Political Science .....	3	3
Govt. 232x. Modern Governments .....	.....	3
Eco. 231x-2x. Principles of Economics .....	3	3
B. A. 234x-5x. Introduction to Accounting .....	3	3
Physical Education or Military Science .....	1	1
	16	16



## JUNIOR YEAR

If the student desires to take a third year of work preparatory to the study of law, which is advisable, the work should be selected mainly from the social science group, and should include Psychology or Philosophy.

## BACHELOR OF ARTS DEGREE FOR PRE-LAW STUDENTS

Pre-law students may obtain the Bachelor of Arts degree from Texas Technological College upon the completion of three years of work in the Division of Arts and Sciences of this College and three years of work in a standard law school.

The three years' work in Texas Technological College must satisfy all graduation requirements for the Bachelor of Arts degree with the exception of the major subject.

Dr. W. A. Jackson, Head of the Department of Government, is the adviser for pre-law students.

## STUDIES PREPARATORY TO MEDICINE

The minimum requirements for admission to any standard medical school are fifteen entrance units, as prescribed by the Division of Arts and Sciences, and a minimum of two full years of selected college work. The following course of study is set up for students who plan to study medicine:

## CURRICULUM FOR PRE-MEDICAL STUDENTS

	Semester Hours	
	Sem. I	Sem. II
<b>Freshman Year</b>		
Chem. 131x-2x. General Chemistry .....	3	3
Chem. 220x. Qualitative Analysis .....		2
Zool. 131x-2x. General Zoology .....	3	3
Eng. 131x-2x. Freshman Composition .....	3	3
German 131x-2x. A Beginning Course in German .....	3	3
or		
French 131x-2x. A Beginning Course in French		
Govt. 131x. American Government, National .....	3	
and		
Govt. 132x. American Government, State .....		3
or		
Hist. 131x-2x. History of Civilization .....		
Orient. 111x. Orientation .....	1	
Physical Education or Military Science .....	1	1
	17	18
<b>Sophomore Year</b>		
Chem. 343x-4x. Organic Chemistry .....	4	4
Zool. 231x-2x. Vertebrate Anatomy .....	3	3
Phys. 131x-2x. Elements of College Physics .....	3	3
Phys. 211x-2x. Physical Measurements .....	1	1
Eng. 231x-2x. Introduction to Literature .....	3	3
The foreign language begun in the freshman year .....	3	3
Physical Education or Military Science .....	1	1
	18	18

NOTE: Students who definitely plan to spend three or more years in their pre-medical training may well postpone Chemistry 220x until a later year.

The courses outlined for the freshman and sophomore years fulfill the minimum requirements for admission to the majority of class A medical colleges. The satisfactory completion of this work does not guarantee admission to such medical colleges, however, and students are finding it more and more difficult to obtain admission with only the minimum requirements fulfilled. A third or a fourth year's work or a bachelor's degree are often desirable, if not required.

## THE DEGREE BACHELOR OF ARTS FOR PRE-MEDICAL STUDENTS

The degree Bachelor of Arts for Pre-medical students may be obtained in one of two ways:

A. While in residence at Texas Technological College by completing the requirements outlined in this catalogue. Pre-medical students will probably select Chemistry or Zoology as their major subject and their junior and senior years are outlined accordingly. Pre-medical students are advised to take as many courses in these departments as possible.

**Junior Year.** Chem. 331x-2x and Zool. 331x-2x should be taken in this year with at least one other course in the major science. Required courses in other departments and electives will complete this year's work.

**Senior Year.** A sufficient number of courses in the major department to complete the major requirement and all other required courses in other departments, not previously taken, should be taken together with sufficient electives to bring the total to 128 semester hours credit.

**Chemistry Major.** In addition to the courses outlined above those students who complete their major requirement in the Department of Chemistry should take Chem. 242x, 434x, 411x-2x, 430x, and Bact. 331x-2x. Chem. 441x-2x may be substituted for an equivalent amount of any of the above courses except Chem. 411x-2x by those students who have completed the mathematics requirement.

**Zoology Major.** In addition to the courses outlined above under their respective years students who complete their major requirement in Zoology should take Biol. 231x, Biol. 411x-2x, Bact. 331x-2x, and Zool. 431x-2x.

B. By completing three years of work in the Division of Arts and Sciences and two years in a class A college, upon satisfying the following conditions:

1. Of the three years of pre-medical work at least the junior year must be completed in residence at Texas Technological College. This minimum will apply to transfers from other colleges provided they have satisfactorily completed the work outlined in the freshman and sophomore years or its equivalent.
2. The satisfactory completion of all required courses through the junior year and sufficient elective courses to make a minimum total of 100 semester hours credit.
3. A minimum of 2 semester hours of Government.
4. Submission of properly approved credentials from a class A medical college to the effect that the applicant has completed satisfactorily the first two years of the work leading to the degree of Doctor of Medicine.
5. Two years of physical education or military science.
6. The regular grade point requirement.

Dr. R. C. Goodwin, Head of the Department of Chemistry and Chemical Engineering, is the adviser for pre-medical students. Each pre-medical student should consult with him during each registration period.

NOTE: The medical aptitude tests, sponsored by the Association of American Medical Colleges, may be taken at Texas Technological College.

## CURRICULUM FOR THE DEGREE BACHELOR OF ARTS

## Journalism Major

Semester Hours  
Sem. I Sem. II

## Freshman Year

Eng. 131x-2x. Freshman Composition .....	3	3
Hist. 131x-2x. History of Civilization .....	3	3
or		
Govt. 131x-2x. American Government, National and State .....	3	3
Math. 130x. Algebra .....	3	
Math. 131x. Trigonometry .....		3
A natural science .....	3	3
A foreign language .....	3	3
Elementary Typewriting 211x (Recommended) .....		1
Orient. 111x. Orientation .....	1	
Physical Education or Military Science .....	1	1
	17	17

## Sophomore Year

Eng. 231x-2x. Introduction to Literature .....	3	3
Govt. 131x-2x. American Government, National and State .....	3	3
or		
Hist. 131x-2x. History of Civilization .....	3	3
Journalism 231x. Newspaper Reporting and Writing .....	3	
Journalism 232x. Copyreading and Headline Writing .....		3
A natural science .....	3	3
A foreign language .....	3	3
Physical Education or Military Science .....	1	1
	16	16

## Junior Year

Journalism 335x. History of American Journalism .....		3
Journalism electives .....	6	3
Eco. 231x-2x. Principles of Economics .....	3	3
Eng. elective (to be approved) .....	3	3
Phil. 233x. Introduction to Philosophy or Psy. 230x. Introduction to Psychology .....		3
Electives (to be approved) .....	6	
	18	15

## Senior Year

Journalism 434x. Editorial Writing or Journalism 333x. Problems of the Community Newspaper .....	3	
Journalism electives .....	3	6
Electives (to be approved) .....	9	9
	15	15

Wherever a student's high school record permits an option (See page 130) he may take Govt. 131x-2x the freshman year, and Eco. 231x-2x the sophomore year.

## THE BACHELOR OF SCIENCE DEGREE

Certain students are definitely interested in the sciences. For such students the curriculum leading to the degree of Bachelor of Science has been arranged. In order to give time for a better understanding upon which to base the choice of a major, a uniform curriculum for the freshman year is outlined for all freshman candidates for the Bachelor of Science degree. If possible, the student should choose as his major science one of the required sciences of his freshman year.

### CURRICULA FOR THE DEGREE BACHELOR OF SCIENCE

#### Uniform Freshman Year

Two courses to be chosen from the following:

Biology (Bot. 131x-2x; Zool. 131x-2x); Chem. 131x-2x; Geol. 131x-2x; Phys. 131x-2x or 133x-4x .....	6	6
Eng. 131x-2x. Freshman Composition .....	3	3
A modern language .....	3	3
Math. 130x. Algebra .....	3	
Math. 131x. Trigonometry .....		3
Orient. 111x. Orientation .....	1	
Physical Education or Military Science .....	1	1
	17	16

The sophomore, junior, and senior years follow definite majors which depend upon the departmental requirements and are outlined separately by the several departments.

The general requirements for the degree, as they relate to any of the laboratory sciences, are as follows:

	Semester	Hours
1. English .....		12
2. A modern language .....		12
3. Mathematics .....		6
4. Economics or Business Administration .....		6
5. Government .....		2
6. Orientation .....		1
7. Physical Education or Military Science .....		4

8. Additional courses to make a total of 130 semester hours as a minimum, of which at least 72 semester hours are to be completed in the Departments of Biology, Chemistry, Geology, and Physics—at least six semester hours in each department. Students with their major in Chemistry or Physics, however, may substitute six semester hours of mathematics for six semester hours of a science elective.

9. The major and minor requirements may be met in either of two ways: (1) At least 36 semester hours in any one of the above named sciences shall constitute a major and no specific minor will be required. The proper sequence, gradation, and number of courses will be left to the department in which the major is taken. (2) At least 24 semester hours above the freshman course may be taken in any one department for a major. In this case a minor consisting of a minimum of 12 semester hours above the freshman course must be taken in a second science department.

In either event all electives in any curriculum are to be approved by the head of the department in which the student seeks his degree.

**CURRICULUM FOR THE DEGREE BACHELOR OF SCIENCE  
BOTANY MAJOR**

Semester Hours  
Sem. I    Sem. II

**For Uniform Freshman Year See Page 135**

**Sophomore Year**

*Bot. 231x. Morphology of Higher Plants .....	3	.....
*Bot. 232x. Taxonomy of Higher Plants .....	.....	3
Science—courses in the two science departments not represented in the freshman year .....	6	6
Eng. 231x-2x. Introduction to Literature .....	3	3
A modern language—a second course in the modern language begun in the freshman year .....	3	3
Physical Education or Military Science .....	1	1
	<hr/> 16	<hr/> 16

**Junior Year**

Bot.331x. Plant Physiology .....	3	.....
Bot.332x. Morphology of Lower Plants .....	.....	3
Zool. 131x-2x. General Zoology or Zool. 235x-6x. The Human Body .....	3	3
Chem. 343x-4x. Organic Chemistry .....	4	4
Economics or Business Administration elective .....	3	3
Electives (To be approved by Head of Department) .....	3	3
	<hr/> 16	<hr/> 16

**Senior Year**

Bot.431x. Botanical Technique .....	3	.....
Bot. 432x. Advanced Plant Anatomy .....	.....	3
Bact. 331x-2x. General Bacteriology .....	3	3
Biol. 411x-2x. Biology Seminar .....	1	1
Govt. 320x. American Government, National and State .....	2	.....
Science elective (To be approved by Head of Department) .....	3	6
Electives (To be approved by Head of Department) .....	4	4
	<hr/> 16	<hr/> 17

\*If botany was not begun in the freshman year, the student will substitute Bot. 131x-2x and register for additional work in Botany during his junior year.

**CURRICULUM FOR THE DEGREE BACHELOR OF SCIENCE  
ZOOLOGY MAJOR**

Semester Hours  
Sem. I    Sem. II

For Uniform Freshman Year See Page 135

**Sophomore Year**

*Zool. 231x-2x. Vertebrate Anatomy .....	3	3
Science—courses in the two science departments not represented in the freshman year .....	6	6
Eng. 231x-2x. Introduction to Literature .....	3	3
A modern language—a second course in the modern language begun in the freshman year .....	3	3
Physical Education or Military Science .....	1	1
	<b>16</b>	<b>16</b>

**Junior Year**

Zool. 331x-2x. Animal Histology and Embryology .....	3	3
Bot. 131x-2x. General Botany .....	3	3
Chem. 343x-4x. Organic Chemistry .....	4	4
Economics or Business Administration elective .....	3	3
Electives (To be approved by Head of Department) .....	3	3
	<b>16</b>	<b>16</b>

**Senior Year**

Zool. 431x-2x. Animal Cytology .....	3	3
Bact. 331x-2x. General Bacteriology .....	3	3
Biol. 411x-2x. Biology Seminar .....	1	1
Govt. 320x. American Government, National and State .....	2	.....
Science electives (To be approved by Head of Department) .....	3	6
Electives (To be approved by Head of Department) .....	4	4
	<b>16</b>	<b>17</b>

\*If Zoology was not begun in the freshman year, the student will substitute Zool. 131x-2x and register for additional work in Zoology during his junior year.

**CURRICULUM FOR THE DEGREE BACHELOR OF SCIENCE  
CHEMISTRY MAJOR**

Semester Hours  
Sem. I   Sem. II

For Uniform Freshman Year See Page 135

**Sophomore Year**

Two Science courses, one in each of the two science departments not represented in the freshman year .....	6	6
*Chem. 220x. Qualitative Analysis .....	2	.....
Chem. 242x. Inorganic Chemistry .....	.....	4
Math. 235x-6x. Analytic Geometry .....	3	3
Eng 231x-2x. Introduction to Literature or		
A modern language .....	3	3
Physical Education or Military Science .....	1	1
	15	17

**Junior Year**

Chem. 331x-2x. Analytical Chemistry .....	3	3
Chem. 343x-4x. Organic Chemistry .....	4	4
Math. 335x-6x. Differential and Integral Calculus .....	3	3
A modern language or		
Eng. 231x-2x. Introduction to Literature .....	3	3
A second course in Physics .....	3	3
	16	16

**Senior Year**

Chem. 441x-2x. Physical Chemistry .....	4	4
Chem. 411x-2x. Seminar .....	1	1
Economics or Business Administration elective .....	3	3
Govt. 320x. American Government, National and State .....	.....	2
Science electives .....	6	3
Electives .....	3	3
	18	16

\*If Chem. 131x-2x was not taken in the freshman year, it should be taken in the sophomore year. The sequence of courses in Chemistry will then be different.



# CURRICULUM FOR THE DEGREE BACHELOR OF SCIENCE

## GEOLOGY MAJOR

Semester Hours  
Sem. I Sem. II

For Uniform Freshman Year See Page 135

### Sophomore Year

*Geol. 231x-2x. Mineralogy .....	3	3
Two science courses—one in each of the two science departments not represented in the freshman year .....	6	6
Eng. 231x-2x. Introduction to Literature .....	3	3
A foreign language .....	3	3
Physical Education or Military Science .....	1	1
	16	16
**Geol. 363x. Field Geology (Summer) .....	6	

### Junior Year

Geol. 333x. Petrology: Optical Mineralogy .....	3	
Geol. 334x. Petrology: Descriptive .....		3
Geol. 335x-6x. General Paleontology .....	3	3
Science elective .....	3	3
Eco. 231x-2x. Principles of Economics .....	3	3
Govt. 320x. American Government, National and State .....	2	
Elective .....	3	3
	17	15

### Senior Year

Geol. 422x. Geology of Texas .....	2	
Geol. 423x. Seminar .....		2
Geol. 431x-2x. Advanced General Geology .....	3	3
Geol. 433x. Structural Geology .....	3	
Geol. 434x. Petroleum Geology .....		3
Geol. 435x. Index Fossils .....	3	
Geol. 436x. Micropaleontology .....		3
Electives .....	3	3
***Science elective .....	3	
	17	14

\*If Geology was not begun in the freshman year, the student will substitute Geol. 131x-2x and register for additional work in Geology during his junior year.

\*\*May be taken any summer after the proper prerequisites have been met. May be used as a junior or senior elective.

\*\*\*Either semester.

# CURRICULUM FOR THE DEGREE BACHELOR OF SCIENCE PHYSICS MAJOR

Semester Hours  
Sem. I Sem. II

For Uniform Freshman Year See Page 135

## Sophomore Year

*Phys. 231x-2x. Sophomore Physics .....	3	3
Two science courses—one in each of the two science departments not represented in the freshman year .....	6	6
Math. 235x-6x. Analytic Geometry .....	3	3
The foreign language begun in the freshman year .....	3	3
Physical Education or Military Science .....	1	1
	16	16

## Junior Year

Phys. 331x. Light .....	3	.....
Phys. 332x. Heat .....	3	3
Phys. 333x-4x. Electricity and Magnetism .....	3	3
Math. 335x-6x. Differential and Integral Calculus .....	3	3
C. E. 233x. Applied Mechanics—Statics .....	3	3
Eng. 231x-2x. Introduction to Literature .....	3	3
Elective .....	3	3
	15	18

## Senior Year

Phys. 423x-4x. Electrical Measurements .....	2	2
Phys. 435x-6x. Introduction to Modern Physics .....	3	3
Phys. 513x-4x. Physics Seminar .....	1	1
C. E. 332x. Kinematics and Kinetics .....	3	.....
Science elective .....	3	3
Govt. 320x. American Government, National and State .....	.....	2
Economics elective .....	.....	3
Elective .....	4	3
	16	17

\*In case the student has not taken Physics during his freshman year, he should begin his sophomore year with freshman Physics. The sequence of courses in Physics would then be different.

**CURRICULUM FOR THE DEGREE BACHELOR OF SCIENCE  
MATHEMATICS MAJOR**

Semester Hours  
Sem. I Sem. II

**For Uniform Freshman Year See Page 135**

**Sophomore Year**

Math. 235x-6x. Analytic Geometry .....	3	3
Eng. 231x-2x. Introduction to Literature .....	3	3
The foreign language begun in the freshman year .....	3	3
*Physics .....	3	3
A second science .....	3	3
Physical Education or Military Science .....	1	1
	<b>16</b>	<b>16</b>

**Junior Year**

Math. 335x-6x. Differential and Integral Calculus .....	3	3
Math. 333x-4x. Advanced Algebra .....	3	3
Phil. 232x. Logic .....	3	
C. E. 331x. Applied Mechanics—Statics .....		3
Math. 123x. Popular Astronomy .....	2	
Govt. 320x. American Government, National and State .....		2
Science elective		
or		
C. E. 231x. Plane Surveying .....	3	
and		
C. E. 334x. Surveying .....		3
Electives (To be approved) .....	3	3
	<b>17</b>	<b>17</b>

**Senior Year**

Math. 431x. Advanced Calculus .....	3	
Math. 432x. Differential Equations .....		3
Math. 433x. Theory of Equations .....	3	
Math. 438x. Solid Analytical Geometry .....		3
C. E. 332x. Applied Mechanics, Kinematics and Kinetics .....	3	
Science elective .....		3
Electives (To be approved) .....	7	6
	<b>16</b>	<b>15</b>

\*If Physics was not begun in the freshman year, the student will be required to complete two years of Physics. The sequence of courses will then be different.

# **CURRICULUM FOR THE DEGREE BACHELOR OF BUSINESS ADMINISTRATION**

Semester Hours  
Sem. I Sem. II

## **Freshman Year**

Eng. 131x-2x. Freshman Composition .....	3	3
Hist. 133x-4x. History of British Civilization .....	3	3
Math. 137x. Commercial Algebra .....	3	.....
Math. 138x. Mathematics of Finance .....	.....	3
Govt. 131x. American Government, National .....	3	.....
Govt. 132x. American Government, State .....	.....	3
A natural science .....	3	3
Orient. 111x. Orientation .....	1	.....
Physical Education or Military Science .....	1	1
	17	16

## **Sophomore Year**

Eng. 231x-2x. Introduction to Literature.....	3	3
Math. 237x. Mathematics of Insurance .....	3	.....
Math. 238x. Statistics .....	.....	3
Eco. 231x-2x. Principles of Economics .....	3	3
Eco. 233x. Economic Development of Europe .....	3	.....
Eco. 234x. Economic Development of the United States .....	.....	3
B. A. 211x. Elementary Typewriting .....	1	.....
B. A. 234x-5x. Introduction to Accounting .....	3	3
Physical Education or Military Science .....	1	1
	17	16

## **Junior Year**

B. A. 330x. Introduction to Finance .....	3	.....
B. A. 331x. Corporation Finance .....	.....	3
B. A. 332x. Principles of Marketing .....	3	.....
B. A. 333x. Marketing Problems .....	.....	3
B. A. 334x-5x. Business Law .....	3	3
Psy. 230x. Introduction to Psychology .....	3	.....
Eng. 3311x. English in Business Practice .....	.....	3
Speech 321x. Business Speech .....	2	.....
Electives (To be approved) .....	3	3
	17	15

## **Senior Year**

B. A. 435x. Business Policy .....	.....	3
Economics and Business Administration Electives .....	6	3
General Electives (To be approved) .....	9	9
	15	15

## THE DEGREE BACHELOR OF SCIENCE IN EDUCATION

The degree Bachelor of Science in Education is set up specifically for teachers in order to give definite professional training in their field of work.

The work of the freshman year is largely prescribed.

In the sophomore year the student may choose the particular field of education in which he desires to work. Choice must also be made of the subject-matter field in which he desires to prepare for teaching. The student must also elect a second subject which he may use as a subject-matter minor in his classroom teaching.

During the junior and senior years the student is expected to continue in the field of education, as well as in the subject-matter major and minor fields. The prescribed subjects together with electives total 130 semester hours, with a minimum of 140 grade points.

### TEACHING MAJOR AND MINOR REQUIREMENTS

#### Social Science (History, Government, Economics, Sociology)

Major: 18 hours in one subject; at least 12 advanced; 6 hours each in two other subjects—total, 30.

Minor: 12 hours in one subject, at least 6 advanced; 6 hours in each of two other subjects—total, 24.

#### General Science

Major: 18 hours in one science, at least 12 above the basic course; 6 hours each in two other sciences—total, 30.

Minor: 12 hours in one science, at least 6 above the basic course; 6 hours each in two other sciences—total, 24.

#### Foreign Languages

Major: 18 hours in one subject, at least 12 above the basic course; 12 hours in one other subject—total, 30.

Minor: 12 hours in each of two subjects—total, 24.

#### Primary Education

Major: 15 hours in materials, methods, and subject-matter employed in the primary grades. (This in addition to the 30 hours of Education required for this degree)

Minor: 9 hours, 6 of which must be advanced.

#### Physical Education

Major: 24 hours, at least 9 advanced.

Minor: 18 hours, at least 6 advanced.

#### Band

Major: 30 hours (6 of the 30 hours will be in conducting and teaching methods for band.)

Minor: 18 hours (12 hours in band music; 2 hours in conducting and teaching methods; 4 hours in theory)

#### Chorus

Major: 30 hours (student must offer 4 credits in Solfeggio, 4 in ensemble, 4 in Liturgical Music, 12 in Public School Music, or Music Education, and 6 in Applied Music.)

Minor: 18 hours (student must offer 4 credits in Solfeggio, 6 in Public School Music, or Music Education, and 6 in Applied Music.)

Teaching majors and minors in subject-matter fields will be offered in other subjects in the Division of Arts and Sciences, such as English, History, Mathematics, Speech, and others, as desired by the student. In general, a

teaching major requires 24 semester hours, 12 of which must be above sophomore rank, whereas a teaching minor requires a minimum of 18 semester hours, 6 of which must be advanced.

NOTE: The courses taken by candidates for the degree Bachelor of Science in Education are to be approved as follows:

1. Teaching major subjects to be approved by head of the department.
2. Social science, general science, and foreign languages to be approved by the head of the department in which the major portion of the work is done.
3. All majors and minors to be approved by the Head of the Department of Education, and by the Dean of the Division of Arts and Sciences.

### CURRICULUM FOR THE DEGREE BACHELOR OF SCIENCE IN EDUCATION

	Semester Hours	
	Sem. I	Sem. II
<b>Freshman Year</b>		
Ed. 131x. Introduction to Education .....	3	.....
Ed. 132x. Classroom Management and Methods .....	.....	3
Eng. 131x-2x. Freshman Composition .....	3	3
A natural science or mathematics .....	3	3
*Govt. 131x. American Government, National .....	3	.....
and		
*Govt. 132x. American Government, State .....	.....	3
or		
History 131x-2x. History of Civilization .....		
or		
Speech 131x-2x. Fundamentals of Speech .....		
Subject-matter major .....	3	3
Orient. 111x. Orientation .....	1	.....
Physical Education or Military Science .....	1	1
	17	16
<b>Sophomore Year</b>		
**Education .....	3	3
Eng. 231x-2x. Introduction to Literature .....	3	3
Zool. 235x-6x. The Human Body .....	3	3
Subject-matter major .....	3	3
Subject-matter minor .....	3	3
Physical Education or Military Science .....	1	1
	16	16
<b>Junior and Senior Years</b>		
Psy. 230x. Introduction to Psychology .....	3	.....
Sociology .....	3	.....
Physical Education .....	6	.....
Subject-matter major .....	12	.....
Subject-matter minor .....	12	.....
**Education .....	18	.....
Electives .....	11	.....
	65	

\*If Government is not offered as a social science, a minimum of Govt. 320x must be taken, but may not be taken earlier than the spring semester of the sophomore year.

\*\*In the courses in Education there must be included at least two courses in tests and measurements, and at least one course each in practice teaching, history of education in the United States, educational psychology, and methods of teaching.

# CURRICULUM FOR THE DEGREE BACHELOR OF SCIENCE IN EDUCATION

## Public School Music Major

Semester Hours  
Sem. I Sem. II

### Freshman Year

Music 121x-2x. Solfeggio .....	2	2
Applied Music, elective .....	1	1
Music 123x-4x. Harmony .....	2	2
Eng. 131x-2x. Freshman Composition .....	3	3
French 131x-2x. A Beginning Course in French .....	3	3
or		
German 131x-2x. A Beginning Course in German		
Education 131x-2x. Introduction to Education; Classroom Man- agement and Methods .....	3	3
Geology 133x. Principles of Geology .....	3	
Physics 137x. Physical Basis of Speech and Music .....		3
Orient. 111x. Orientation .....	1	
Physical Education or Military Science .....	1	1
	19	18

### Sophomore Year

Music 221x-2x. Solfeggio .....	2	2
Applied Music, elective .....	1	1
Music 223x-4x. Harmony .....	2	2
Music 237x-8x. History and Appreciation .....	3	3
English 231x-2x. Introduction to Literature .....	3	3
French 231x-2x. A Reading Course in French .....	3	3
or		
German 231x-2x. A Reading Course in German		
Zoology 235x-6x .....	3	3
Physical Education or Military Science .....	1	1
	18	18

### Junior Year

Music 337x-8x. Music Education .....	3	3
Music ensemble .....	1	1
Music 327x-8x. Counterpoint .....	2	2
Applied Music, junior elective .....	1	1
A second modern language or Education elective .....	3	3
Govt. 320x. American Government, National and State .....	2	
Phil. 233x. Introduction to Philosophy, or Psy. 230x. Introduc- tion to Psychology .....		3
Speech 432x-3x. Phonetics and Speech Correction .....	3	3
Education elective .....	3	
	18	16

### Senior Year

Music 421x-2x. Instrumentation .....	2	2
Music 437x-8x. Conducting and Methods .....	3	3
Applied Music, senior elective .....	1	1
Education elective .....	3	3
Approved electives .....	3	3
	15	15



# CURRICULUM FOR THE DEGREE BACHELOR OF SCIENCE IN EDUCATION

## Band Music Major

Semester Hours  
Sem. I Sem. II

### Freshman Year

Band 131x-2x .....	3	3
Ed. 131x. Introduction to Education .....	3	.....
Ed. 132x. Classroom Management and Methods .....	.....	3
Eng. 131x-2x. Freshman Composition .....	3	3
A natural science .....	3	3
Govt. 131x. American Government, National .....	3	.....
and		
Govt. 132x. American Government, State .....		3
or		
History 131x-2x. History of Civilization		
or		
Speech 131x-2x. Fundamentals of Speech .....		
Orient. 111x. Orientation .....	1	.....
Physical Education or Military Science .....	1	1
	17	16

### Sophomore Year

Band 231x-2x .....	3	3
Education .....	3	3
Eng. 231x-2x. Introduction to Literature .....	3	3
Zool. 235x-6x. The Human Body .....	3	3
Subject matter minor .....	3	3
A two-hour music course (theory) .....	2	2
Physical Education or Military Science .....	1	1
	18	18

### Junior Year

Band 331x-2x .....	3	3
A two hour music course (theory) .....	2	2
Music 321x. Band Conducting and Teaching Methods .....	2	.....
Subject matter minor .....	3	3
Psychology .....	3	.....
Sociology .....	.....	3
Physical education .....	3	3
Education .....	3	3
	19	17

### Senior Year

Band 431x-2x .....	3	3
A two-hour music course (theory) .....	2	2
Music 421x-2x. Band Conducting and Methods .....	2	2
Subject matter minor .....	3	3
Education .....	6	6
	16	16

## DEPARTMENT OF BIOLOGY

PROFESSORS STUDHALTER, REED. ASSOCIATE PROFESSORS  
LANDWER, LEAGUE. INSTRUCTORS DOUGLASS, SEALEY.

The Biology Department offers courses for the following groups of students: (1) those working toward the Bachelor of Science or the Bachelor of Arts degree; (2) pre-medical, pre-dental, and pre-pharmacy students; (3) those from other divisions or departments wishing biology courses as a background; (4) prospective teachers of Biology in the high school; or health and hygiene in the grades.

Students desiring the Bachelor of Science degree with a major in Botany or Zoology follow the curriculum outlined for the course. These courses of study supplement the general requirements and the uniform freshman year for the Bachelor of Science degrees, described elsewhere in this catalogue.

## BACTERIOLOGY

**231x. Bacteriology.** Cr. 3 (2-3). I, II. Formerly 231 or 232-3. Intended primarily for students of Agriculture and of Home Economics, in their sophomore or junior year. The morphology and physiology of bacteria, with special emphasis on the bacteria and molds of food products.

**321x. Bacteriology for Engineers.** Cr. 2 (1-3). I. Formerly 334. The morphology and physiology of bacteria, with special emphasis on water purification and sewage disposal.

**331x-2x. General Bacteriology.** Cr. 3 (2-3). I and II. Formerly 331-2-3. Prerequisite: Twelve semester hours in Botany, Zoology, Chemistry, Geology, or Physics; prerequisite or parallel: six semester hours in Chemistry. The structure and functions of the various types of bacteria; water purifications; sewage disposal; some of the disease-producing organisms; the problems of immunity.

## BIOLOGY

**221x. Teaching of Biology.** Cr. 2. S. Formerly 211-2-3. Prerequisite: Twelve semester hours in Botany or Zoology. Lectures, assigned readings, reports, and laboratory problems, the laboratory and its equipment, biological illustrations, collections, exhibits, herbaria, types of biology courses, text-books, references, biological institutions and workers. May be counted as Education or as Biology.

**231x. Heredity and Evolution.** Cr. 3 (2-3). I. Formerly 231 and 232. Prerequisite: Six semester hours in Botany or Zoology. Principles of heredity in plants, animals, and man with emphasis on the cytological background for genetics; organic evolution, with illustrations from both the animal and plant kingdoms. The laboratory period is devoted to demonstrations and to the working of problems in genetics.

**411x-2x. Biology Seminar.** Cr. 1. I and II. Formerly 411-2-3. Prerequisite: Senior standing in Botany or Zoology, or the consent of the Head of the Department. Reports on assigned topics, based chiefly on current biological literature and research. May be repeated for full credit.

## BOTANY

**131x-2x. General Botany.** Cr. 3 (2-3). I and II. Formerly 131-2-3. Botany and its subdivisions; introductory survey of plant kingdom; microscopic survey of the seed plants; cellular structures and physiology of the seed plants; review of the plant groups from the algae to the flowering plants.

**231x. Morphology of Higher Plants.** Cr. 3 (2-3). I. Formerly 232. Prerequisite: Bot. 131x-2x. Morphology of the ferns, fern allies, and all the seed-bearing plants; the rudiments of plant anatomy.

**232x. Taxonomy of Higher Plants.** Cr. 3 (2-3). I. Formerly 233. Prerequisite: Bot. 131x-2x. Classification of the ferns, fern allies, and seed-bearing plants, with emphasis upon the local flora.

**331x. Plant Physiology.** Cr. 3 (1-6). I. Formerly 331-2-3. Prerequisite: Twelve semester hours in Botany, or 6 semester hours in Botany and 11 in Horticulture and Agronomy; prerequisite or parallel: 6 semester hours in Chemistry. Absorption, water transport, transpiration, nutrition, photosynthesis, respiration, growth, responses to stimuli. Given in alternate years; given in 1935-36.

**332x. Morphology of Lower Plants.** Cr. 3 (1-6). II. Formerly 231. Prerequisite: Twelve semester hours in Botany, or 6 semester hours in Botany and 11 in Horticulture and Agronomy. Morphology of algae, fungi, liverwort, and mosses; rudiments of plant pathology. Given in alternate years; given in 1935-36.

**431x. Botanical Technique.** Cr. 3 (1-6). Formerly part of 431-2-3. Prerequisite: Eighteen semester hours in Botany. Freehand and microtome sections; staining; making of permanent slides.

**432x. Advanced Plant Anatomy.** Cr. 3 (1-6). II. Prerequisite: Eighteen semester hours in Botany. Advanced studies on the tissue systems of the vascular plants, with emphasis on those of economic importance.

## ZOOLOGY

**131x-2x. General Zoology.** Cr. 3 (2-3). I and II. Formerly 131-2-3. The natural history, morphology, and physiology of the vertebrates, with emphasis on the frog; the more important invertebrate phyla; some general principles, as reproduction, adaptation, evolution, and genetics.

**231x-2x. Vertebrate Anatomy.** Cr. 3 (2-3). I and II. Formerly 237-8-9. Prerequisite: Six semester hours in Zoology. The morphology, physiology, adaptations, and embryological origins of the various systems of organs in the vertebrates; laboratory study of the anatomy of representative forms.

**233x. Entomology.** Cr. 3 (2-3). I. Formerly 236. Prerequisite: Six semester hours in Botany or Zoology. Classroom, laboratory, and field study of the more important insect pests of plants.

**235x-6x. The Human Body.** Cr. 3 (2-3). I and II. Formerly 134-5-6. Prerequisite: Sophomore standing. Gross anatomy of the body, including the nervous system, the skeleton, the other organ systems, and the microscopic study of the tissues; the various physiological processes; the fundamental principles of hygiene and sanitation; the fundamentals of heredity and evolution.

**331x-2x. Animal Histology and Embryology.** Cr. 3 (1-6). I and II. Formerly 331-2-3. Prerequisite: Zool. 231x-2x. Histology; the preparation and study of permanently mounted sections of animal tissues; the embryology of the higher animals, with emphasis on the chick and the pig.

**431x-2x. Animal Cytology.** Cr. 3 (1-6). I and II. Formerly 431-2-3. Prerequisite: Zool. 331x-2x. The principles of cytology, histological and cytological technique. In addition to lecture and laboratory work, extensive reading and reports are required in current zoological problems, and in other subjects which furnish the necessary background for the course.

The following courses in this department may be taken for graduate credit: Bact. 321x, 331x-2x; Biol. 411x-2x; Bot. 331x, 332x, 431x, 432x; Zool. 331x-2x, 431x-2x.

## DEPARTMENT OF CHEMISTRY AND CHEMICAL ENGINEERING

PROFESSORS GOODWIN, CRAIG. ASSOCIATE PROFESSOR

SCHNEIDER. ASSISTANT PROFESSOR SLAGLE.

INSTRUCTORS GALBRAITH, MARSHALL.

The Department of Chemistry and Chemical Engineering offers curricula leading to three degrees. The degree of Bachelor of Science in Chemical Engineering is awarded upon the completion of the requirements outlined by the Division of Engineering. The degree of Bachelor of Arts or the degree of Bachelor of Science, Chemistry Major, is awarded upon the completion of the requirements for the respective degrees as set forth by the Division of Arts and Sciences.

### THE DEGREE BACHELOR OF ARTS

The general requirements for the degree of Bachelor of Arts are outlined under **Division of Arts and Sciences**. Thirty semester hours of Chemistry are required as a major for this degree. Any courses offered by this department, unless stated to the contrary in the description of that course, may be counted in the fulfillment of this requirement, provided that all prerequisites of that course have been fulfilled. The student is advised to select such courses in consultation with the Head of this Department.

The purpose of this curriculum is to give the student a diversified view of the field of chemistry and, at the same time, to allow an ample and varied choice of other subjects enabling the student to secure a general education. The nature of the courses in Chemistry which must be taken is such, however, that the student is prepared for graduate work should he desire to continue the study of chemistry.

### THE DEGREE BACHELOR OF SCIENCE, CHEMISTRY MAJOR

The general requirements for this degree may be found under **Division of Arts and Sciences**. This curriculum is designed to give the graduate a well-rounded view of the physical sciences—chemistry, biology, geology, and physics. In addition, the minimum major requirement of thirty-six semester hours in Chemistry will prepare the student for industrial positions in chemical plants and for graduate work in the science.

### THE DEGREE BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

Chemical engineering is recognized today as a distinct branch of engineering. An industrial chemical process in reality consists of a series of unit processes, the proper sequence and coordination of which constitute an engineering science.

The Chemical Engineering curriculum is based upon the belief that a student should secure a thorough, fundamental training in both chemistry and engineering. Hence, the "practical" courses are largely omitted. Emphasis is placed on both class and laboratory work. In addition to the professional courses, the curriculum emphasizes the importance of instruction in English, economics, and speech, and prepares the graduate student for more advanced work by the inclusion of German. It is the purpose of this course to train men so that they may be ready to develop into executives, superintendents, and managers of plants in the field of chemical industry. The curriculum for this degree is given under **Division of Engineering**.

**131x-2x. General Chemistry.** Cr. 3 (2-3). Each, I and II. Formerly 141-2-3. An introductory course. Prerequisite to all other courses in Chemistry. Metals and non-metals and the underlying principles of chemistry. Serves as a six semester-hour science course. Together with Chem. 220x, this course satisfies pre-medical requirements for general chemistry.

**220x. Qualitative Analysis.** Cr. 2 (1-3). I, II. Prerequisite: Chem. 131x-2x, although 132x may be taken at the same time. The qualitative separation of basic radicals and simple acidic radicals. This course, together with Chem. 131x-2x, completes an eight semester-hour course in general chemistry.

**242x. Inorganic Chemistry.** Cr. 4 (3-3). II. Prerequisite: Chem. 220x. Inorganic materials and principles based on inorganic preparations carried out in the laboratory. These preparations may vary from year to year.

**322x. Power Plant Chemistry.** Cr. 2 (1-3). II. Formerly 339. Prerequisite: Chem. 131x-2x. Cannot be counted in fulfilling the major requirement in Chemistry. Materials commonly used in a power plant—water and fuels. Practical tests of such materials in the laboratory. For Engineers other than Chemical Engineering students.

**330x. Teaching of Chemistry.** Cr. 3 (0-9). S. Prerequisite: Chem. 220x and 242x, and 12 semester hours in Education. Methods of teaching elementary chemistry. The construction and equipment of laboratories. Conferences and library work. Cannot be counted toward the fulfillment of the major requirement in Chemistry.

**331x-2x. Quantitative Analysis.** Cr. 3 (0-9). I and II. Formerly 237-8-9. Prerequisite: Chem. 131x-2x. If Chem. 220x and 242x have not been taken previously, they must be taken parallel with this course. Gravimetric and volumetric methods of quantitative analysis. Recommended for the development of laboratory technique. Strongly urged as an elective for Pre-medical students. Seniors or graduates other than Chemistry majors, with B average, may take Chem. 332x without having had Chem. 331x.

**341x. Organic Chemistry.** Cr. 4 (3-3). I. Formerly 331-2. Prerequisite: Chem. 131x-2x. Brief. For students in the Divisions of Agriculture and Home Economics. Does not satisfy pre-medical requirements and cannot be counted in fulfilling the major requirement in Chemistry.

**342x. Physiological Chemistry.** Cr. 4 (3-3). II. Formerly 438-9. Prerequisite: Organic Chemistry. Elementary. For students in the Divisions of Home Economics and Agriculture. Cannot be counted in fulfilling the major requirement in Chemistry.

**343x-4x. Organic Chemistry.** Cr. 4 (3-3). I and II. Formerly 343-4-5. Prerequisite: Chem. 131x-2x and 220x. The compounds of carbon. Provides a thorough foundation for other courses in organic, physiological, and industrial chemistry. Satisfies pre-medical requirements.

**411x-2x. Chemistry Seminar.** Cr. 1. I and II. Required of all candidates for any degree with a Chemistry major. Usually reserved for the senior year. Open to juniors with permission of the Head of the Department. May be counted for credit as often as taken.

**421x. Organic Combustion Analysis.** Cr. 2 (0-6). I. Prerequisite: Consent of the instructor. The ultimate analysis of organic compounds.

**422x. Colloid Chemistry.** Cr. 2 (1-3). II. Prerequisite: Chem. 441x-2x and the consent of the instructor. Colloid chemistry and its applications. Given in alternate years; not given in 1935-36.

**423x. Advanced Qualitative Analysis.** Cr. 2 (0-6). I. Prerequisite: Chem. 441x-2x and the consent of the instructor. Given in alternate years; given in 1935-36.

**430x. Technical Analysis.** Cr. 3 (0-9). I, II. Prerequisite: Consent of instructor. The analysis of water, foods, feeds, alloys, rocks, and cements. Materials analyzed vary from year to year.

**431x-2x. Principles of Chemical Engineering.** Cr. 3. I and II. Prerequisites: A course in the calculus and Chem. 441x-2x. Flow of fluids; heat transfer; principles of basic unit operations of chemical engineering.

**434x. Organic Preparations.** Cr. 3 (0-9). II. Formerly 333. Prerequisite: Consent of instructor. The synthesis of organic materials with special attention to technique and yields.

**441x-2x. Physical Chemistry.** Cr. 4 (3-3). I and II. Formerly 441-2-3. Prerequisite: Chem. 220x, 242x, 331x-2x, 343x-4x, 5 semester hours in calculus, 6 semester hours in physics, and consent of the instructor; 343x-4x may be taken parallel. The modern theories of chemistry and the methods of physico-chemical measurements.

**443x-4x. Industrial Chemistry.** Cr. 4 (3-3). I and II. Formerly 312-3-4 and 321-2-3. Prerequisite: Chem. 331x-2x and 343x-4x. An historical development of the application of chemistry to modern industry. Laboratory work not correlated with class. The practical testing of industrial materials.

**531x-2x. Thesis Course.** Cr. 3 (0-9). I and II. Prerequisite: Consent of the instructor and graduate standing. Research in analytical, industrial, inorganic, organic, and physical chemistry.

**534x. Advanced Organic Chemistry.** Cr. 3. II. Prerequisite: Graduate standing in Chemistry. Given in alternate years; given in 1935-36.

**535x-6x. Advanced Chemical Engineering.** Cr. 3. I and II. Prerequisite: Chem. 431x-2x. A continuation of Chem. 431x-2x. Emphasis placed on cost calculations in design and operation of basic processes such as distillation, filtration, heat transfer. Given in alternate years; not given in 1935-36.

Courses in this department which may be taken for graduate credit are: Chem. 411x-2x, 421x, 422x, 423x, 430x, 434x, 441x-2x, 531x-2x, 534x, 535x-6x.

## DEPARTMENT OF ECONOMICS AND BUSINESS ADMINISTRATION

PROFESSORS CONDRAY, ELLSWORTH, PLANK. ASSOCIATE  
PROFESSOR NISSLEY. ASSISTANT PROFESSOR ROOT.  
INSTRUCTOR WOLFFARTH.

Our modern social and economic life presents a situation wherein every person needs a fundamental knowledge of the principles of economics. Every citizen will be influenced by economic laws and economic forces throughout his life. In a democracy the necessity of this knowledge is especially evident since every adult has a right to vote and may, therefore, assist in molding the thought of the people and the legislation in state legislatures and in Congress to work out the economic problems of our times.

Industrial life in America in modern times has become highly organized. Every technical man, whether he be an agriculturist, an engineer, a banker, a merchant, or a governmental employee, should have at his command an adequate knowledge of the basic principles of business and be able ultimately to assume administrative and executive positions in his chosen profession when he has acquired the necessary experience.

The Department of Economics and Business Administration furnishes fundamental training in economics for all students in all divisions of the College. In addition to this fundamental training, it presents courses which will enable the student who is interested in economics to perfect his training in that field by taking a major in Economics with more advanced work than is undertaken by students whose majors are in other divisions or departments of the College.



This department also furnishes opportunity for students in any division of the College to obtain training in Business Administration as a part of their preparation in Engineering, in Agriculture, or in any other major work within the College. The department also presents courses leading to the degree of Bachelor of Business Administration as training for those who intend to go into banking, insurance, real estate, investments, merchandising, or any other lines of activity in the field of business, commerce, transportation, or finance.

Students who wish to receive the degree of Bachelor of Business Administration must meet special requirements for that degree. These are shown in the curriculum at the beginning of **Division of Arts and Sciences**.

Students desiring to major in Economics and receive the degree of Bachelor of Science may do so by fulfilling the requirements for the degrees named with at least thirty-six semester hours in Economics, or Economics and certain specified courses in Business Administration. Economics 231x-2x and Economics 233x-4x are required of all students majoring in Economics.

### ECONOMICS

**231x-2x. Principles of Economics.** Cr. 3. Each, I and II. Formerly 231-2-3. Prerequisite: Sophomore standing. Modern economic society and modern economic problems. Forms of business organizations. Prices, money, banking, transportation, taxation, interest, rent, profits, labor problems. Proposed economic reform. Sec. 9, same as Ag. Eco. 231x-2x.

**233x. Economic Development of Europe.** Cr. 3. I. Prerequisite: Sophomore standing. Economic development of Europe after the fall of the Roman Empire. Changes brought about by invention, development of new markets, trade routes, and the evolution of the financial organization of society.

**234x. Economic Development of the United States.** Cr. 3. II. Prerequisite: Sophomore standing. Economic development in the United States from colonial times to the present. The exploitation of natural resources, the influence of slavery, problems of immigration, and the development of capitalistic industry.

**235x. Principles of Economics.** Cr. 3. I, II. Prerequisite: Sophomore standing. The same general subject matter as in 231x-2x except that it is covered in one semester. Same as Ag. Eco. 235x.

**331x. Money and Banking.** Cr. 3. I. Formerly 3313-14-15. Prerequisite: Eco. 231x-2x. History and principles of money and banking. Existing monetary and banking systems. Problems of the standard. Foreign exchange. Federal Reserve System, state banks. Recent emergency monetary and banking legislation.

**332x. Public Utility Economics.** Cr. 3. I. Prerequisite: Eco. 231x-2x. Principles and problems of public utilities. Financing, ownership, and public relations. The holding company and municipal competition. Valuations, rates, and regulations.

**333x. Public Finance.** Cr. 3. II. Formerly 430. Prerequisite: Eco. 231x-2x. Municipal, state and federal finance. Principles and practices of taxation. Budgetary control and governmental expenditures. Public borrowing and administration.

**431x. Transportation.** Cr. 3. I. Formerly 433-434. Prerequisite: Eco. 231x-2x. The development of the transportation system: rivers, canals, toll-roads, railroads, highways, air. Governmental regulation of transportation agencies. Competitive practices, rate making, valuations, financing, consolidations. Present tendencies.

**432x. Labor and Labor Problems.** Cr. 3. I. Prerequisite: Eco. 231x-2x. The main forces which have created modern labor legislation. Wages, hours of work, working conditions, unemployment, pension plans. Arbitration and social and industrial insurance.



**433x. International Economic Problems and Foreign Trade.** Cr. 3. II. Prerequisite: Eco. 231x-2x. Comparison of domestic and international economic relations. Political obstacles to international trade. The tariff and commercial treaties. International monetary problems. Financing foreign trade. Foreign loans.

**434x. Price and Distribution Theory.** Cr. 3. I. Prerequisite: Eco. 231x-2x. The economic theories underlying value and distribution. The present distribution of wealth. The orthodox theory of distribution.

**435x. Economic Cycles and Forecasts.** Cr. 3. II. Prerequisite: Eco. 231x-2x. Economic theories of cycles. Their causes and proposed remedies. An examination of forecasting services available and technique employed by them. Problems in specific commodities and securities.

**436x. Economic Theory: Development and Present Status.** Cr. 3. II. Prerequisite: Eco. 231x-2x. The evolution of economic thought. The leading schools of economic thought. The problems of unregulated competition and monopolies as they influence social welfare.

**437x. Current Economic Problems.** Cr. 3. I. Prerequisite: Eco. 231x-2x; junior standing. Fundamental problems of economic life today and proposed solutions. A critical examination of the present economic policies of government and industry. Individual research encouraged.

### BUSINESS ADMINISTRATION

#### Secretarial Courses

**211x. Elementary Typewriting.** Cr. 1. I. Formerly 3140 and  $\frac{1}{2}$  of 3141. A beginners' course in typewriting covering a general knowledge of the care and operation of a typewriter, copy work, dictation, letter writing and forms. Required of all Business Administration students. Typewriter rental, \$6.00.

**221x. Advanced Typewriting.** Cr. 2. II. Formerly  $\frac{1}{2}$  of 3141 and 3142. Advanced copy work and dictation. Preparation of stencils. Business forms. May not be used as part of major-subject requirements for the Bachelor of Business Administration degree but may be taken as an elective. Typewriter rental, \$6.00.

**222x. Elementary Shorthand.** Cr. 2. I. Formerly 3243 and  $\frac{1}{2}$  of 3244. A beginners' course covering the penmanship of shorthand, elementary phrase and sentence writing, simple transcription and writing of business letters.

**223x. Advanced Shorthand.** Cr. 2. II. Formerly  $\frac{1}{2}$  of 3244 and 3245. Prerequisite: B. A. 222x. Advanced dictation, transcription, letter writing. Outside preparation required.

### BUSINESS ADMINISTRATION PRINCIPLES

**234x-5x. Introduction to Accounting.** Cr. 3 (2-2). I and II. Formerly 234-5-6. Prerequisite: Sophomore standing. Introduction to bookkeeping and accounting, covering principles of accounting, financial statements, and systems for the sole proprietorship, and partnership. Corporation problems and interpretation of statements.

**330x. Principles of Finance.** Cr. 3. I. Formerly 337-8-9. Prerequisite: Eco. 231x-2x. Principles of finance as applied to launching, organizing, and administering the average business enterprise. Financial aspects of credit extension, selling, and purchasing. Financial characteristics of the proprietorship, the partnership, and the corporation. Relation of finance to seasonal and cyclical trends.\*

**331x. Problems in Finance.** Cr. 3. II. Formerly 439. Prerequisite: Eco. 231x-2x. Financial problems connected with promotion, underwriting, and sale of corporation securities. Problems of administration, budgeting, expansion, combination, and reorganization of corporations. Financial coordination of departments within the corporation.\*

\*May be used toward major requirements for Bachelor of Arts degree with Major in Economics.

**332x. Principles of Marketing.** Cr. 3. I. Formerly 3310 and ½ of 3311. Prerequisite: Eco. 231x-2x. Marketing structures and agencies. Types of middlemen and retail institutions. Current marketing practices. Distribution of raw materials and finished products.\*

**333x. Marketing Problems.** Cr. 3. II. Formerly ½ of 3311 and 3312. Prerequisite: B. A. 332x and Eco. 231x-2x. Actual marketing cases. Materials covering consumers' buying habits, department store operation, cooperative buying, direct selling, control of sales force.\*

**334x-5x. Business Law.** Cr. 3. I and II. Formerly 334-5-6. Prerequisite: Eco. 231x-2x. The ordinary rules of business law. The development of our legal system. The law of persons, torts, contract, agency, private property, sales, negotiable instruments, insurance, labor, partnerships, and corporations.\*

**336x. Industrial Management.** Cr. 3. I. Formerly 3321-22. Prerequisite: Eco. 231x-2x. Production management from the managerial or executive standpoint. Plant location, purchasing, budgetary control.

**337x-8x. Advanced Accounting.** Cr. 3 (2-2). I and II. Formerly 3316-17-18. Prerequisite: B. A. 234x-5x. Advanced principles of accounting. Problems peculiar to partnership and corporation. Accounting for insolvent concerns. Joint ventures, depreciation. Consolidated statements.

**431x. Office Management.** Cr. 3. II. Formerly 3341. Prerequisite: Eco. 231x-2x. Standards of office practice, wage payment plans, equipment and its selection. For those interested in secretarial practice and in field of management.

**432x. Advertising.** Cr. 3. I. Prerequisite: Eco. 231x-2x. Advertising elements such as copy, layout, media, typography. Problems applied to the principles of advertising.

**433x. Personnel Administration.** Cr. 3. II. Formerly 4210-11. Prerequisite: Eco. 231x-2x. The training of employees, wage systems, workmen's compensation laws, collective bargaining, trade agreements.

**434x. Investments.** Cr. 3. I. Formerly 438. Prerequisite: Eco. 231x-2x. Principles of the true investment. Forms and types of investment. Relation to speculation. Influence of taxation. Analyses of actual investment securities. Classes of investors and diversification.

**435x. Business Policy.** Cr. 3. II. Prerequisite: Eco. 231x-2x. Business problems that have confronted leaders in trade and industry, and facts and circumstances on which they have based their decisions. Application to actual problems of principles of industrial activity, marketing, economics, statistics and finance. A coordination course of the specialized courses to suggest solutions of problems affecting the general policy of an operating company. Problems are presented by business men and various members of the faculty.

**436x. Cost Accounting.** Cr. 3. I. Formerly 4213-14-15. Prerequisite: B. A. 234x-5x. Records and reports for the cost department. Methods of allocation of overhead costs. Records and principles handling material, labor, and indirect costs.

**437x. Auditing.** Cr. 3. II. Formerly 4333-34-35. Prerequisite: B. A. 234x-5x. Auditing procedure, classification of audits and investigations. Methods of verification of financial statements. Advanced auditing and accounting problems and principles.

Courses in this department which may be taken for graduate credit are: Eco. 331x, 332x, 333x, 431x, 432x, 433x, 434x, 435x; B. A. 334x-5x, 336x, 337x-8x, 431x, 432x, 433x, 434x, 435x, 436x, 437x.

\*May be used toward major requirements for Bachelor of Arts degree with major in Economics.

## DEPARTMENT OF EDUCATION AND PSYCHOLOGY

PROFESSORS EVANS, BARNETT, GARLIN. ASSOCIATE PROFESSORS  
DYSART, JACKSON, SHAVER, TRUE.

The Department of Education and Psychology furnishes the professional training in Education necessary for the training of teachers. No person can be a good teacher without a thorough knowledge of the subject matter which he intends to teach. All students who are preparing to be teachers, therefore, should take full courses in subject matter as a part of their preparation to be teachers and school administrators.

The function of this department is primarily to furnish the professional training in methods, preparation of materials, classroom management, the fundamentals of administration and supervision, and other professional courses necessary for the adequate preparation of teachers.

Each course in Education and Psychology counts as an independent course and may be taken by students majoring in other divisions or departments who desire to prepare themselves as teachers or to satisfy degree requirements.

Courses taken in Texas Technological College may be used to satisfy requirements for teachers certificates valid in Texas and in other states. Students desiring to teach in other states should consult the Head of the Department concerning certificate requirements in these states. Teachers' certificates are secured by compliance with the State school laws. Persons desiring to secure certificates must meet all legal requirements.

### REGULATIONS GOVERNING STATE TEACHERS' CERTIFICATES

#### **Four-Year Elementary or Two-Year High School Certificate**

On completion of five college courses in a first-class college, including 108 hours (6 semester hours) in English, and 108 hours (6 semester hours) in elementary Education, an elementary certificate valid for four years, or a high school certificate valid for two years, may be issued. Any course in Education may be used for the two-year high school certificate.

#### **Six-Year Elementary or Four-Year High School Certificate**

On completion of ten college courses in a first-class college, including 216 hours (12 semester hours) in Education, a four-year high school certificate, or six-year elementary certificate, may be issued. Any two courses in Education will be accepted for the elementary certificate valid for six years, but an applicant must have credit for one full year that bears wholly on high school Education before the high school certificate may be issued.

#### **Six-Year High School Certificate**

On completion of fifteen college courses, including three courses in Education, a six-year high school certificate may be issued, provided one year bears wholly on high school education, and one term includes a minimum of thirty-six recitation hours in practice teaching.

#### **Permanent High School Certificate**

A permanent high school certificate may be issued on a Bachelor of Arts degree, or its equivalent, and four courses in Education. Two of the courses may be any courses in Education, one of the courses must bear wholly on high school Education, and one course must include methods, observation of methods, and practice in teaching. (6 sem. hrs. high school education, 2 sem. hrs. high school methods and 2 sem. hrs. of practice teaching are required.)

A permanent high school certificate may be issued on a Bachelor of Arts degree or its equivalent, two courses in Education, and three years of teaching experience. One course in Education must bear wholly on high school Education, and the teaching experience must be had after the degree is conferred.

### **One Year Extensions of Certificates of Any Grade**

Students of Texas Technological College have the privilege of taking advantage of the new certificate law, which is designed to extend for one year a certificate of any grade. This requires the completion of six semester hours, in summer school only, for the extension of certificates expiring during the current year after the opening of summer school.

### **Special Certificates**

Certificates authorizing the holders to teach the special subjects of agriculture, home economics, commercial subjects, public school drawing, expression, manual training, physical training, public school music, vocal music, instrumental music, industrial training, or foreign languages, are authorized under certain requirements. Persons interested should consult the head of the Department of Education concerning the special requirements for securing these certificates.

Students who are registered in the Divisions of Agriculture, Home Economics, or Engineering may, by arrangement between the Dean of the Division and the Head of the Department of Education, take sufficient courses in Education and Psychology to meet the requirements for a State Certificate, and thus may take their degree in the Division in which they are registered and also qualify themselves to teach general agriculture, home economics, shop work, industrial training, or combinations of these and other high school subjects when they are able to meet the requirements of the State Department of Education.

### **Courses in Government Required for a Certificate**

On and after September 1, 1930, a teachers' certificate issued by the State Department of Education based on college work requires courses in Government covering the Federal and Texas constitutions. Government 320x will satisfy the minimum requirement for the teachers' certificate.

Scholarship, as shown by the grades of the student, will be given great weight in recommending students for certificates or teaching positions.

### **LONG SESSION EDUCATION COURSES**

Courses offered in the Long Session. Offered also in the Summer Session on demand.

NOTE: The Summer Session courses are listed immediately following the Long Session Psychology courses.

**131x. Introduction to Education.** Cr. 3. Each, I and II. Formerly 131. Brief survey of the general field of education with particular reference to the origin and development of present day practices in the public schools.

**132x. Classroom Management and Methods.** Cr. 3. Each, I and II. Formerly 132 and 133. Fundamental principles of classroom management and their application in the school room; methods of learning involved in the various school subjects, and corresponding methods of teaching. Elementary skills and how they may be acquired in the classroom.

**231x. Educational Psychology.** See Psychology 231x.

**232x. History of Education.** Cr. 3. II. Formerly 232. Prerequisite: Sophomore standing. Educational ideals, ancient and modern. Education as related to civilization, development of public education, current education problems.

**233x. School Health and Hygiene.** Cr. 3. II. Formerly 2311. Prerequisite: Sophomore standing. The organization and administration of school health programs with special emphasis on the public health aspects of school hygiene. The principles and methods of preventive mental hygiene. Given in alternate years; given in 1935-36.

**234x. Principles of Secondary Education.** Cr. 3. Each, I and II. Formerly 234. Prerequisite: Sophomore standing. Basic principles underlying secondary education including the high school as a social institution, and the physical and mental characteristics of the secondary pupil.

**235x. High School Methods.** Cr. 3. Each, I and II. Formerly 236. Prerequisite: Sophomore standing. Economy in classroom procedure; selection and arrangement of subject matter; lesson planning; adapting classroom instruction to individual differences; directing study; laboratory methods; technique of socialized procedure; quizzes, examinations, marking.

**236x. Kindergarten-Primary Education.** Cr. 3. I. Formerly 237. Prerequisite: Sophomore standing. The organization, methods, and materials of the kindergarten and primary grades. The social studies and primary skills, arithmetic, writing and spelling.

**237x. English in the Primary Grades.** Cr. 3. II. Formerly 2372. Prerequisite: Sophomore standing. A continuation of Ed. 236x with emphasis on language, reading, and literature in the first three grades.

**311x. Ethics of the Teaching Profession.** Cr. 1. Each, I and II. The practical duties of the teacher, his relationship to fellow teachers, to his community, and to himself. Strongly recommended for all majors in Education.

**331x. Principles of Education.** Cr. 3. I. Formerly 331. Prerequisite: Junior standing. Educational theory stressing the more important principles involved in the processes of education. Special attention to the biological, psychological, and sociological bases and processes of development and adjustment.

**333x. Observation and Practice.** Cr. 3. Each, I and II. Formerly 333. Prerequisite: Junior standing in Education. Principles of teaching, observation of class work, construction of lesson plans, and teaching under supervision in the Lubbock public schools.

**337x. Methods in Classroom Tests.** Cr. 3. I. Formerly 337. Prerequisite: Junior standing in Education. Advanced methods in new-type tests, their advantages and disadvantages; practice in making and giving teachers' classroom tests; scoring and tabulating results; using tests for diagnosis and the improvement of teaching; test making as a teaching method.

**338x. Every Teacher's Problems.** Cr. 3. Formerly 338. Prerequisite: Junior standing in Education. An enumeration and discussion of the problems that confront the teacher in the school room, and guiding principles for their solution. Individual and social as well as professional problems common to present-day teachers. Given in alternate years; given in 1935-36.

**339x. Character Education.** Cr. 3. II. Formerly 339. Prerequisite: Junior or senior standing in Education. An analysis of present-day theory and practice in character building, pointing out the defects and derelictions of the past and showing how the school and the home may provide more training for improving the morals of pupils and for rendering the pupils more competent to discharge their social obligations. Given in alternate years; not given in 1935-36.

**3311x. The Primary Curriculum.** Cr. 3. I. Formerly 3311 and 3312. Prerequisite: Ed. 236x and 237x or their equivalent. Specific aims, objectives, activities, and methods incorporated in the curriculum for the first three grades. Working out of principles of selection and organization, examination of present-day courses of study, and planning of activity programs.

**3313x. Economic and Social Background of the Rural High School.** Cr. 3. I. Types of rural communities as related to educational facilities; centralizing influences in American industry and effect on the rural high school; relation of rural high school support to certain economic farm factors; relation of the rural high school to other rural social institutions; forces modifying rural individualism and probable effects on rural education; a new type of high school as a socially constructive force in the rural community.

**430x. Sociological Principles of Education.** Cr. 3. Formerly 430. Prerequisite: Junior or senior standing in Education. A comparison of the fields of psychology and sociology in relation to the principles and processes of education. Given in alternate years; not given in 1935-36.

**431x. Education in the United States.** Cr. 3. I. Formerly 434. Prerequisite: Senior standing and Ed. 232x. Educational history, theory, and practice in the United States; the origin and development of public elementary and secondary education.

**432x. Public School Administration.** Cr. 3. II. Formerly 436. Prerequisite: Senior standing or consent of instructor. Problems that confront the superintendent or principal, such as classification and grading, arranging courses of study, selection and improvement of the teaching staff, relations with teachers, school board and general public.

**433x. School Publicity.** Cr. 3. II. Formerly 437. Prerequisite: Senior standing in Education. The aims and underlying principles of school publicity policy, organization of publicity, media of approach to the public, and appraisal of publicity work.

**434x. The Supervision of Instruction.** Cr. 3. I. Formerly 438. Prerequisite: Senior standing in Education. Designed to give prospective principals, superintendents, supervisors, and teachers an understanding of the principles and technique of supervising instruction. The organization and planning of supervision, methods and devices for the improvement of teaching, evaluating the efficiency of teachers and supervisors, and the training of supervisors.

**436x. The Curriculum.** Cr. 3. I. Prerequisite: Senior standing or consent of instructor. Curriculum reconstruction in the light of recent investigations; the fundamental bases of the curriculum; the relation of curricular and extra-curricular activities. An orientation course in curriculum reconstruction with special reference to the Texas revision movement. Given in alternate years; not given in 1935-36.

#### LONG SESSION PSYCHOLOGY COURSES

Courses offered in the Long Session. Offered also in the Summer Session on demand.

NOTE: The Summer Session courses are listed immediately following the Summer Session Education courses.

**230x. Introduction to Psychology.** Cr. 3. Each, I and II. Formerly 230. Prerequisite: Sophomore standing. Introduction to the study of mental processes. Lectures, recitations, and demonstrations illustrating the principles of general psychology.

**231x. Educational Psychology.** Cr. 3. I. Formerly Ed. 231. Prerequisite: Sophomore standing. The principles of psychology in their application to education, with emphasis upon the mental processes involved in the study of the various school subjects. The native responses of the child and their modification by education; the different types of learning, methods of memorizing, transfer of training, and fatigue.

**331x. Child Psychology.** Cr. 3. II. Prerequisite: Three hours in Psychology and junior standing. The psychology of childhood from infancy to early adolescence. The general nature, growth, and development of the child, emotionally, mentally, and socially.



**333x. Measurements in Education.** Cr. 3. I. Formerly Ed. 3313. Prerequisite: Junior standing in Education. The instruments and technique of measuring the results of instruction. Tests, tabulation and established treatments of scores, interpretation, description, and uses of results for improving instruction.

**337x. General Psychology.** Cr. 3. II. Formerly 232 or 232x. Prerequisite: Psy. 230x or its equivalent. Continuation of Psy. 230x. Problems, principles, and methods of psychology. Facts and theories current in general psychological discussion.

**338x. Business Psychology.** Cr. 3. II. Formerly 236 or 233x. Prerequisite: Three hours of Psychology. Psychology applied to advertising, salesmanship, employment, and industry.

**431x. Mental Tests.** Cr. 3. II. Formerly Ed. 3310 or 334x. Prerequisite: Psy. 333x. The principles, application and technique of the various types of mental tests. Emphasis given to the theory of mental tests and to the application of such tests to the fields of education, business and the professions.

**432x. Contemporary Psychologies.** Cr. 3. Formerly 336x. Prerequisite: Six hours of Psychology. The outstanding schools of psychology at the present time, their similarities and differences. Lectures supplemented by readings, reports, and discussions. Given in alternate years; given in 1935-36.

#### SUMMER SESSION EDUCATION COURSES

Education courses offered in the Summer Session only. Such of the Long Session courses as are demanded may also be offered in the Summer Session.

**133x. Methods in Elementary English.** Cr. 3. S. Formerly 138 or 133x. Modern methods of teaching English fundamentals, both oral and written. Offered in Summer Session only.

**135x. Penmanship.** Cr. 3. S. Basic, for teachers of penmanship in the elementary grades. Offered in Summer Session only.

**137x. Art.** Cr. 3. S. The fundamentals of teaching drawing in the elementary grades of the public schools. Offered in Summer Session only.

**221x. Social Activities in the Primary Grades.** Cr. 2. S. Prerequisite: Sophomore standing in Education. The selection, organization, and evaluation of social activities. Procedure and its relation to the mastery of the tool subjects. Offered in Summer Session only.

**223x. School Health and Hygiene.** Cr. 2. S. Formerly 2311 or 233x. Prerequisite: Sophomore standing. Development of the school health program; some of the facts and principles of child growth and of the principles and methods of preventive mental hygiene; organization and administration of school health programs. Offered in Summer Session only.

**225x. Materials and Methods in the Social Studies of the Elementary Grades.** Cr. 2. S. An informal presentation of the materials and methods of the elementary grades with emphasis placed on the social studies. An application of the principles of activism.

**226x. The Primary Skills: Arithmetic, Spelling and Writing.** Cr. 2. S. Formerly 237. Prerequisite: Sophomore standing. A methods course similar to Ed. 236x, but which omits all discussions except those dealing specifically with the teaching of the tool subjects, arithmetic, spelling, and writing. Offered in Summer Session only.

**227x. Reading in the Elementary Grades.** Cr. 2. S. Formerly 2372. Prerequisite: Sophomore standing. Modern methods of teaching reading in the primary and upper grades. Offered in Summer Session only.



**229x. Rural Education.** Cr. 2. S. The function of the rural school; the status of the rural school as to teachers, curriculum, buildings and equipment, enrollment and attendance, administration and supervision, and financial support; some proposed reforms in certain phases of rural education. Offered in Summer Session only.

**320x. The Principal and His School.** Cr. 2. S. Formerly 330. Prerequisite: Junior standing in Education. The organization and operation of a school building unit, dealing with the varied duties of the principal in administering a school. Offered in Summer Session only.

**322x. High School Problems.** Cr. 2. S. Formerly 332. Prerequisite: Junior standing in Education. The organization of the high school; curriculum reconstruction; the high school pupil; the selective character of secondary education; selected topics. Offered in Summer Session only.

**323x. Observation and Practice Teaching.** Cr. 2. S. Formerly 333. Prerequisite: Junior standing in Education. Principles of teaching, observation of class work, lesson plans. Similar to Ed. 333x with reduced time for observation and practice teaching. Offered in Summer Session only.

**326x. Educational and Vocational Guidance.** Cr. 2. S. Formerly 336 or 336x. Prerequisite: Junior standing in Education. For superintendents, principals, and teachers who feel the need for instruction in methods of educational, professional and vocational guidance. Guidance for college students, and also for students of junior and senior high school rank. Offered in Summer Session only.

**327x. Methods in Classroom Tests.** Cr. 2. S. Formerly 337. Prerequisite: Junior standing in Education. Advanced methods in new-type tests, their advantages and disadvantages; practice in making and giving teacher's classroom tests; using tests for diagnosis and the improvement of teaching; test making as teaching method.

**3210x. Literature in the Primary Grades.** Cr. 2. S. Formerly 238 or 238x. Prerequisite: Sophomore standing in Education. The literature, both poetry and prose, for children of various ages, involving actual practice in judging, evaluating, selecting, and telling stories for children. Offered in Summer Session only.

**3211x. The Curriculum for the First Three Grades.** Cr. 2. S. Prerequisite: Ed. 236x and 237x or their equivalent. An abridgment of Ed. 3311x, including only the problems, aims, objectives, activities, and methods incorporated in the curriculum of the first three grades. Offered in Summer Session only.

**421x. Education in the United States.** Cr. 2. S. Formerly 434. Prerequisite: Senior standing in Education. The origin and development of public elementary and secondary education. Similar to 431x with less collateral readings. Offered in Summer Session only.

**423x. School Publicity.** Cr. 2. S. Formerly 437. Prerequisite: Junior or senior standing in Education. The aims and underlying principles of school publicity, organization of publicity, media of approach to the public, and appraisal of publicity program. Similar to 433x except that less extensive treatment is given to topics covered. Offered in Summer Session only.

**424x. The Supervision of Instruction.** Cr. 2. S. Formerly 438. Prerequisite: Junior or senior standing in Education. Designed to give prospective principals, superintendent, supervisors, and teachers an understanding of the organization and technique of supervision. Similar to 434x except that less intensive treatment is given to topics covered. Offered in Summer Session only.

**425x. Extra-Curricular Activities.** Cr. 2. S. Prerequisite: Junior standing in Education. Objectives and values of extra-curricular activities. Classification of activities and participation of pupils; faculty sponsors and school control. Offered in Summer Session only.

**426x. The Curriculum.** Cr. 2. S. Formerly 435. Prerequisite: Senior standing or consent of instructor. Curriculum reconstruction in the light of recent investigations; the fundamental bases of the curriculum; the relation of curricular and extra-curricular activities. Offered in Summer Session only.

**429x. Techniques of Curriculum Construction.** Cr. 2. S. Prerequisite: Senior standing or consent of instructor. Planning the curriculum; procedures in its development; the relation of courses of study to curriculum construction; type of materials; grade placement and time allotment; adaptation of work to the Texas revision movement.

**439x. Curriculum Revision in Spanish.** See Spanish 439x. Credit allowed either in Spanish or Education.

**526x. Guidance Problems.** Cr. 2. S. Formerly 536 or 536x. Prerequisite: Graduate standing in Education. An extension of Ed. 326x with an opportunity to work out specific problems in guidance. Offered in Summer Session only.

**527x. Advanced Methods in Classroom Testing.** Cr. 2. S. Formerly 537, 537x. Prerequisite: Graduate standing in Education. The theory of testing as related to teaching method. The method of unifying subject matter and teaching procedure in the classroom by means of tests. Testing as a method of teaching. Full use made of actual test making in typical school subjects.

**530x. Research.** Cr. 3. S. Formerly 530. Prerequisite: Graduate standing in Education. Investigation of special problems in education selected in conference with the instructor. Offered in Summer Session only.

#### SUMMER SESSION PSYCHOLOGY COURSES

Psychology courses offered in the Summer Session only. Such of the Long Session courses as are demanded may also be offered in the Summer Session.

**321x. Child Psychology.** Cr. 2. S. Prerequisite: Three hours in Psychology and junior standing. An abridgment of Psy 331x which deals particularly with the primary-kindergarten child. Offered in Summer Session only.

**322x. Advanced Educational Psychology.** Cr. 2. S. Formerly 332. Prerequisite: Psy. 231x or its equivalent, and junior standing. The psychological processes in detail which have to do with school room situations such as laws and principles of learning, how to study effectively, transfer of training, problems of heredity, individual differences, and measurements of intelligence. Offered in Summer Session only.

**323x. Measurements in Education.** Cr. 2. S. Prerequisite: Junior standing in Education. The place of measurement in the teaching process; the development of standardized tests; the measurement of results in the teaching of the various school subjects; statistical methods in treating educational data. Offered in Summer Session only.

**325x. The Psychology of Adolescence.** Cr. 2. S. Formerly 335. Prerequisite: Three hours in Psychology. The interpretation of adolescent behavior on the basis of the developmental changes of the period. The important physical, mental, and moral changes natural to adolescence. Of special interest to all who deal with boys and girls of high school age. Offered in Summer Session only.

Courses in this department which may be taken for graduate credit are: Ed. 320x, 321x, 3210x, 3211x, 322x, 326x, 327x, 331x, 332x, 3311x, 3313x, 337x, 338x, 339x, 421x, 422x, 423x, 424x, 425x, 426x, 428x, 430x, 431x, 432x, 433x, 434x, 436x, 526x, 527x; Psy. 321x, 323x, 331x, 332x, 333x, 335x, 337x, 431x, 432x.

## DEPARTMENT OF ENGLISH

PROFESSORS CARTER, DOAK, GATES, MILLS, SMALLWOOD. ASSOCIATE PROFESSORS CUNNINGHAM, FOWLER, McGEE, MURPHY, STROUT. ASSISTANT PROFESSORS ALLEN, CRAIN, HORNE. INSTRUCTORS ALLEN, BRITAIN, GILL, HORN, MOUNTJOY\*, TEAGUE. PART-TIME INSTRUCTOR MICHIE.\*

The courses in elementary composition (required of all students) are designed to afford the necessary practice and training in writing for students in the four major divisions of the College: Agriculture, Arts and Sciences, Engineering, and Home Economics. Advanced courses in literature and in language are available for those students who wish to provide themselves with broader background, to continue with graduate study, or to teach English.

Elementary composition (English 131x-2x), without itself becoming specialized, gives training indispensable for specialized or professional writing. By means of readings, lectures, tests, and themes it trains toward clear thinking, correct and effective language, and correct manuscript. The advanced courses in writing (3311x, 530x, and 3312x) afford the student a rather detailed view of the structure and form of approved usage, together with an opportunity for much individual practice in writing letters, articles, stories, and reports.

English 231x-2x (Introduction to the Study of Literature) is required of all sophomore students in the Divisions of Arts and Sciences and Home Economics. A special course (English 233x) is required of all sophomore engineering students; this course combines a study of several masterpieces of English literature and considerable practice in technical writing. In the Division of Agriculture, English 234x (required of all sophomores) offers abundant practice in composition on subjects related to the special interest of students in Agriculture.

Advanced courses required for an English major include the History of the English Language, Chaucer and Shakespeare (332x, 330x, and 432x); one course in Spenser, Milton, Romanticism, or English Poets of the Nineteenth Century; and four closely related courses largely within one of these fields: language, drama, fiction, and American literature.

Each student following an English major is strongly urged to pursue work in a foreign language and literature. Other subjects which may be effectively correlated with an English major are Speech, History, and Journalism.

## PROGRAM OF GRADUATE STUDY

The following courses are prescribed as fundamental in a program of graduate English: Old English, Beowulf, Chaucer (331x), Shakespeare Criticism, Romanticism (436x), Outline of American Literary History.

Approved undergraduate courses may be substituted upon the advice of the head of the department, for certain of the prescribed courses.

## ENGLISH

**131x-2x. Freshman Composition.** Cr. 3. Each, I and II. Formerly 131-2-3. Prerequisite for all other courses in English. Essentials of correctness and effectiveness in general writing. Text studies, lectures, readings, tests, themes.

\*1934-35.

**231x-2x. Introduction to Literature.** Cr. 3. Each, I and II. Formerly 231-2-3. Prerequisite for all English courses above sophomore level. Lectures, readings, themes, and quizzes. The masterpieces of English and American literature. In the first semester the drama and the novel; in the second, the short story and poetry.

**233x. Technical Writing.** Cr. 3. I, II. Formerly 2310-11-12. Required of sophomore Engineering students. Weekly themes, with considerable reading in standard English literature.

**234x. Special Work on Correct Usage.** Cr. 3. I, II. Formerly 2213-14. Required of sophomores in the Division of Agriculture. Themes, reports, and much practical experience in writing.

#### Statement of Prerequisites

The foundation courses of the first two years (English 131x-2x and English 231x-2x or their equivalents) are the general prerequisites to the courses which follow.

All courses except those indicated as not given in 1935-36 or taught in the Summer Session only, may be offered either semester.

**330x. Chaucer.** Cr. 3. Formerly 330. The prologue, tales, and lyrics, with some consideration of Chaucer's age, art, and sources. Texts: MacCracken, *The College Chaucer*; Coulton, *Chaucer and His England*. Given in 1935-36.

**331x. Chaucer: The Longer Poems.** Cr. 3. Formerly 550. The theme, sources, and language of Chaucer's *Troilus*. Not given in 1935-36.

**332x. History of the English Language.** Cr. 3. Formerly 332. The development of the English language from the beginnings, with special reference to the use of English in America. Texts: Jespersen, *Growth and Structure of the English Language*; Fowler, *A Dictionary of Modern English Usage*.

**334x. American Drama: From the Beginning to 1865.** Cr. 3. Formerly 334. Amateur performances of the frontier, professional companies, geographical expansion of the theater, native playwrights and plays, with emphasis on American scene and theme.

**335x. American Drama: 1865 to the Present.** Cr. 3. Formerly 335. Dominance of theatrical centers, rise of the star system, stage movements, community organizations, individual playwrights, and specific tendencies in dramatic composition.

**336x. The Augustan Age.** Cr. 3. Formerly 4392. Dryden and Pope. The poetry of Gay, Swift, Defoe, Ambrose Phillips, Nicholas Rowe, Parnell, Prior, Tickell, and others. Lectures, class discussions, and written reports.

**337x. Grammar for Speech.** Cr. 3. Formerly 337. Inflectional forms, sentence structure, and principles of English grammar that may be useful in other languages. Text: Kittredge and Farley, *Advanced English Grammar*.

**338x. American Poetry: Bradstreet to Whitman.** Cr. 3. Formerly 338 and 339. Interpretation of the most representative poems, classification as to type and theme, distinguishing quality and style of the individual writer, drill in forms, metrics, and figures. Text: Page, *Chief American Poets*.

**339x. American Poetry: Emily Dickinson to the Present.** Cr. 3. Formerly 3390. Trends, movements, and individual influences. The best poems of significant writers analyzed and appraised. Text: Untermeyer, *Modern American Poetry*.

**3310x. The Teaching of English in the High School.** Cr. 3. S. Formerly 3310. Prerequisite: Eng. 231x-2x and junior standing in Education. Effective methods; problems commonly found in the teaching of English in the high school. Class-room practice and demonstration. Text: Thomas, *The Teaching of English in the Secondary School*.

**3311x. English in Business Practice.** Cr. 3. Formerly 3311. Principles of English composition embodied in the best business practice. Text: Babenroth, *Modern Business English*.

**3312x. Advanced Composition.** Cr. 3. Formerly 3371. Prerequisite: Credit for freshman English with a grade as high as B, and for sophomore English. A study for forcefulness and grace as well as for correctness. Each student chooses his kind of composition, and may do for this course papers to be submitted in other courses.

**3313x. Contemporary English Poetry.** Cr. 3. Formerly 3391. Masefield, Dowson, Flecker, Brooke, Hardy, and others.

**3314x. Biblical Literature.** Cr. 3. Formerly 236. The influence of the Bible upon English literature, with special reference to Shakespeare, Milton, Browning, and a few outstanding contemporary poets of England and America. Texts: Cunliffe and Battenhouse, *Century Readings in the Bible*.

**430x. Elizabethan Drama.** Cr. 3. Formerly 430. The plays of Dekker, Heywood, Chapman, Jonson, Middleton, Marston, Beaumont and Fletcher, Webster, Massinger, Ford and Shirley in relation to the literary fashions of the period. Text: Schelling, *Typical Elizabethan Plays*.

**431x. Restoration and Eighteenth Century Drama.** Cr. 3. Formerly 431. Representative plays. Dryden, Otway, Congreve, Farquhar, Goldsmith, and Sheridan. Sentimental comedy, bourgeois tragedy, comedy of manner, ballad opera, and other dramatic types. Text: Stevens, *Types of English Drama*.

**432x. Shakespeare and the Background.** Cr. 3. Formerly 432. A close reading of several representative plays written before 1600: *Richard III*, *Romeo and Juliet*, *Much Ado About Nothing*, *Twelfth Night*. Text: Craig, *Shakespeare*.

**433x. Shakespeare Criticism.** Cr. 3. Formerly 433. A review of the more substantial contributions in Shakespeare criticism from Jonson to Chambers, together with the reading of *Julius Caesar*, *Measure for Measure*, *Hamlet*, *Othello*, and *Cymbeline*. Text: D. Nichol Smith, *Shakespeare Criticism*.

**434x. Milton.** Cr. 3. Formerly 434. Milton's prose and poetry; the sources, structure and metrical characteristics of *Paradise Lost*, and its place in English poetry. Text: Moody, *Milton's Complete Poems*.

**435x. English Romanticism.** Cr. 3. Formerly 435. Pre-Romantic literature; the poetry and poetic principles of Wordsworth and Coleridge. Text: Woods, *English Poetry and Prose of the Romantic Movement*.

**436x. English Romanticism.** Cr. 3. Formerly 436. The poetry of Scott, Shelley, Keats, and Byron; biography and background. Text: Woods, *English Poetry and Prose of the Romantic Movement*.

**437x. Pre-Shakespearean Drama.** Cr. 3. Formerly 437. The development of comedy, tragedy, and chronicle history from early types of drama in England. The plays of Lyly, Peele, Greene, Kyd, and Marlowe. Text: Manly, *Pre-Shakespearean Drama*. Given in 1935-36.

**438x. Nineteenth Century English Prose.** Cr. 3. Formerly 438. A critical study based upon selected works of masters of modern English prose—Hazlitt, Macaulay, Lamb, DeQuincey, Carlyle, Ruskin, Arnold, and Newman. Text: Alden, *Readings in English Prose in the Nineteenth Century*.

**439x. Contemporary Drama: Ibsen to Shaw.** Cr. 3. Formerly 439. The dramatic works of Ibsen, Strindberg, Tolstoy, Chekhov, Hauptmann, Wedekind, Becque, Hervieu, Maeterlinck, Galsworthy, Barrie, and Shaw.

**4310x. English Poets of the Nineteenth Century.** Cr. 3. Formerly 4391. Extensive reading in the poetry of Tennyson, Browning, E. B. Browning, and Matthew Arnold. Class discussions supplemented by lectures and by student reports.

**4311x. English Poets of the Nineteenth Century.** Cr. 3. Formerly 4390. Continuation of Eng. 4310x. Eng. 4310x not a prerequisite. Selected reading from the poetry of D. G. Rossetti, Christina Rossetti, William Morris, Swinburne, Meredith, and a large group of minor poets down to Thomas Hardy. Lectures, class discussions, and written reports.

**4312x. The Age of Johnson: Johnson and His Circle.** Cr. 3. Formerly 4393. English literature from 1740 to 1798, exclusive of the novel. An introduction to Dr. Johnson, Boswell, Goldsmith, Burke, and their circle. Pre-Romanticists.

**4313x. Literary Biography.** Cr. 3. Formerly 4394. The biographical works of Cellini, Pepys, Boswell, Franklin, Strachey, and Bradford, as they reflect the social and political conditions, the art, the science, and the literature of their times. Text: Metcalf, *The Stream of English Biography*.

**530x. The Contemporary Short Story.** Cr. 3. Formerly 530. Short stories by Cobb, Conrad, Dreiser, Galsworthy, Mansfield, Steele, Dobie, Walpole, Wells, Tarkington, and others. The short story from a structural point of view, with special attention to students who desire practice in writing the form. Text: Robinson, *Contemporary Short Story*.

**531x. The American Novel.** Cr. 3. Formerly 531. American fiction to Dreiser. Historical background. Selected works of Howells, James, Garland, Wharton, Lewis, Bromfield, Cather, Rolvaag, and Peterkin.

**532x. The English Novel: Lyly to Scott.** Cr. 3. Formerly 532. Lectures on the development of the English novel; reading of such works as *Moll Flanders*, *Pamela*, *Joseph Andrews*, *Humphrey Clinker*, *The Castle of Otranto*, *Pride and Prejudice*, and *Guy Ramaning*.

**533x. Types of English and Foreign Fiction: 1825 to 1910.** Cr. 3. Formerly 533. The novels of Dickens, Thackeray, Emily Bronte, and Hardy; significant examples from foreign fiction.

**534x. Old English.** Cr. 3. Formerly 534. The phonology and morphology of Old English. Text: Flom, *Old English Grammar and Reader*.

**535x. Beowulf.** Cr. 3. Formerly 535. A close reading of the Wyatt and Chambers edition of the *Beowulf*. Supplementary text: Lawrence, *Beowulf and Epic tradition*.

**536x. Outline of American Literary History: 1608 to the Present.** Cr. 3. Formerly 630 and 631. Orientation. Chronology, literary types, sectional movements, and foreign influences. Primarily for graduates and for undergraduates with an English major, especially those who intend to teach English in high school.

**537x. Spenser.** Cr. 3. Formerly 537. The shorter poems, and selected cantos of *The Faerie Queene*; incidental interpretation of allegory in the poem. Text: *The Cambridge Spenser*. Given in 1935-36.

**5310x. The Structure of the Novel.** Cr. 3. Formerly 5330. The elements of the novel. The principles of craftsmanship which make for effective fiction.

Courses in this department which may be taken for graduate credit are: 331x, 332x, 334x, 336x, 337x, 339x, 3313x, 430x, 431x, 432, 433x, 434x, 435x, 436x, 437x, 439x, 4310x, 530x, 531x, 534x, 535x, 536x, 537x, 5310x.

## JOURNALISM

Sophomore standing is prerequisite for any course in journalism.

Students majoring in journalism, in addition to meeting the requirements for a Bachelor of Arts degree are required to complete 30 hours in journalism, and 20 hours in sophomore, junior, and senior courses in some of the following subjects: economics, English, government, history, psychology, romance languages, and sociology.



Journalism majors are urged to take typewriting during the freshman year.

The work in journalism is designed to give a thorough training in the technique of journalistic writing, a knowledge of the development of American journalism, and an understanding of those principles which underlie the most approved journalistic practice.

Much practice in news gathering, writing, and editing will be given. The college print shop and the student publications will be used as laboratories in advertising, make-up, and reporting. Assignments will be given on The Toreador, the college news service, the local and state press.

**231x. Newspaper Reporting and Writing.** Cr. 3. I. Formerly 234-5. An introduction to journalism; the problems and methods of gathering and writing news. Text: Macdougall, Reporting for Beginners.

**232x. Copyreading and Headline Writing.** Cr. 3. II. Formerly 236. Practice in copyreading and headline writing; newspaper style, make-up, and illustrations. Text: Bastian, Editing the Day's News.

**330x. Typography.** Cr. 3. Mechanics of printing and publishing, choice of type and its arrangement, engravings, the assembling of engravings and type, the make-up of newspaper, magazine, and book pages, and the typography of advertisements. Harmonious relationship between type, paper, ink, and engravings. Plates and plate making, duplicating processes and presses. Given in alternate years; not given in 1935-36.

**331x. Special Feature Articles.** Cr. 3. I. The feature article, with regard to field, subject material, appeal and purpose, type and style. Text: Harrington, Chats on Feature Writing.

**332x. Magazine Article Writing.** Cr. 3. II. Technique and procedure in writing for current magazines; what to write about, where and how to get facts, and how to arrange them; preparation of the whole article; study of markets. Text: Brennecke & Clark, Magazine Article Writing. Given in alternate years; given in 1935-36.

**333x. Problems of the Community Newspaper.** Cr. 3. I. Problems of the weekly and small daily newspaper; organization, sources of income and expenditure, advertising and circulation, news services, salaries and wages; unions, publishers' associations, and general business problems. Text: Brown, Business Problems of the Newspapers.

**335x. History of American Journalism.** Cr. 3. II. The origin and growth of the American newspaper from the colonial sheet to the metropolitan journal of today; biographical study of American journalists; individual study and research. Text: Bleyer, The History of American Journalism.

**336x. Advanced Reporting.** Cr. 3. (1-6). I. Consideration of news, news sources, news values, newspaper style, and the writing of various types of news stories. Assignments on the college newspaper, college publicity service, local and state press. Text: Carl N. Warren, News Reporting.

**337x. Advanced Reporting.** Cr. 3. II. Continuation of 336x.

**430x. Principles of Journalism.** Cr. 3. II. The freedom of the press, the ethics of magazine and newspaper publication, the relation of the press to society, and the law of libel. Texts: Crawford, The Ethics of Journalism; Arthur and Crosman, The Law of Newspapers. Given in alternate years; given in 1935-36.

**431x. Critical Writing.** Cr. 3. I. Formerly 540. Journalistic criticism, including painting, music, plays and motion pictures, literature, and other forms of art. For students seeking general culture as well as for those preparing for newspaper departmental work.



**432x. High School Publications.** Cr. 3. S. The problems confronted by a publications supervisor in organizing and maintaining high school newspapers and yearbooks, functions of high school publications, organization and training of the staff, and editorial and business problems. Text: Greenawalt, *School Press Management*.

**434x. Editorial Writing.** Cr. 3. I. Theory and practice of editorial writing; the types of editorials, with analysis of style, content, and purpose; technique and much practice.

**435x. Principles of Advertising.** Cr. 3. I. Relation of advertising to business activity. Campaigns, media, appropriations, rate structure, advertising services, records, advertising agencies. The relation of advertising to journalism. Text: Hotchkiss, *An Outline of Advertising*.

**436x. Advertising Copy and Layout.** Cr. 3. II. Practice in writing various types of advertising copy; study of copy ideas, practice in layouts; discussion of problems of typographical reproduction. Text: Hotchkiss, *An Outline of Advertising*.

**English 530x. The Short Story.** (May be counted as a course in journalism.) For description see Department of English.

## DEPARTMENT OF FOREIGN LANGUAGES

PROFESSOR QUALIA. ASSOCIATE PROFESSORS HENNINGER, WHATLEY. ASSISTANT PROFESSORS DINGUS, GATES, STREHLI.  
INSTRUCTOR COOK.

The Department of Foreign Languages offers instruction in German, French, Spanish, and Latin. The courses in German and Latin are specifically service courses, two year's work being offered for students majoring in the sciences or for those expecting to do graduate work in scientific fields. Instruction is given both in the language and literature of Spain and Spanish America. Courses in the Spanish language and literature leading to the Bachelor of Arts and Master of Arts degrees are offered.

Students following a Spanish major are strongly urged to pursue work in another foreign language and in English. Other subjects which may be effectively combined with a Spanish major are Speech, History, and Journalism.

### SPANISH

Students majoring in Spanish must offer 36 semester hours, if they satisfy the language requirement for a degree in the same language. Students are urged to satisfy their foreign language requirement in another language, however. In this case, 24 semester hours of Spanish are sufficient for a major. Those expecting to major in Spanish should consult with the Head of the Department.

**131x-2x. A Beginning Course in Spanish.** Cr. 3. I and II. Formerly 131-2-3. Grammar, reading, and conversation.

**231x-2x. Grammar, Reading, Composition and Conversation.** Cr. 3. I and II. Formerly 231-2-3. Prerequisite: Spanish 131x-2x, or two units of high school Spanish.

**331x-2x. Contemporary Literature.** Cr. 3. I and II. Formerly 331-2-3. Prerequisite: Spanish 231x-2x, or three or four units of high school Spanish. Spanish literature from the beginning of the Romantic movement to the present. Reading of representative novels, dramas, and lyrics. Collateral readings and composition based on readings. Conducted chiefly in Spanish. Spanish 331x-2x and Spanish 333x-4x may not both be counted towards a degree.

**333x-4x. Commercial Spanish.** Cr. 3. I and II. Formerly 334-5-6. Prerequisite: Spanish 231x-2x, or three or four units of high school Spanish. The history, geography, literature, customs, and economic conditions of Spanish-American countries. Commercial and scientific Spanish and correspondence. Conducted in Spanish. Does not satisfy the prerequisite for courses in Spanish literature. Spanish 331x-2x and Spanish 333x-4x may not both be counted towards a degree.

**431x-2x. The Modern Novel.** Cr. 3. I and II. Formerly 431-2-3. Prerequisite: Spanish 331x-2x or its equivalent. Certain nineteenth century novels representing the various tendencies and regions. Lectures. Written reports. Conducted chiefly in Spanish. Given in alternate years; not given in 1935-36.

**433x-4x. The Modern Drama.** Cr. 3. I and II. Formerly 434-5-6. Prerequisite: Spanish 331x-2x or its equivalent. The drama from the Romantic movement to the present. Conducted chiefly in Spanish. Given in alternate years; given in 1935-36.

**435x. Teachers' Course in Methods of Teaching Spanish.** Cr. 3. S. Formerly 437. Prerequisite: Spanish 331x-2x and one year of Education. Preparation for teaching Spanish in high school. Scientific and practical methods with as much practice work as possible.

**436x-7x. Advanced Grammar, Composition, and Style.** Cr. 3. S. Formerly 4310-11-12. Prerequisite: Spanish 331x-2x, or its equivalent. Recommended for those who intend to teach Spanish.

**438x. The Drama before Lope De Vega.** Cr. 3. Prerequisite: Spanish 331x-2x or the equivalent. The development of drama in Spain from medieval times to Lope; emphasis on the immediate predecessors of Lope. Given at intervals.

**4310x-11x. Spanish Civilization.** Cr. 3. Prerequisite: Spanish 331x-2x or the equivalent. An outline study of the various phases of Hispanic civilization: history, arts, language, literature. Given at intervals.

**531x-2x. The Prose of the Golden Age.** Cr. 3. I and II. Formerly 531-2-3. Prerequisite: Spanish 331x-2x. The important prose writers from 1499 to 1650. Reading of representative works, lectures, collateral reading, and reports. Conducted chiefly in Spanish. Given in alternate years; not given in 1935-36.

**533x-4x. The Drama of the Golden Age.** Cr. 3. I and II. Formerly 434-5-6. Prerequisite: Spanish 331x-2x or its equivalent. The drama of the seventeenth century. Reading of representative plays; lectures, discussion, collateral reading and reports. Conducted chiefly in Spanish. Given in alternate years; given in 1935-36.

**535x-6x. A Survey of Spanish Literature.** Cr. 3. I and II. Formerly 537-8-9. Prerequisite: Spanish 331x-2x. The history of Spanish literature from the twelfth to the nineteenth century. Emphasis upon the principal movements and the works of outstanding writers. Readings, lectures, and written reports. Conducted chiefly in Spanish. Especially recommended for students who expect to teach Spanish.

**537x. Contemporary Drama.** Cr. 3. Prerequisite: Spanish 331x-2x or the equivalent. Intensive study of some representative dramas of living authors and rapid reading of others. Written reports. Given at intervals.

**538x. Introduction to the Study of the Epic Literature of Spain.** Cr. 3. Prerequisite: Spanish 331x-2x or the equivalent. A study of the epic and the ballad. Given at intervals.

**539x. Contemporary Spanish Novel.** Cr. 3. Prerequisite: Spanish 331x-2x or the equivalent. Intensive study of some representative novels of living authors and rapid reading of others. Written reports. Given at intervals.

## FRENCH

**131x-2x. A Beginning Course in French.** Cr. 3. I and II. Formerly 131-2-3. Grammar, reading, and oral practice.

**231x-2x. A Reading Course in French.** Cr. 3. I and II. Formerly 231-2-3. Prerequisite: French 131x-2x, or two units of high school French.

**233x-4x. Scientific French.** Cr. 3. I and II. Prerequisite: French 131x-2x, or two years of high school French or the equivalent. The reading of specially prepared scientific texts in French with grammar review to assist in the interpretation. For pre-medical and science students in general.

**331x-2x. A Rapid Reading Course.** Cr. 3. I and II. Prerequisite: French 231x-2x or 233x-4x, or the equivalent. For third-year science students and others who wish to acquire facility and ease in reading modern French. Enough grammar and composition to build a solid foundation.

## GERMAN

**131x-2x. A Beginning Course in German.** Cr. 3. I and II. Formerly 131-2-3. Grammar, reading, and oral practice.

**231x-2x. A Reading Course in German.** Cr. 3. I and II. Formerly 231-2-3. Prerequisite: German 131x-2x, or two units of high school German or the equivalent. Reading of standard literary texts. Grammar review with oral and written practice.

**233x-4x. Scientific German.** Cr. 3. I and II. Formerly 234-5-6. Prerequisite: German 131x-2x, or two years of high school German or the equivalent. The reading of specially prepared scientific texts in German with grammar review to assist in the interpretation. For pre-medical and science students in general.

## LATIN

A student credited with four admission units in Latin should take Latin 233x-4x. Such a student, on completing the work of 233x-4x with an average of B, will be given degree credit for four semester hours in addition to the value of Latin 233x-4x, in case the total number of his admission credits is at least sixteen; for two semester hours, if the total number is fifteen and a half.

Students taking Latin 133x may, by special arrangement with the department, use this course in partially satisfying the degree requirements in foreign languages.

**111x-2x. Writing Course.** Cr. 1. I and II. Formerly 111-2-3. Required of all students wishing the recommendation of the department as teachers of Latin. Strongly recommended for all students taking Latin 231x-2x or 233x-4x.

**131x-2x. A Beginning Course in Latin.** Cr. 3. I and II. Formerly 131-2-3. Forms, word formation, the fundamentals of syntax, and easy reading. Especially recommended for students preparing for law or medicine, as well as for those electing Latin for degree requirements.

**133x. Latin Terminology.** Cr. 3. I. Practical Latin especially for students majoring in scientific or professional courses who have had no Latin. The minimum essentials of Latin grammar; emphasis on word analysis by study of root words, prefixes and suffixes. Word lists, charts, and myths relating to special subjects.

**231x-2x. Reading and Composition.** Cr. 3. I and II. Formerly 231-2-3. Prerequisite: Two units of high school Latin. Selections from Caesar, Cicero, and Virgil. A review of Latin grammar; informal instruction in mythology and antiquities.

**233x-4x. Cicero's De Senectute and De Amicitia, The Phormio of Terence, and The Odes of Horace.** Cr. 3. I and II. Formerly 234-5-6. Prerequisite: Latin 231x-2x, or four units of high school Latin.

**331x-2x. Junior Reading.** Cr. 3. I and II. Prerequisite: Latin 231x-2x or four years of high school Latin. Authors read vary from year to year. Given in alternate years; not given in 1935-36.

**333x-4x. Senior Reading.** Cr. 3. I and II. Prerequisite: To be determined by the instructor. Given in alternate years; given in 1935-36.

## DEPARTMENT OF GEOLOGY AND GEOLOGICAL ENGINEERING

PROFESSOR PATTON. ASSOCIATE PROFESSORS ROBINSON, STAINBROOK. ASSISTANT PROFESSOR SIDWELL.

The work of the Department of Geology is planned for those who desire a general knowledge of geology for cultural purposes, for those selecting geology to be used in fulfilling general science requirements, and especially for those students desiring preparation for professional work in geology. Courses above sophomore year are all professional courses.

Students who desire to prepare themselves to enter professional work in geology may take either the course of study in Geological Engineering offered by the Division of Engineering, or that leading to the degree of Bachelor of Science, Geology Major, offered by the Division of Arts and Sciences. The instruction in Geology is identical in both cases. In the Geological Engineering curriculum, shown under **Division of Engineering**, training in geology is accompanied by thorough instruction in fundamental engineering subjects. In the curriculum leading to the degree of Bachelor of Science, Geology Major, shown under **Division of Arts and Sciences**, emphasis is placed upon general training in other sciences as well as specialization in geology.

Courses numbered 333x and above are for advanced undergraduates. Courses numbered 511x and above are primarily for graduate students.

**121x. Principles of Geology.** Cr. 2. I, II. Important principles of geology. History of the earth and its inhabitants. For students desiring a brief course in geology for cultural purposes only. Not accepted as fulfillment of science requirement.

**131x-2x. General Geology.** Cr. 3 (2-3). I and II. Formerly 131-2-3. Physical and historical geology. Present day geologic processes followed by applications of these principles to the interpretation of the geologic record. A foundation course for further work in geology. May also serve for cultural purposes.

**133x. Principles of Geology with Laboratory Work.** Cr. 3 (2-3). I. Lectures of Geology 121x with selected laboratory exercises from Geology 131x-2x. To be followed by Physics 137x to make a year's science credit for students taking a major in the Departments of Music and Speech.

**231x-2x. Mineralogy.** Cr. 3 (2-3). I and II. Formerly 231-2-3. Prerequisite: Preceded or accompanied by Chem. 131x-2x. Principles of crystallography; methods of identifications of minerals; blowpipe analysis; occurrence and properties of minerals.

**233x. General Geology for Engineers.** Cr. 3 (2-3). I. Formerly 332-3, or 332x. Similar to Geol. 131x-2x but a shorter course and adapted to the special needs of Engineering students other than Geological Engineering students; especially for students in Civil Engineering.

**311x. Prospecting.** Cr. 1. II. Prerequisite: Geol. 131x-2x and 231x-2x. The characteristic associations of valuable earth materials and their concentration to form valuable deposits. A statement of field methods and a prelimi-

nary study in making reconnaissance surveys in search for minerals. Special reference to the search for placer gold and for petroleum bearing lands. Given only on sufficient demand.

**322x. Geologic Mapping.** Cr. 2. I. Formerly 330. Prerequisite: C. E. 220x or C. E. 231x-2x. Methods of using the surveying aneroid, hand level, clinometer, Brunton compass, hand transit, telescopic alidade; plane table methods as applied to geologic surveys; making of topographic and structure contour maps. Field work entirely.

**333x. Petrology: Optical Mineralogy.** Cr. 3 (1-6). I. Formerly 334 and ½ 335. Prerequisite: Geol. 131x-2x and 231x-2x. Principles and methods of study and identification of rock forming minerals by means of the petrographic microscope.

**334x. Petrology: Descriptive.** Cr. 3 (1-6). II. Formerly ½ 335 and 336. Prerequisite: Geol. 333x. Application of the principles of optical mineralogy to the study and identification of igneous rocks; principles of rock classifications and practice in both megascopic and microscopic classifications.

**335x-6x. General Paleontology.** Cr. 3 (2-3). I and II. Formerly 337-8-9. Prerequisite: Geol. 131x-2x and junior standing. The detailed structure, basis of classification, and geologic history of the various groups of invertebrates. The vertebrates and plants studied similarly, but less comprehensively.

**363x. Field Geology.** Cr. 6 (2-12). S. Formerly 294. Prerequisite: Geol. 131x-2x. Principles of stratigraphy, structural geology and methods of geological surveys. Given in the field. For further details see special announcements of the Department of Geology.

**411x-2x. Geology of Texas.** Cr. 1. I and II. Formerly 311-2-3 and 422x. Prerequisite: Twelve semester hours in Geology. Physical and historical geology of Texas.

**413x-4x. Seminar.** Cr. 1. I and II. Formerly 413-4-5 and 423x. Prerequisite: Junior or senior standing. Assigned readings, reports, and discussions of current geological problems.

**427x. Geophysics.** Cr. 2 (1-3). II. Theory and practice in methods of geophysical exploration including practical geophysical surveys. A cooperative course given by the Departments of Physics and Geology for properly qualified students of either department. Registration only on permission of the Heads of both Departments.

**431x-2x. Advanced General Geology.** Cr. 3. I and II. Formerly 431-2-3. Prerequisite: Geol. 131x-2x, 231x-2x, and 235x-6x. The outstanding problems in physical and historical geology. Readings in the original literature of each subject.

**433x. Structural Geology.** Cr. 3. I. Formerly 421-2-3. Prerequisite: Geol. 333x-4x and 335x-6x. Deformation and structures of rocks with special emphasis on the relation of these to economic problems.

**434x. Petroleum Geology.** Cr. 3. II. Formerly 424-5-6. Prerequisite: Geol. 433x. Problems of the origin and accumulation of oil deposits; assembling and interpretation of data bearing on problems peculiar to certain fields. For students expecting to engage in the exploration and development of oil fields.

**435x. Index Fossils.** Cr. 3 (1-6). I. Formerly 417-8-9. Prerequisite: Geol. 335x-6x. The stratigraphy and different horizon makers of the different systems with practice in making and identifying field collections.

**436x. Micropaleontology.** Cr. 3 (1-6). II. Formerly 427-8-9. Prerequisite: Geol. 335x-6x. Foraminifera and other microfossils of the oil bearing strata of Texas; methods of collection and preparation.

**511x-2x. Sedimentary Petrology.** Cr. 1 (0-1). I and II. Formerly 517-8-9. Prerequisite: Twenty-four hours in geology, including Geol. 333x-4x. To accompany Geol. 531x-2x. Application of the principles of petrology to the study of the mineral grains of sedimentary rocks and their identification under the petrographic microscope. Micro-chemical tests and use of index of refraction liquids.

**523x-4x. Sedimentation.** Cr. 2. I and II. Formerly 521-2-3. Prerequisite: Twenty-four semester hours in Geology, including Geol. 333x-4x, and preceded or accompanied by Geol. 511x-2x. Advanced investigation. The processes and results of sedimentation; analytic laboratory work in sediments. Special attention to subsurface methods. Occasional laboratory exercises substituted for lectures.

**535x-6x. Advanced Work in Specific Fields.** Credit varies. I and II. Formerly 441-2-3, 444-5-6, 447-8-9. Prerequisite: Twenty-four hours in Geology and senior or graduate standing. Course and credit to depend upon the preparation and needs of the student, and the work done. Registration only with the approval of the Head of the Department.

During the year 1934-35 the following courses were given under the above heading:

**A. Petroleum Production.** For students expecting to engage in petroleum production. A resume of the occurrence of petroleum, exploration methods, and acquisition of title to oil lands; detailed study of drilling equipment and methods, casing methods, fishing tools and methods, exclusion of water from the well, and finishing the well and controlling the output. Suggestions as to the recording of the above operations and the important laboratory tests such as those on porosity, grain size, permeability, mineral and fossil content of well samples, electrical coring, analysis of ground waters, and crooked hole surveys.

**B. Advanced Micropaleontology.** Foraminifera of different horizons with special emphasis on generic differences and determinations. Foraminifera from selected horizons. Study and correlation of well samples by means of foraminifera.

**C. Special Methods in the Technique of Making Thin Sections.** For advanced students in Botany who are preparing for research in Paleobotany. The technique of making thin sections of silicified wood for microscopic study of cells. Special methods of imbedding and sectionizing friable material such as lignite and similar materials.

## GEOGRAPHY

**131x-2x. Principles of Geography.** Cr. 3. I and II. Formerly 131-2-3. Geographic factors especially as they affect the activities of man. The geography of one of the continents taken up in detail second semester. Special emphasis upon relief, climates, development, industries, and communication.

**331x-2x. Resources and Industries of the World.** Cr. 3. I. and II. Non-laboratory. For Economics and Business Administration students. Types, distribution, and conservation of world resources; the factors that favor the development and distribution of industries.

The following courses in this department may be taken for graduate credit: Geol. 333x, 334x, 335x-6x, 363x, 422x, 423x, 431x-2x, 433x, 434x, 435x, 436x, 511x-2x, 523x-4x, 535x-6x.



## DEPARTMENT OF GOVERNMENT

PROFESSOR JACKSON. ASSOCIATE PROFESSORS OGDON, PENDER.  
ASSISTANT PROFESSOR J. W. JACKSON

The study of government aims to train and prepare men and women for responsible citizenship, intelligent voting, efficient public service, leadership in public affairs, the holding of public office, and the organization of public opinion.

Government 131x-2x or some other course in American government is required of all students. Government 131x-2x may be taken to satisfy the legal requirement for certification and graduation, and also to absolve a part of the catalogue social science requirement for graduation.

**131x. American Government, National.** Cr. 3. I; II. Formerly 131-2. A fundamental course. The constitution, principles, organization, and actual workings of the national government. Emphasis upon the duties and obligations of citizenship.

**132x. American Government, State.** Cr. 3. I, II. Formerly 133. The constitution and framework of the government of Texas; comparison with other state governments.

**231x. Introduction to Political Science.** Cr. 3. I. Formerly 234. Prerequisite: Sophomore standing. The origin, development, and functions of political institutions in connection with consideration of political theories.

**232x. Modern Governments.** Cr. 3. II. Formerly 235-6. Prerequisite: Sophomore standing. A comparative study and analysis of the constitutional organization of the governments of England, France, Switzerland, Germany, Russia, and other states to be selected.

**320x. American Government, National and State.** Cr. 2. I, II. Formerly 230 or 220x. An intensive study of American Government, both national and state. Work largely based upon the constitution of the United States and Texas. Primarily for technical students.

**325x-6x. Contemporary Problems.** Cr. 2. I and II. Prerequisite: Junior standing and one course in American government. A lecture course which deals with political conditions, problems, leaders, trends, and policies of America of today. Subjects such as the following are treated: The New Deal, party strategy and forthcoming elections, current legislation, state and local government reforms.

**331x. Local Government.** Cr. 3. I. Formerly 3311. Prerequisite: American Government. The machinery of city and county government; the forms—both new and old—of municipal government; inter-departmental relations and the relations of local governments to the state.

**332x. Local Administration.** Cr. 3. II. Formerly 3312, 3314. Prerequisite: American Government. The chief problems of present day local administration: special stress placed upon administration of Texas cities and counties.

**333x. American Political Parties, Party Development.** Cr. 3. I. Formerly 3351. Prerequisite: American Government. The origin and development of political parties in the United States. Given in alternate years; given in 1935-36.

**334x. American Political Parties, Party Analysis.** Cr. 3. II. Formerly 3352. Prerequisite: American Government. Party functions, organization, finance, campaign methods, and elections. Given in alternate years; given in 1935-36.

**335x. American Foreign Relations.** Cr. 3. I. The control and conduct of the relations of the United States with the outside world. Given in alternate years; not given in 1935-36.



**336x. American Diplomacy.** Cr. 3. II. Formerly 3371. Prerequisite: American Government. Foreign policies of the United States. Topical treatment. Given in alternate years; not given in 1935-36.

**431x-2x. American Constitutional Law.** Cr. 3. I and II. Formerly 4311-12-13. Prerequisite: American Government or American History. Interpretation of the Constitution of the United States based principally upon Supreme Court decisions. The leading cases in American constitutional law analyzed. Given in alternate years; given in 1935-36.

**433x-4x. American Political Ideas.** Cr. 3. I and II. Formerly 4321-22-23. Prerequisite: American Government or American History. The lives and ideas of leading political thinkers of the United States from the colonial period to the present. Given in alternate years; not given in 1935-36.

**435x-6x. International Law.** Cr. 3. I and II. Formerly 4331-32-33. Prerequisite: American Government or 6 consecutive semester hours of History. The fundamental principles of international law with special emphasis upon American interpretations and contributions. Given in alternate years; not given in 1935-36.

**437x. Political Geography.** Cr. 3. I. Formerly 4341-42. Prerequisite: Junior standing. Geographic factors in political problems and in the development of political institutions; the main problems of politics in their relation to world geography. Given in alternate years; given in 1935-36.

**438x. World Politics.** Cr. 3. II. Formerly 3391. Prerequisite: American Government or 6 consecutive hours in History. Problems and issues which have arisen in the family of nations; organizations and efforts to cope with these problems; the principles of international conduct. Given in alternate years; given in 1935-36.

**531x-2x. Readings and Research.** I and II. Formerly 431-2-3 and 531-2-3. Registration may be made at any time upon approval of the Head of the Department. For individual student needs. The number of semester hours determined by the amount, nature, and character of work done.

Courses in this department which may be taken for graduate credit are: Govt. 325x-6x, 331x, 332x, 333x, 334x, 335x, 336x, 431x-2x, 433x-4x, 435x-6x, 437x, 438x, 531x-2x.

## DEPARTMENT OF HISTORY AND ANTHROPOLOGY

PROFESSORS FORD, EAVES, HOLDEN, McKAY.

INSTRUCTORS MARTIG\*, VOLLBRECHT

This department offers courses designed to give a knowledge of the cultural aspirations of the past and of man's efforts to care for the material needs of society through certain economic structures and changing political organization. The origin and development of present day institutions receive major consideration.

Courses numbered under 300 are introductory and are intended for freshmen and sophomores; courses numbered 300 are advanced European history courses; courses numbered 400 are advanced American history courses; either of the last two series is open to students with junior standing or above. Each semester course may be regarded as an independent unit; however, the student should take courses in their regular sequence.

History 131x-2x and History 133x-4x are intended primarily for freshmen. Either course will serve as the prerequisite to History 231x-2x.

\*1934-35.

Students of junior standing, whose major subject is other than History, may, with the permission of the Head of the Department, elect courses in History without having done the prerequisite work required of History majors.

History majors will present for graduation at least five courses (thirty semester hours), three of which must be advanced work.

Advanced courses are given in alternate years. Because of this, the student majoring in History should begin planning his advanced courses at the earliest date practicable.

Students majoring in History should take History 131x-2x and History 231x-2x, before entering advanced courses.

History 131x-2x or junior standing is prerequisite for courses in Anthropology.

Field courses in archaeology are given in the summers.

### HISTORY

**131x-2x. History of Civilization.** Cr. 3. Each, I and II. Formerly 131-2-3. The rise of civilization in Egypt, Babylonia and Crete; its expansion to Western Europe through Greece and Rome; ancient religions and the beginning of Christianity; the medieval church; feudalism; the crusades; the Renaissance; the Protestant revolt; the rise of the modern state; the industrial revolution; the World War. First semester, prior to 476 A. D.; second semester, since 476 A. D. Open to all students.

**133x-4x. Economic and Political History of England.** Cr. 3. Each, I and II. Formerly 234-5-6. The legal, economic, and cultural development of the English people. Open to all students, but required of Pre-Law and Business Administration students. First semester, prior to 1603; second semester, since 1603.

**231x-2x. Economic and Political History of the United States.** Cr. 3. Each, I and II. Formerly 231-2-3. Prerequisite for Pre-Law and Business Administration students: 133x-4x; for History majors: either 131x-2x or 133x-4x. Discovery, colonization, colonial institutions, the Revolution, the Confederation, the Constitution, growth of nationalism, slavery, expansion, sectionalism, Civil War, Reconstruction, new industrial and social problems; domestic and foreign problems of modern America. First semester to 1829; second semester, 1829 to the present.

### STATEMENT OF PREREQUISITES

For students majoring in History, History 131x-2x and History 231x-2x are prerequisite for History courses numbered 300 and above. With the permission of the Head of the Department History 133x-4x may be substituted for 131x-2x.

Students with junior standing whose major subject is other than History may elect courses without having had the prerequisite.

**330x. Teaching of History in the High Schools.** Cr. 3. S. Formerly 530. Prerequisite: Twelve semester hours in History. Modern technique of teaching history in junior and senior high schools. Credited as either History or Education. Given in summer of 1936.

**331x-2x. History of Europe Through the Renaissance.** Cr. 3. I and II. Formerly 331-2-3. Greek civilization, Roman civilization, and the Renaissance; the background of modern European civilization. Given in alternate years; given in 1935-36.

**333x-4x. Modern Europe, 1492-1870.** Cr. 3. I and II. Formerly 334-5-6. The Reformation; the development of nationalism and enlightened despotism; the French Revolution and Napoleon; the Metternich system and the Revolution-

ary years of 1830 and 1848; the unification of Italy and the unification of Germany; the Franco-Prussian War. Given in alternate years; not given in 1935-36.

**335x. Contemporary Europe, from 1870 to the Present.** Cr. 3. S. Formerly 531-2. The external, diplomatic, nationalistic, and imperialistic aspects of contemporary European history culminating in the World War; the World War, its aftermath, and present-day Europe. Given in alternate summers; given in summer of 1936.

**336x-7x. Tudor and Stuart England.** Cr. 3. I and II. The establishment of a strong monarchy; the break with the Roman church; the rise of English sea power; the contest between king and parliament; civil war; the Commonwealth and the Restoration; supremacy of Parliament and England's early colonial policies. Given in alternate years; not given in 1935-36.

**338x-9x. Eighteenth and Nineteenth Century England.** Cr. 3. I and II. The rise of the cabinet; the fight for colonial supremacy; Whig versus Tory; the industrial revolution; the Napoleonic contest; the reforms in agriculture; the Irish question; the development of the British Commonwealth of Nations; the World War and subsequent problems. Given in alternate years; given in 1935-36.

**3310x. England before 1485.** Cr. 3. S. Early Britain; Anglo-Saxon England; the Norman conquest; English feudalism and early legal institutions; the Great Charter; the rise of Parliament; the Hundred Years War, and the War of Roses. Given in alternate summers; given in summer of 1936.

**430x. English Colonial America.** Cr. 3. S. Formerly 431-2-3. English explorations and early efforts at settlement; colonial beginnings in the South and in New England; the development of American institutions and culture; the rise of economic problems and the distinct colonial institutions. Given in alternate summers; not given in summer of 1936.

**431x-2x. History of Latin America.** Cr. 3. I and II. Formerly 337-8-9. Exploration, colonization, revolution, political development, social and economic problems, and Pan-American relations. Given in alternate years; not given in 1935-36.

**433x-4x. The American Revolution and Early Constitutional Development.** Cr. 3. I and II. Formerly 434-5-6. The causes and progress of the American Revolution; French aid; the Loyalists; English sentiment; finances; the Peace Treaty of 1783; the Confederation; formation and adoption of the Constitution; governmental organization; adoption of the early amendments. Given in alternate years; given in 1935-36.

**435x. History of American Diplomacy.** Cr. 3. S. Formerly 411-2-3. The diplomacy of the revolutionary, federalist and republican periods; the Monroe doctrine; the Mexican problems; Civil War diplomacy; the Caribbean policies; the World War. Given in alternate summers; not given in summer of 1936.

**436x-7x. History of the United States, 1789-1841.** Cr. 3. I and II. The federalist and republican periods; second war with Great Britain; the rise of nationalism and the Jacksonian era. Given in alternate years; given in 1935-36.

**438x-9x. History of Texas.** Cr. 3. I and II. Formerly 437-8-9. Exploration, colonization, revolution, the republic, statehood, expansion of the frontier across West Texas, and modern social and economic problems. Given in alternate years; given in 1935-36.

**4310x. Expansion of the United States.** Cr. 3. S. Formerly 330. A detailed study of the Peace Treaty of 1783; the purchase of Louisiana; acquisition of Florida; annexation of Texas; the Oregon controversy; the Mexican cession; the Gadsden Treaty; the purchase of Alaska; the acquisition of our insular possessions. Given in alternate summers; given in summer of 1936.

**4311x-12x. The Civil War and Reconstruction.** Cr. 3. I and II. Formerly 533-4-5. Economic, political, and social history of slavery in the United States; the old South; secession; the economic problems of the Civil War; the South after the war; reconstruction policies; radical rule and its overthrow; the disputed presidential election of 1876-1877. Given in alternate years; not given in 1935-36.

**4313x-14x. The United States since the Civil War.** Cr. 3. I and II. Formerly 536-7-8. Economic and social adjustments after the Civil War; the increase in manufacturing and creation of new industries; big business; tariff; Spanish-American War; Progressivism; the World War. Given in alternate years; not given in 1935-36.

**4315x. Constitutional Developments in Texas.** Cr. 3. S. Formerly 430. Constitution of the Republic of Texas; early statehood; the Civil War decade; formation and adoption of the Constitution of 1876; amendments and present tendencies. Given in alternate summers; given in summer of 1936.

**4316x-17x. The United States since the World War.** Cr. 3. I and II. A study of post-war agricultural problems; recent tariff legislation and world trade; war debts and present day diplomacy; the New Deal and current economic-political conditions and theories. Given in 1935-36.

**535x. The Technique of Research.** Cr. 3. I. S. Formerly 635. Prerequisite: Graduate or senior standing. Bibliography, sources, methods of gathering material, evaluation, elimination, assimilation, organization, and composition. Lectures, projects and readings. Open to senior History majors and required of all graduate students majoring in History.

#### ANTHROPOLOGY

**331x-2x. Anthropology.** Cr. 3. I and II. Formerly 331-2-3. Prerequisite: Hist. 131x-2x. Development of man from his origin; races; special reference to pre-historic races of North and Central America.

**334x. The American Indian.** Cr. 3. II. Prerequisite: Hist. 131x-2x. Customs, institutions, and contributions of the native races of America; their relations with the Anglo-Americans historically traced.

**336x-7x. Mexican Archaeology.** Cr. 3. S. Prerequisite: Permission of the instructor. A field course in Old Mexico. Lectures, reading, research, excavation, and visits to archaeological ruins in the vicinity of Mexico City. Given in alternate summers; given in summer of 1936.

**431x-2x. Field and Museum Technique.** Cr. 3. I and II. Formerly 431-2. Prerequisite: Permission of the instructor.

**433x-4x. Southwestern Archaeology.** Cr. 3. S. Formerly 434-5-6. Prerequisite: Permission of the instructor. A field course. Lectures, research and excavation. Given in alternate summers; not given in summer of 1936.

**438x-9x. North American Archaeology.** Cr. 3. S. Prerequisite: Permission of the instructor. A field course. Lectures, research, and excavation. Given in alternate summers; not given in summer of 1936.

#### GRADUATE WORK

Courses in this department which may be taken for graduate credit are:

Hist. 331x-2x, 333x-4x, 335x, 336x-7x, 338x-9x, 3310x, 430x, 431x-2x, 433x-4x, 435x, 436x-7x, 438x-9x, 4310x, 4311x-12x, 4313x-14x, 4315x, 4316x-17x; Anthro. 331x-2x, 334x, 336x-7x, 431x-2x, 433x-4x, 438x-9x.

## DEPARTMENT OF MATHEMATICS

PROFESSORS MICHIE, SPARKS, UNDERWOOD. ASSOCIATE PROFESSOR THOMPSON. ASSISTANT PROFESSORS HEINEMAN, LANGSTON. INSTRUCTORS CHRISTIANSON, REES.

The courses of instruction in this department are designed to give the student a working knowledge of mathematics, and to enable him to solve any of the ordinary problems which may arise in the study and pursuit of the engineering and scientific professions. They assist the student in developing the habit of self-criticism in thinking and writing. As one of the most ancient, and at the same time modern, practical and progressive of sciences, mathematics is an integral part of any general education.

The Department offers courses which fit into the curricula of the various divisions of the College, making modification and changes to meet the requirements of the particular divisions.

Courses numbered from 400x to 500x are advanced undergraduate courses. Those numbered from 500x to 532x, inclusive, are combined courses; those numbered 533x and above are graduate courses.

Students expecting to do graduate work in Mathematics should have completed Math. 335x-6x, Differential and Integral Calculus, and Math. 433x, Theory of Equations, together with the prerequisite to the courses. At least nine semester hours in Mathematics courses numbered above 336x are required for admission to candidacy for the master's degree in this department. It is important that a candidate for the degree plan his courses at the beginning of his graduate work. His advisor will aid him in selecting courses and a thesis subject.

In graduate or undergraduate work any scheduled course may be withdrawn when the demand does not justify its continuance.

**121x-2x. Algebra.** Cr. 2. I and II. Formerly 1311-12. Prerequisite: One and one-half units of high school algebra. Quadratic equations, variation, progressions, the binomial theorem, graphs, complex numbers, theory of equations, logarithms, partial fractions.

**123x. Popular Astronomy.** Cr. 2. Prerequisite: One unit of high school algebra and one unit of plane geometry. The solar system and stellar universe. A non-mathematical cultural course.

**130x. Algebra.** Cr. 3. I and II. Formerly 130 and half of 131. Prerequisite: Two units of high school algebra and one unit of plane geometry. Review of high school algebra, quadratic equations, variation, progressions, graphs, binomial theorem.

**131x. Trigonometry.** Cr. 3. I, II. Formerly 132 and first half of 133, also 1310 and first half of 1313. Prerequisite: One unit of high school algebra and one unit of plane geometry. Trigonometric functions, identities, and conditional equations, circular measure, logarithms, solutions of triangles.

**132x. Analytics.** Cr. 3. I, II. Formerly second half of 133 and all of 231, also last half of 1313 and all of 2321. Prerequisite: Math. 131x. The straight line and conic sections, transformation of coordinates, polar coordinates, higher plane curves.

**135x. Mathematics for Home Economics Students.** Cr. 3. I, II. Formerly 1300, with additional material. Selected topics from arithmetic, algebra, business mathematics, statistics, with special applications to the problems arising in home economics.

**137x. Commercial Algebra.** Cr. 3. I, II. Prerequisite: One unit of high school algebra and one unit of plane geometry. Review of high school algebra with applications to commercial problems, simple equations, exponents, radicals, quadratics, progressions, binomial theorem, graphs, logarithms.

- 138x. Mathematics of Finance.** Cr. 3. I, II. Formerly 237 and 238. Prerequisite: Math. 137x or its equivalent. Interest, annuities, amortization, depreciation, sinking funds, bonds.
- 221x. Teaching of Arithmetic.** Cr. 2. S. Formerly 230. Prerequisite: Math. 130x and 131x or the equivalent. For teachers of arithmetic in the first seven grades.
- 222x. College Geometry.** Cr. 2. S. Formerly 437x. Prerequisite: Consent of instructor. Constructions, similitude, properties of the triangle, harmonic properties of circles, inversion. Exercises. Recommended for teachers of geometry in high schools.
- 231x-2x. Mathematics for Students of Agriculture.** Cr. 3. I and II. Formerly 134-5-6. Prerequisite: One unit of high school algebra and one unit of plane geometry. Algebra, graphs, business mathematics, averages and mixtures, statistics, trigonometry, simple machines.
- 233x. Calculus Applications.** Cr. 3. I, II. Formerly second half of 3311 and all of 3312. Prerequisite: Math. 251x. Volumes, centroids, moment of inertia, pressure, work, indeterminate forms, series.
- 235x-6x. Analytic Geometry.** Cr. 3. I and II. Formerly last half of 133 and all of 231, with additional material. Prerequisite: Math. 131x. Analysis of curves, loci, the straight line, conic sections, transformation of coordinates, polar coordinates, graphs of the trigonometric, logarithmic and exponential functions, parametric equations, higher plane curves, and the elements of solid analytics.
- 237x. Mathematics of Insurance.** Cr. 3. I. Formerly 239 with additional material. Prerequisite: Math. 138x. Theory of probability as related to insurance, construction of mortality tables, expectation of life, life annuities, premiums, policy options, reserves. Texas Standard.
- 238x. Statistics.** Cr. 3. II. Prerequisite: Math. 138x. Collection and tabulation of data, bar charts, line graphs, sampling, averages, dispersion, correlation, index numbers, normal curve, probability, estimation, with application to economic problems.
- 251x. Calculus.** Cr. 5. I, II. Formerly 2322-23 and first half of 3311. Prerequisite: Math. 132x. Differentiation, maxima and minima, rates, curvature, formal integration, constant of integration, and areas.
- 321x. Differential Equations.** Cr. 2. I. Formerly 3313. Prerequisite: Math. 233x. Methods for the solution of elementary types of differential equations, with applications.
- 333x-4x. Advanced Algebra.** Cr. 3. I and II. Formerly 232, 233 with additional material. Prerequisite: Math. 236x. Permutations and combinations, limits, series, logarithmic and exponential functions.
- 335x-6x. Differential and Integral Calculus.** Cr. 3. I and II. Formerly 234-5-6. Prerequisite: Math. 132x or 236x. Differentiation, maxima and minima, rates, curvature, mean value theorem, formal integration, definite integrals.
- 431x. Advanced Calculus.** Cr. 3. I. Formerly 431 and parts of 432-3. Prerequisite: Math. 336x. Power series, expansion of functions, partial differentiation, multiple integrals. Not offered 1935-36.
- 432x. Differential Equations.** Cr. 3. II. Formerly 532, with additional material. Prerequisite: Math. 336x. Linear equations and equations of the second order, with geometrical and physical applications. Partial differential equations. Not offered 1935-36.
- 433x. Theory of Equations.** Cr. 3. II. Prerequisite: Math. 335x. Complex numbers, polynomial functions, solutions of numerical equations, symmetric functions, determinants, systems of linear equations. Not offered 1935-36.



**438x. Solid Analytic Geometry.** Cr. 3. II. Formerly 330, with additional material, or 331x. Prerequisite: Math. 332x. The equations of space curves, planes, lines and quadratic surfaces.

**530x. Vector Analysis.** Cr. 3. II. Formerly part of 439. Prerequisite: Math. 336x. Scalar and vector products, divergence, gradient, curl, applications.

**531x. Mathematical Statistics.** Cr. 3. Prerequisite: Math. 335x. Mathematical definition and interpretation of the statistical coefficients, continuous and discrete variables, sampling, generalized frequency curves, expected values, correlation, regression, correlation surfaces, random sampling fluctuations, Lexis theory, recent developments in statistics.

**532x. Actuarial Mathematics.** Cr. 3. Prerequisite: Math. 335x. Brief review of the trigonometric formulas, finite differences, symbolic operators, interpolations, central differences, inverse interpolation, summation, functions and limits, probability, application of the calculus to probability.

**534x. Synthetic Projective Geometry.** Cr. 3. Formerly 534 and half of 535. Prerequisite: Consent of the instructor. Fundamental theorems of projective geometry treated synthetically. Exercises and applications.

**535x. Analytic Projective Geometry.** Cr. 3. Formerly half of 535 and all of 536. Prerequisite: Consent of the instructor. Analytic treatment of the projective properties of the straight line and of the conic sections.

**536x. Modern Algebra.** Cr. 3. I. Formerly 434 and parts of 435-6, or 434x. Prerequisite: Math. 332x. Determinants, matrices, systems of linear equations, linear transformations, quadratic and bilinear forms.

**537x. Functions of a Complex Variable.** Cr. 3. I. Formerly 537 and parts of 538-9. Prerequisite: Math. 431x. Algebra and calculus of complex numbers and their geometric representations, conformal mapping, power series and properties of analytic functions. Riemann surfaces. Not offered 1935-36.

**538x. Theory of Numbers.** Cr. 3. II. Formerly 631 and part of 632, or 631x. Prerequisite: Consent of instructor. Congruences, quadratic residues and reciprocity law, quadratic forms, Diophantine analysis. Not offered 1935-36.

**540x. Thesis Course.** Prerequisite: Graduate standing and thirty semester hours in Mathematics. For candidates for the degree of Master of Arts.

Courses in this department which may be taken for graduate credit are: Math. 431x, 432x, 433x, 438x, 530x, 531x, 532x, 534x, 535x, 536x, 537x, 538x, 540x.

## DEPARTMENT OF MILITARY SCIENCE AND TACTICS

PROFESSOR: COLONEL DAVIS.

The general object of the courses of instruction given the Cadet Corps is to qualify students for positions of leadership in time of national emergency.

The four years of military training are divided into basic and advanced courses. The basic courses include the first two years' training in the Department of Military Science and Tactics, corresponding to the freshman and sophomore years in the academic departments. The advanced courses include the last two years training in the Department of Military Science and Tactics corresponding to the junior and senior years of the academic departments.

The student who completes all the work offered in the department with a satisfactory grade will be prepared to pass successfully the examination as



a second lieutenant in the Field Artillery Section of the Officers Reserve Corps.

**113x-4x. Fundamentals of Military Science.** Cr. 1 (1-1). I and II. Formerly 111-2-3. Service of the piece, materiel, field artillery, ammunition, fire control instruments, military hygiene and first aid.

**213x-4x. Military Science.** Cr. 1. I and II. Formerly 211-2-3. Map reading; administration, the essentials of small unit mobilization, military correspondence, organization of the field artillery, weapons, communications (all methods to include the regiment), computation of firing data (rapid), duties of the chief of section.

**331x-2x. Military Science.** Cr. 3. (2-2). I and II. Formerly 331-2-3. Preparation of fire (deliberate); conduct of fire (axial observation), reconnoissance, selection and occupation of positions, command leadership, the firing battery, duties of the executive, maneuvers limbered, duties of the reconnoissance officer.

**431x-2x. Military Science.** Cr. 3. (2-2). I and II. Formerly 431-2-3. Tactical employment of field artillery; command staff and logistics as applicable to the field artillery staff officer. Military history and the military policy of the United States; military law and courts-martial; battery administration.

## DEPARTMENT OF MUSIC

PROFESSOR BLITZ, ASSISTANT PROFESSOR WILEY (BAND)

The courses offered by the Department of Music are designed to create teachers, soloists, and listeners.

As a general rule, Solfeggio is required. (This does not apply to students who enroll for Music History and Appreciation, 237x-8x). However, six hours of Elementary Music taken before the session 1934-35 will admit the student to second year Solfeggio (Music 221x-2x).

Credit in the one-hour ensemble courses may be obtained without prerequisites or without pursuing academic music, provided, of course, that the musical aptitudes of the student are of sufficient worth to insure progress. The number of semester hours offered thus towards a degree may not exceed eight.

Music ensemble pertains to all musical group activities, chorus, band, orchestra, chamber music. Students who desire elective credit on this work should enroll for the one-hour courses. A major or minor in music may be offered for the Bachelor of Arts Degree. For a major in Public School Music, Band or Ensemble, on the degree Bachelor of Science in Education, see pages 145-146.

For convenience the courses in the department are numbered in two series, Music and Band.

Public School Music majors will receive one hour of credit for each semester of applied music. Students majoring in applied music will receive two hours for each semester. A student having completed the junior course in applied music and having fulfilled the requirements in academic music, may, upon the recommendation of the applied music teacher, be awarded a certificate. A student having completed the senior course in applied music and having fulfilled the requirements in academic music may, upon the recommendation of the applied music teacher, be awarded a diploma. These certificates and diplomas in applied music must not in any way be confused with the college degree or with state teachers' certificates. Applicants for certificates and diplomas in applied music will be required to give a public recital.

## REQUIREMENTS FOR MUSIC CERTIFICATE

Courses	Sem. Hrs.
English 131x-2x and 231x-2x .....	12
Modern language 131x-2x and 231x-2x .....	12
Education 131x-2x and 234x-5x .....	12
Physics 137x .....	3
Geology 133x .....	3
Zoology 235x-6x .....	6
Government 320x .....	2
Philosophy 233x or Psychology 230x .....	3
Speech 432x-3x .....	6
Orientation 111x .....	1
Physical Education or Military Science .....	4
	42
Solfeggio 121x-2x and 221x-2x .....	8
Applied Music .....	12
Harmony 123x-4x and 223x-4x .....	8
Music 237x-8x, History and Appreciation .....	6
Ensemble .....	2
Music Education 337x-8x .....	6

Total requirements for Certificate .....106

NOTE: For Music Diploma 10 additional semester hours in Music are required including 4 additional hours of applied music and Music 437x-8x, Conducting and Methods.

## FEES FOR SPECIAL COURSES IN MUSIC

All regular class work in the department is covered in the uniform \$25.00 semester tuition fee charged all students of the College. Special fees are charged in Music only in case special instructors are employed. The prices listed in each case are for a semester of eighteen weeks.

## PIANO

- Miss Myrtle Dunn—Private lessons, 2 half-hours a week, \$54.00. Private lessons, 1 half-hour a week, \$27.00. Individual lesson in group, 2 hours a week, \$25.00.
- Mrs. E. F. George—Private lessons, 2 half-hours a week, \$36.00. Private lessons, 1 half-hour a week, \$22.50. Individual lesson in group, 2 hours a week, \$27.00.
- Miss Margaret Huff—Private lessons, 2 half-hours a week, \$36.00. Private lessons, 1 half-hour a week, \$22.50. Individual lesson in group, 2 hours a week, \$27.00.
- Mrs. Frances Rix—Private lessons, 2 half-hours a week, \$54.00. Private lessons, 1 half-hour a week, \$27.00. Individual lesson in group, 2 hours a week, \$22.50.

## PIANO ACCOMPANIMENT

- Mrs. J. P. Blitz—Private lessons, 2 half-hours a week, \$54.00. Private lessons, 1 half-hour a week, \$27.00. Individual lesson in group, 2 hours a week, \$18.00.

## VOICE

- Miss Myrtle Dunn—Private lessons, 2 half-hours a week, \$54.00. Private lessons, 1 half-hour a week, \$27.00. Individual lesson in group, 2 hours a week, \$25.00.
- Miss Margaret Huff—Private lessons, 2 half-hours a week, \$36.00. Private lessons, 1 half-hour a week, \$22.50. Individual lesson in group, 2 hours a week, \$27.00.
- Mrs. Emma Scoggin—Private lessons, 2 half-hours a week, \$45.00. Private lessons, 1 half-hour a week, \$22.50. Individual lesson in group, 2 hours a week, \$18.00.

## VIOLIN

- Miss Beulah Dunn—Private lessons, 2 half-hours a week, \$45.00. Private lessons, 1 half-hour a week, \$22.50. Individual lesson in group, 2 hours a week, \$25.00.
- D. O. Wiley—Private lessons, 2 half-hours a week, \$54.00. Private lessons, 1 half-hour a week, \$27.00. Individual lesson in group, 2 hours a week, \$27.00.

## CELLO

- Miss Beulah Dunn—Private lessons, 2 half-hours a week, \$18.00. Private lessons, 1 half-hour a week, \$10.00.
- J. P. Blitz—Private lessons, 2 half-hours a week, \$90.00. Individual lesson in group, 2 hours a week, \$18.00.

## ORGAN

- Miss Margaret Huff—Private lessons, 2 half-hours a week, \$54.00. Private lessons, 1 half-hour a week, \$27.00. Individual lesson in group, 2 hours a week, \$22.50.

## CLARINET AND OTHER REEDS

- H. A. Anderson—Private lessons, 2 half-hours a week, \$45.00. Private lessons, 1 half-hour a week, \$22.50. Individual lesson in group, 2 hours a week, \$18.00.

## FRENCH HORN AND OTHER BRASS

- Lynn Gray Gordon—Private lessons, 2 half-hours a week, \$45.00. Private lessons, 1 half-hour a week, \$22.50. Individual lesson in group, 2 hours a week, \$18.00.
- See teacher or head of department for information about individual lessons in groups.

Two lessons (group or private) a week are required for College credit.

## Theory

**121x-2x. Solfeggio.** Cr. 2. I and II. Formerly 134-5-6, or 131x-2x. Recapitulation of grade school work. Scales, major, minor, mixed, and chromatic. Intervals, consonant, dissonant, attractive, mixed. Time beating (first step in conducting) Binary, Ternary, Bino-Ternary, Terno-Ternary, Composite, Solmization. Easy melodies in Bass and Treble Clef, Church Hymns, national folk songs, leading to special text books on applied Solfeggio. Ear training and dictation. (System Dessirier)\*

**123x-4x. Harmony.** Cr. 2. I and II. Formerly 234-5-6, or 231x-2x. Recapitulation of scales and intervals. Consonant harmony. Common chords. Triads found in five types of scales. Figuration of chords. Analysis of chords. Four part harmony. Movements and motions, enchainment of chords. Progressions, modulations, inversions. Fundamental harmony, harmonization of melodies, figuration of basses. On a French-Belgian basis.

**221x-2x. Solfeggio.** Cr. 2. I and II. The ladder of fifths.\* Solmization with changes of clefs. Ear training and dictation.

**223x-4x. Harmony.** Cr. 2. I and II. Dissonant harmony-chords of four notes. Tableau of all the chords of seventh in the five types of scales. Direct resolutions, indirect resolutions, alterations, harmonization of melodies, suspension, retardation, anticipation, chords of the ninth.

**237x-8x. History and Appreciation.** Cr. 3. I and II. Formerly 137-8-9 or 137x-8x. Envisaged as a cultural course with the object of acquainting the student with the salient facts of music history and teaching him how to listen to music, what to listen for, and what reactions to expect. Part of this three-hour course (not over one-third) may be taken by visiting various instrumental or vocal classes, attending and reporting recitals or reporting outstanding radio broadcasts.

**327x-8x. Counterpoint.** Cr. 2. I and II. Formerly 334-5-6 or 331x-2x. Practical study of applied counterpoint in various species—two, three and four part composition in smaller forms. Especially intended for practical purposes in the teaching of Public School Music.

**337x-8x. Music Education.** Cr. 3. I and II. Formerly 130 and part of 230 or 133x. The material and the methods used in teaching tone, rhythm, and the simple elements of music in the elementary public school grades. Various problems in public school music teaching, with special attention to work in the high school. Methods of organizing and conducting school choruses, glee clubs, orchestras, and classes in appreciation, harmony, etc. Observations of actual class work in music and practice teaching. A careful study of State Bulletin No. 318 (1933) by Nell Parmley and N. J. Whitehurst.

**421x-2x. Instrumentation.** Cr. 2. I and II. Developing the ability to score for various instruments according to the needs which arise in public school instrumental and vocal groups.

**437x-8x. Conducting and Methods.** Cr. 3. I and II. Practical application of band, orchestra or chorus conducting. Observation and practice teaching in Lubbock Public Schools under supervision of the College Department of Education.

### Ensemble

Music ensemble pertains to all musical group activities, chorus, band, orchestra, chamber music.

Students who desire elective credit on this work should enroll for the one-hour courses. Students offering this work as a major or minor will enroll for the three-credit-hour courses.

### Chorus

**113x-4x. Chorus.** Cr. 1. I and II. Freshman year.

**133x-4x. Chorus.** Cr. 3. I and II. Exercises in posture, breathing, articulation, vocalization. Protestant choir service and the classification of hymns when used as examples in voice culture, or in phrasing or tradition.

**213x-4x. Chorus.** Cr. 1. I and II. Sophomore year.

**233x-4x. Chorus.** Cr. 3. I and II. Vocal exercises and fundamentals. The Episcopal service. Folk songs and choruses of various nations, anthems.

**313x-4x. Chorus.** Cr. 1. I and II. Junior year.

**333x-4x. Chorus.** Cr. 3. I and II. Vocal exercises and fundamentals. The Gregorian Chant, Roman Catholic service, cantatas, oratorios, operatic choruses.

**413x-4x. Chorus.** Cr. 1. I and II. Senior year.

**433x-4x. Chorus.** Cr. 3. I and II. The student will present no less than four anthems chosen from any collection of anthems by universally recognized publishers; four secular choruses from an approved collection (See State Bulletin, No. 318, page 37); four masses; one complete oratorio.

### Orchestra

**115x-6x. Orchestra.** Cr. 1. I and II. Freshman year.

**135x-6x. Orchestra.** Cr. 3. I and II. Works within the technical ability of the least advanced section, and chosen from the repertoire of early instru-

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\*A remarkable system of musical mnemonics invented by Professor Dessirier of Paris. A method which has been for many years a part of the official program of musical studies in the Royal Conservatories, Athenaeums, Ecoles Moyennes and Public Schools in Belgium and in several institutions of France, Switzerland, and Italy. First introduced in America by the late Dr. Edouard Blitz. (June, 1903, Jefferson, Mo., Missouri State Teachers Association.) J. P. B.

\*\*In the year 1847, M. A. Barbereau gave a public demonstration of his "Ladder of Fifths" in Paris. This system was received with such unanimous enthusiasm that it was adopted without opposition in the higher institutions of music. In this system intervals, scales, chords, are considered acoustically instead of melodically. Space forbids clearer definition. J. P. B.

mental combinations, compositions of Rameau, Lully, Gretry, Bach, Handel together with easy modern forms by way of contrast.

**215x-6x. Orchestra.** Cr. 1. I and II. Sophomore year.

**235x-6x. Orchestra.** Cr. 3. I and II. Excerpts from symphonies, and chamber music of Haydn, Mozart, together with well-known orchestral compositions of what may be termed "promenade Concert" repertoire, for example, waltzes by Johann Strauss, Marches by Sousa, selections by Herbert, popular overtures.

**315x-6x. Orchestra.** Cr. 1. I and II. Junior year.

**335x-6x. Orchestra.** Cr. 3. I and II. Symphonic and chamber music in keeping with the students' degree of advancement and rate of progress. Excerpts from Beethoven Symphonies (1 and 5); Mendelssohn, "Italian"; Tschaiakowsky, "Pathetic"; and No. 5; Dvorak, "The New World". Symphonic poems and operatic excerpts, Liszt, Wagner, Sibelius, Wolf-Fierrari, etc.

**415x-6x. Orchestra.** Cr. 1 I and II. Senior year.

**435x-6x. Orchestra.** Cr. 3. I and II. A complete symphony (all movements) or the accompaniment of an instrumental concerto, or the accompaniment of an operetta, opera, or oratorio.

### Applied Music

The student will receive the amount of credit listed only in the event that he is majoring in an instrument or the voice. For Public School Majors and Minors only one half the listed amount of credit can be given.

### Piano

**1211x-12x. Freshman Year.** Cr. 2. I and II. Formerly 110-2-3. Czerny; Burgmiller; Heller; Bach; Mendelssohn; ensemble.

**2211x-12x. Sophomore Year.** Cr. 2. I and II. Formerly 210-2-3. Czerny; Kullak Octave studies; Heller; Bach—two part inventions; Mendelssohn; ensemble playing.

**3211x-12x. Junior Year.** Cr. 2. I and II. Formerly 310-2-3 or 321x-2x. Cramer; Kullak Octave studies; Bach—Three part inventions; Chopin, Etudes; ensemble playing.

**4211x-12x. Senior Year.** Cr. 2. I and II. Formerly 410-2-3 or 421x-2x. Clementi Bach—well tempered clavichord; Chopin Etudes; ensemble playing. Public recital.

### Voice

**1215x-16x. Freshman Year.** Cr. 2. I and II. Formerly 113-4-5 or 113x-4x. Fundamentals of voice production; modern songs.

**2215x-16x. Sophomore Year.** Cr. 2. I and II. Formerly 213-4-5 or 213x-4x. Continuation of fundamentals; standard book of studies; classic songs.

**3215x-16x. Junior Year.** Cr. 2. I and II. Formerly 313-4-5 or 323x-4x. Continuation of fundamentals; arpeggios and chromatic scales. Operatic selections; modern songs.

**4215x-16x. Senior Year.** Cr. 2. I and II. Formerly 413-4-5 or 423x-4x. Selected studies interpretation of classical and modern songs; oratorio; recitatives and arias. Public recital.

### Violin

**1217x-18x. Freshman Year.** Cr. 2. I and II. Formerly 116-7-8 or 116x-7x. Franz Wolfhart—Last part of Book II, Book III, Flesch Scale Studies; Mazas—Book I. De Beriot and Alard Methods.

**2217x-18x. Sophomore Year.** Cr. 2. I and II. Formerly 216-7-8 or 216x-7x. Mazas—Book II; Sevcik (double stopping and preparatory); trill studies; Flesch—scale studies and shifting exercises; Beethoven, Schumann, Dvorak and compositions by selected composers.

**3217x-18x. Junior Year.** Cr. 2. I and II. Formerly 316-7-8 or 326x-7x. Kreut-

zer Etudes; Beginning of Fiorillo Bowing Studies; De Beriot Concerto No. VII; Selected repertoire.

**4217x-18x. Senior Year.** Cr. 2. I and II. Formerly 416-7-8 or 426x-7x. Kreutzer and Fiorillo, continued; Rode caprices; concertos of De Beriot, Bruch; Bach Sonatas; selected repertoire, classic and modern, for recital.

#### Viola

(Only Freshman and Sophomore courses offered).

**1219x-20x.** Cr. 2. I and II. Method Gavallini-Guida and Richard Huffman and repertoire (for both years).

#### Bass

(Only Freshman and Sophomore courses offered).

**1221x-22x.** Cr. 2. I and II. Method of Simanda and Orchestra repertoire.

**2221x-22x.** Cr. 2. I and II. Continuation of first-year.

#### Cello

**1223x-24x.** Cr. 2. I and II. Method of Lee, Part I.

**2223x-24x.** Cr. 2. I and II. Method of Lee, Parts I and II; Repertoire.

**3223x-24x.** Cr. 2. I and II. Dotzauer Thumb Position, Repertoire Carl Schroeder.

**4223x-24x.** Cr. 2. I and II. Studies by Duport, Romberg Concertos, Modern Concert Repertoire.

#### Reed Instruments

**1225x-26x.** Cr. 2. I and II.

**2225x-26x.** Cr. 2. I and II.

**3225x-26x.** Cr. 2. I and II.

**4225x-26x.** Cr. 2. I and II.

#### Brass Instruments

**1227x-28x.** Cr. 2. I and II.

**2227x-28x.** Cr. 2. I and II.

**3227x-28x.** Cr. 2. I and II.

**4227x-28x.** Cr. 2. I and II.

#### Piano Accompaniment

**1213x-14x. Piano Accompaniment.** Cr. 2. I and II. The numerous accompaniments which all pianists are called upon to play at one time or another, such as The Swan, The Rosary, The Berceuse from Jocelyn, for cello. The Meditation from Thais, The Air on the G String, Ave Maria, Schubert's Serenade, for violin; Cradle Song, by Brahms; My Mother Bids Me Bind My Hair, by Haydn; the Violet, by Mozart, for singers. Church hymns and folk songs.

**2213x-14x. Accompaniment of Choir and Chorus.** Cr. 2. I and II. Part drilling. Following baton. Saving time at rehearsals. Exercises in reinforcing parts. Abandoning piano parts for choral parts. Hints for preparing difficult solo entres.

**3213x-14x. Accompaniment in Orchestra and Chamber Music.** Cr. 2. I and II. Omission of parts, doubling of parts, pedaling, following direction, giving direction. Trios, Beethoven, Mendelssohn.

**4213x-14x. Piano Accompaniment.** Cr. 2. I and II. The applicant will offer a public recital accompanying a singer, an instrumentalist, or a chorus in advanced repertoire, violin repertoire, such as Bruch Concerto, Mendelssohn Concerto, Symphonie Espanola, Lalo; Voice, Toreador Song, Bizet; Depuis le Jour (Louise), Charpentier, Una voce poco fa (Barber of Seville), Rossini; Cello, Saint-Saens Concerto, Lalo Concerto, Herbert Concerto.

#### Band

Students desiring to major or minor in band music for use for the degree bachelor of science in education should follow the schedule of courses outlined on page 146.



Since a great majority of the students who play in the band will major in some other branch of the College, it is suggested that these students register for the one-hour band courses. This work may be counted as elective credit on the bachelor of arts degree, or the freshman and sophomore years may be substituted for the required physical education or military science. A maximum of eight hours of music may be counted as elective credit on the bachelor of arts degree.

There is a great scarcity of qualified band teachers for the public schools at this time, and it is the desire of Texas Technological College to give those students who wish to follow this line of work ample training for their profession.

Students who play in the band but who are majoring in other fields will take Music 111x-2x, 211x-2x, 311x-2x, and 411x-2x. These courses will carry one hour credit per semester.

Students who major in band music will have to show a reasonable knowledge of other instruments at the beginning of the senior year. They will be expected to make several appearances as soloist with the band, and to conduct in public at least a half dozen larger band numbers with a good degree of proficiency.

**131x-2x. Band.** Cr. 3. I and II. Exercise material as assigned by the Director. Overtures, selections and marches as assigned.

**231x-2x. Band.** Cr. 3. I and II. More advanced exercise and study material. Concert numbers by composers of different periods selected from band library.

**321x. Band Conducting and Methods.** Cr. 2. I. Postural technique of the baton, fundamental principles in obtaining tone balance, color, shading, etc. Program building, and practical application of the conducting of smaller concert numbers.

**331x-2x. Band.** Cr. 3. I and II. Study materials in keeping with the advancement of the student. Concert numbers to include overtures and symphony movements by Beethoven, Bizet, Massenet, Verdi, Rossini and others.

**421x-2x. Band Conducting and Methods.** Cr. 2. I and II. More advanced study and experience in the art of conducting with a study of more important concert forms. Overtures by Rossini, Verdi, von Suppe, Beethoven, Bizet, and others. Symphonic works of Beethoven, Dvorak, Tschaiakowsky, Liszt, and many others.

**431x-2x. Band.** Cr. 3. I and II. Concerted numbers to include some of the larger works of the moderns. Works by Tschaiakowsky, Wagner, Dvorak, Ravel, Debussy, Rimsky-Korsakoff and others. Study material and solos in keeping with the grade of advancement.

## ORIENTATION FOR FRESHMEN

UNDER THE DIRECTION OF DEAN GORDON AND DEAN DOAK.

The Division of Arts and Sciences along with the other divisions of the College believe definitely that students entering College for the first time should be given an opportunity in a systematic way and under sympathetic guidance to become adjusted to college and college ideals. To that end an orientation course is set up for freshmen, both men and women. Regularly, men students are taught by men teachers, and women by women teachers. All Arts and Sciences freshmen are required to take the course. One semester college credit will be given those who do the work satisfactorily.

**111x. Orientation.** Cr. 1. I and II. Two lecture hours a week and a convocation as the conduct of the course demands. Lecture work bearing upon such problems as the change from high school to college, how to study, use of the Library, budgeting time and money, choosing a vocation; and the more personal problems such as personal hygiene, social conventions, religious experiences, and other phases of life.



## DEPARTMENT OF PHILOSOPHY AND SOCIOLOGY

DIRECTING HEAD OF DEPARTMENT, DEAN GORDON. INSTRUCTOR  
BAHM.

### PHILOSOPHY

The function of philosophy is two-fold: First, it seeks to inquire into life seen as a whole, to determine the purpose of the whole. Second, it seeks to answer scientifically certain questions: what are the methods of correct thinking; what is the nature of knowledge, truth and certainty; what is the ultimate nature of reality; what is value or goodness; what is the nature of right or proper conduct; what is beauty; what is religion. Philosophical studies should aid the student to develop the habit of thinking critically for himself.

To meet the minimum degree requirements in Philosophy, the student may offer Philosophy 231x, 232x, or 233x, preferably 233x.

Students majoring or minoring in Philosophy will take Psychology 230x to satisfy minimum degree requirements. Majors will take Psychology 337x also.

**231x. Elements of Ethics.** Cr. 3. I. Formerly 233. Problems of individual and social conduct; the bearing of ethical principles upon everyday life.

**232x. Logic.** Cr. 3. II. Formerly 232. Deductive and inductive logic, with practice in logical analysis, the use of the syllogism and the inductive methods, and detection of fallacies.

**233x. Introduction to Philosophy.** Cr. 3. I. Formerly 231. The fundamental problems involved in the interpretation of the nature of knowledge, reality, and value.

**331x. Contemporary Philosophy.** Cr. 3. I. Prerequisite: 233x or 332x. The dominant movements in contemporary philosophy.

**332x. History of Philosophy.** Cr. 3. II. Formerly 331, 234x. The principal philosophical systems developed by the great philosophers of the world.

**431x. Aesthetics.** Cr. 3. I. Interpretation of the nature of beauty. Analysis of the aesthetic experience. Characteristics of art objects. Application of principles to music, poetry, prose literature, painting, sculpture and architecture.

**432x. Philosophy of Value.** Cr. 3. II. Prerequisite: 233x. Contemporary theories of the nature of the intrinsic; instrumental and economic value. Given in alternate years; not given in 1935-36.

**436x. Philosophy of Religion.** Cr. 3. II. A search for the essence of religion by means of a survey of historical and contemporary religious movements: Brahmanism, Buddhism, Confucianism, Judaism, Greek Polytheism, Catholic and Protestant Christianity, and Humanism.

**438x. Seminar in Philosophical Problems.** Cr. 3. I, II. Prerequisite: Senior standing and major or minor in Philosophy. For Philosophy students whose needs are not satisfied by other courses offered. Readings on selected topics, reports, conferences, and examinations.

### SOCIOLOGY

Sociology is concerned with human relations—"the origin, development, structure, and functions of social groups." It considers the origin and development of society; individual and societal interests; social forces, social control, social change; group contacts and social progress.

Sociology 231x and 333x may be used to satisfy the minimum degree requirements in Sociology (1) for the degree of Bachelor of Science in Education, (2) for a major in the Department of Speech, and (3) for degrees in the Division of Home Economics.

The following courses given in other departments will be accepted as fulfilling major or minor requirements of students majoring or minoring in Sociology, provided they are not accepted to fulfill requirements in other departments: Economics 432x; Home Management 422x (Division of Home Economics); Rural Sociology 422x (Division of Agriculture), may be offered in place of Sociology 332x.

**231x. Introduction to Sociology.** Cr. 3. I. Formerly 231. The underlying principles of social science.

**331x. Social Pathology.** Cr. 3. I. Formerly 334, 233x. The socially inadequate; special reference to defectives and dependents.

**332x. Rural Sociology.** Cr. 3. II. Formerly 331, 234x. Special phases of rural life. The institutions and problems of rural populations; their relation to the general welfare. Given in alternate years; not given in 1935-36.

**333x. Current Social Problems.** Cr. 3. II. Formerly 233. Survey of problems pertaining to adjustment to external nature, population, distribution of wealth and income, health and physical welfare, defective classes, race, immigration, the family, child welfare, crime and war.

**431x. Social Psychology.** Cr. 3. I. An introduction to the study of human nature, personality, development, attitudes, interaction, and various forms of personal maladjustment. Given in alternate years; not given in 1935-36.

**432x. Urban Sociology.** Cr. 3. II. City life presented as a phase of the general social life. Interdependence of country and city; problems peculiar to urban living. Given in alternate years; not given in 1935-36.

**533x. Current Social Problems for Advanced Students.** Cr. 3. II. Prerequisite: Graduate standing. (Credit not allowed for both 333x and 533x.) A survey of current social problems, together with student investigation into social problems confronting the local community.

The following courses may be counted for graduate credit: Phil. 431x, 432x, 436x, 438x. Soc. 431x, 432x, 533x

## DEPARTMENT OF PHYSICAL EDUCATION

PROFESSORS CAWTHON, SMITH. ASSOCIATE PROFESSORS LANGFORD, BALLARD. ASSISTANT PROFESSOR RIEGEL.

Physical education for both men and women is provided. The aim of the work is to maintain general health and to provide activities that are physically worthwhile.

Every freshman and sophomore student in the College is required to enroll for Physical Education unless excused upon the recommendation of the College physician. However, men may enroll for Military Science instead of for Physical Education.

In the case of physical defects rendering it inadvisable to require the regular Physical Education work, the student is either given special work or in extreme cases may be permitted to meet by substitution the total number of hours of Physical Education required.

Coach P. W. Cawthon is Head of the Department of Physical Education for Men, and Associate Professor Langford is Head of the Department of Physical Education for Women. In both of these departments, in addition to the regularly required work, advanced courses are offered in technique, administration, and methods of teaching physical education. These courses meet the state requirements.

The following are required courses for a major in Physical Education for the degree of Bachelor of Science in Education: P. E. 235x-6x (women); 237x-

8x (men); 332x or 337x; 339x; 333x-4x or 335x-6x; Foods 133x and three additional hours in elective courses in Physical Education. A maximum of six semester hours of work taken in the Coaching Schools may be counted as electives.

#### PHYSICAL EDUCATION FOR MEN

**113x-4x. Physical Training.** Cr. 1 (0-2). I and II. Formerly 114-5-6. Sections 1, 2, 4, 7, 8, 9, 10—athletic games, calisthenics, corrective exercises and lectures. Sections 3, 5—wrestling and boxing. Section 6—tumbling.

**213x-4x. Physical Education.** Cr. 1 (0-2). I and II. Formerly 214-5-6. A continuation of 113x-4x. Required of sophomores. (Option, Military Science.) Sections 1, 3—intramural basketball, football, track, tennis, golf, soccer in season. Sections 2, 4—gymnastics, fencing, wrestling, boxing.

A special course is offered for the student who is not physically able to take part in competitive sports. The regulation gymnasium suit consisting of a scarlet shirt and black trunks and shoes are provided by the student.

**237x-8x. Technique of Sports.** Cr. 3. I and II. Group and mass technique and practice of stunts; soccer, volley ball, tennis, touch football, baseball, indoor baseball, actual practice and study of rules.

**321x-2x. Practical Instruction in Athletics.** Cr. 2 (1-3). I and II. Plays and formations in all major sports as well as detailed instruction in football, basketball, track, field games, swimming. For Juniors only; must be candidates for one major sport each semester and have made a varsity squad previously.

**431x-2x. Theory and Practice of Coaching.** Cr. 3 (2-3). I and II. Formerly 431-2-3. Prerequisite: 321x-2x. Theory of coaching football, basketball, baseball, track, field sports; taken up in connection with demonstrations of training methods, diet, massage, and athletic administration. For seniors only; must be a candidate for one major sport.

#### PHYSICAL EDUCATION FOR WOMEN

The Physical Education Department for Women offers three types of instructional work: (1) two years of required work; (2) a teaching major; (3) teacher training for classroom teachers.

Every woman student is given a medical examination at the beginning of each year. Excuse from Physical Education is granted in case of physical disability. Those who are unable to take regular work are given special work.

Regulation costumes, described at the first meeting of classes, are to be purchased upon registration for work in Physical Education. These costumes are suitable for class work throughout the two years of physical education.

All unrequired athletic activities are sponsored by the Women's Athletic Association. Points are awarded in accordance with the requirements of the Texas Athletic Conference of College Women.

For the present the State Department of Education is asking that certain prescribed courses be required of all classroom teachers responsible for playground work. The courses prescribed are P. E. 233x and P. E. 230x.

**111x. Fundamentals in Gymnastics and Rhythms.** Cr. 1 (0-2). I. Exercises for coordinations and posture, free rhythmic steps, and movements.

**112x. Stunts, Games, and Sports.** Cr. 1 (0-2). II. Simple stunts and unorganized games. Development in fundamental skills and team play in major sports.

**210x. Clogging.** Cr. 1 (0-2). I, II. Clog. Character and tap dancing. For beginning and advanced classes.

**211x. Riding.** Cr. 1 (0-2). I, II. Instruction and practice in horseback riding. For beginning and advanced students.

**212x. Tennis.** Cr. 1 (0-2). I. Technique and practice in tennis. For beginning and advanced students.

- 215x. Basketball and Fieldball.** Cr. 1 (0-2). I. Technique and practice of basketball and fieldball.
- 216x. Soccer and Speedball.** Cr. 1 (0-2). II. Technique and practice in fundamental skills and team play of soccer and speedball.
- 217x. Folk Dancing.** Cr. 1 (0-2). I. Fundamental steps and rhythms used in folk dances.
- 218x. Volleyball and Baseball.** Cr. 1 (0-2). II. Fundamental skills and team play in volleyball and baseball.
- 219x. Tumbling.** Cr. 1 (0-2). Stunts and pyramid building.
- 2110x. Archery and Ping-Pong.** Cr. 1 (0-2). II. Instruction and practice in archery and ping-pong.
- 2111x. Golf.** Cr. 1 (0-2). II. Technique and practice of golf.
- 2112x. Swimming.** Cr. 1 (0-2). S. Technique of the various strokes in swimming. For beginning and advanced students.
- 2113x. Individual Gymnastics.** Cr. 1 (0-2). I, II. For students not physically able to enroll in regular physical education work.
- 230x. Principles of Health Education.** Cr. 3. II. Formerly 230. Health education programs in elementary and high schools. Hygiene and first aid material. For women and men.
- 233x. Methods in Physical Education for the Elementary School Teacher.** Cr. 3 (2-4). I. A method and content course dealing with the theory and practice of physical education in the elementary schools. For women and men.
- 235x-6x. Technique of Sports.** Cr. 3. I and II. Formerly 236. Instruction in technique and rules with demonstrations and actual playing of various sports. Baseball, tennis, volleyball, soccer, basketball, speedball, and fieldball. For women only.
- 331x. Recreational Methods.** Cr. 3. I. Formerly 231. Group and unorganized games; highly organized games and sports. The games taught are suitable for schools, playground, and social recreation. For women and men.
- 332x. Physiology of Exercise.** Cr. 3. I. Formerly 237. The benefits and results of exercise. For women and men.
- 333x-4x. Methods in Elementary Physical Education.** Cr. 3. I and II. Formerly 233x. Methods of teaching physical education in elementary schools; the work most adaptable to each grade. For women and men.
- 335x-6x. Methods in Secondary Physical Education.** Cr. 3. I and II. Formerly 234x. Methods of teaching physical education in secondary schools; health examination and preparation of a complete program of physical education for secondary schools. For women and men.
- 337x. History of Physical Education.** Cr. 3. I. History of physical education, with particular attention to recent literature.
- 339x. Principles of Physical Education.** Cr. 3. II. Principles of physical education from the standpoint of the physical education teacher or administrator. For women and men.

## DEPARTMENT OF PHYSICS

PROFESSORS GEORGE, ABBITT, MAST. ASSOCIATE PROFESSORS  
HILL, SCHMIDT.

The instructional work in the Department of Physics has been organized with the view of attaining the following objectives: (1) to acquaint the student who is pursuing a non-specialized course of study with the place of physics in the modern world and to train him in the scientific methods of work; (2) to provide the basic training in physics for agricultural, engineering, and pre-medical students; (3) to offer students majoring in chemistry,

geology, or biology the advantages of training in general physics as well as in certain specialized courses, bordering on their own fields, which may be of benefit to them; (4) to offer a thorough, well-rounded training to those who may elect physics as their major in a course of study leading to the Bachelor of Science or Bachelor of Arts degree. In this fourth category should be included those students who desire to prepare themselves for teaching positions in secondary schools, positions in the civil service requiring training in physics, scientific work with commercial companies, graduate work in this institution or in other institutions of higher learning.

The curriculum for the degree of Bachelor of Science, Physics Major, may be found at the beginning of **Arts and Sciences**.

The Department of Physics has for its exclusive use a lecture room with an apparatus room adjoining; three laboratories devoted wholly to the work in general physics; a light laboratory; an electrical measurements laboratory; a high-frequency laboratory; a photographic dark room; a shop, well equipped, for making and repairing apparatus. The various laboratories and the apparatus room are well equipped with apparatus of modern design and construction.

**Physics 121x-2x. General Physics.** Cr. 2. I and II. A cultural course for students who do not intend to specialize along scientific or technical lines. No laboratory. No problems. Qualitative rather than quantitative. Treated from a humanistic rather than technical standpoint; physical rather than mathematical concepts stressed. The fascinating and inspiring story of man's progress towards mastery of the physical world.

May count as science requirement only if laboratory is taken later.

**131x-2x. Elements of College Physics.** Cr. 3 (2-3). I and II. Formerly 131-2-3. A general survey of the entire field of physics; mechanics, heat, magnetism and electricity, sound and light. Important physical principles illustrated by class room demonstration. Greater emphasis placed on the descriptive presentation of the subject matter than on the solution of problems. Primarily for Arts and Sciences, Agriculture, Home Economics, and Pre-Medical students.

**133x-4x. Freshman Engineering Physics.** Cr. 3 (2-3). I and II. Formerly 144-5. Mechanics, heat, electricity, and magnetism; demonstration lectures in sound and light. Emphasis on the solution of problems. Designed especially for Engineering students, but may be taken by students in Agriculture, and with the consent of the instructor, by Arts and Sciences, Home Economics, and Pre-Medical students.

**Physics 137x. Physical Basis of Speech and Music.** Cr. 3 (2-3). II. The principles of sound and the applications of speech and music. The method of presentation to be mainly by demonstration and lectures. For students majoring in Music and Speech.

**211x-2x. Physical Measurements.** Cr. 1 (0-3). I and II. Prerequisite: Phys. 131x-2x or registration therein. Experiments chosen from the field of mechanics, heat, electricity, magnetism, sound and light. For those who desire more laboratory work than is given in general physics. Should be taken by all Pre-medical students, preferably parallel with 131x-2x.

**231x-2x. Sophomore Physics.** Cr. 3 (2-3). I and II. Formerly 241-2-3. Prerequisite: Phys. 133x-4x or its equivalent and freshman mathematics. The general field of physics; more advanced than the first year courses. Emphasis on the solving of problems. Required of all Engineering students and of all others who make Physics their major.

**233x. Teaching of Physics.** Cr. 3. S. Formerly 233. Prerequisite: One year of college physics; Ed. 131x-2x, or the equivalent. Demonstration lectures. The method of presentation of the subject matter and the construction and selection of inexpensive demonstration and laboratory equipment. Students required to make out a list of laboratory equipment for a high school physics laboratory. For students who plan to teach physics in high school.

**331x. Light.** Cr. 3 (2-3). I. Formerly 336-7. Prerequisite: Phys. 131x-2x and calculus. The fundamentals of geometrical and physical optics; optical instruments and the reflection, refraction, dispersion interference, diffraction and polarization of light.

**332x. Heat.** Cr. 3 (2-3). II. Formerly 344. Prerequisite: Phys. 131x-2x and calculus. Thermometry; expansion; calorimetry; transference of heat; heat of chemical actions; change of state; heat properties of gases and vapors; first and second law of thermodynamics; adiabatic and isothermic transformation; and entropy.

**333x-4x. Electricity and Magnetism.** Cr. 3. I and II. Formerly 338-9. Prerequisite: Phys. 131x-2x and integral calculus. A mathematical treatment of the theory and applications of electricity and magnetism. An introduction to electron theory, power transmission, communication, conduction of electricity through gases, radioactivity, thermionics, photoelectricity, and X-rays.

**423x-4x. Electrical Measurements.** Cr. 2 (0-6). I and II. Formerly 331-2. Prerequisite: Phys. 131x-2x and integral calculus. Methods, instruments and principles relating to measuring resistance, capacitance, inductance, and magnetism by direct and alternating currents. Vacuum tubes and photo electricity. Calibration of electrical meters. Required of Electrical Engineering students.

**427x. Geophysics.** Cr. 2 (1-3). II. Theory and practice in methods of geophysical exploration including practical geophysical surveys. Given by the Departments of Geology and Physics cooperatively for properly qualified students of either department. Registration only on permission of the Heads of both Departments.

**433x. Thermionic Vacuum Tubes.** Cr. 3 (3-3). I. Formerly 441-2. Prerequisite: Phys. 333x-4x or an elementary knowledge of alternating current theory. A preliminary study of the dislodgement of electrons from solid substances and the physics of the thermionic valve. The tube considered from the standpoint of its use as a rectifier, an amplifier, an oscillation generator, and a detector of alternating current.

**434x. High Frequency Electrical Measurements.** Cr. 3 (3-3). II. Prerequisite: Phys. 333x-4x or an elementary knowledge of alternating current theory. The measurement of capacitance, inductance, and resistance at audio and radio frequencies; vacuum tube characteristics; wave form; and measurements on transmitting and receiving circuits.

**435x-6x. Introduction to Modern Physics.** Cr. 3. I and II. Prerequisite: Phys. 231x-2x and calculus. Modern conceptions of the nature and property of matter; the corpuscular nature of radiant energy; X-ray; spectra; the periodic system; molecular structure; radioactivity; astrophysics.

**511x-2x. Physics Seminar.** Cr. 1. I and II. Formerly 511-2-3. Prerequisite: Consent of the instructor. Weekly reports by students and members of the staff on recent contributions in the field of physics appearing in various scientific periodicals. Given in alternate years; given in 1935-36.

**513x-4x. Physics Seminar.** Cr. 1. I and II. Formerly 511-2-3. Prerequisite: Consent of the instructor. Similar to Phys. 511x-2x. Offered as an inducement to students to keep abreast of current advances in the field of physics during at least two years of their residence. Given in alternate years; not given in 1935-36.

**531x-2x. Theoretical Physics.** Cr. 3. I and II. Formerly 531-2-3. Prerequisite: Consent of the instructor. Mathematical treatment of fundamental laws, including some of the modern physics. Open to students of advanced standing.



**533x-4x. Mathematical Theory of Light.** Cr. 3. I and II. Formerly 534-5-6. Prerequisite: Phys. 331x and integral calculus. Geometrical and physical optics; a review of the classical and modern theories of light.

**535x-6x. Theoretical Mechanics.** Cr. 3. I and II. Prerequisite: Consent of the instructor. Advanced mathematical treatment of the entire field of mechanics.

The following courses may be taken for graduate credit: 331x, 332x, 333x-4x, 423x-4x, 433x, 434x, 435x-6x, 511x-2x, 513x-4x, 531x-2x, 533x-4x, 535x-6x.

## DEPARTMENT OF SPEECH

PROFESSORS PIRTLE, PENDLETON

Training in the art of presenting one's thoughts to a group, of speaking effectively in public meetings, of thinking on one's feet, and of speaking extemporaneously are necessary parts of a college education. The college man or woman needs this training to meet adequately the demands which the world will make of him. Leadership requires ability as a speaker. The Department of Speech furnishes this training for all students of the College.

The department also provides instruction, in a broad way, for students who intend to enter the field of speech as a profession, for students of Engineering, Agriculture, and Home Economics who must sell their projects, and for students who desire to prepare themselves to take part in community affairs. Special courses are offered for students of Business Administration. There are courses planned to help the teacher who may be called upon to direct the various debate, play, and declamation contests. Corrective speech work is stressed, and clinics are conducted in connection with the Lubbock city schools. Extension courses for business and professional people are offered upon sufficient demand.

The following are courses for a major in Speech: Sem. hrs.

Speech 131x-2x. Fundamentals of Speech .....	6
Speech 233x. Voice and Diction .....	3
Speech 235x-6x. Argumentation and Debate .....	6
Speech 231x. Technique of Dramatic Art .....	3
Speech 232x. Rehearsal and Dramatization .....	3
Speech 311x. Parliamentary Law .....	1
Speech 333x. Stagecraft .....	3
Speech 421x. Problems in Speech Training .....	2
Speech 422x. Technique of Interpretation .....	2
Speech 423x-4x. Advanced Stage Directing .....	4
Speech 431x. Advanced Public Speaking .....	3
Speech 432x-3x. Phonetics and Speech Correction .....	6

### General Requirements:

English .....	18
Psychology .....	3
Sociology 333x and Philosophy 431x .....	6
History and Government .....	12
Science: Zoology 235x-6x; Geology 137x; Physics 137x .....	12
Foreign Language .....	12
*Mathematics .....	6
Two years required physical education .....	4
Orientation .....	1
Electives to complete degree requirements .....	

The equipment for the department includes a stage and properties for the actual practice of theory. Here various speaking situations are created



in order that the student may have practical experience in conducting and taking part in public affairs. A workshop is equipped with tools and materials for constructing stage sets and for the making of marionettes. A radio with local broadcasting unit is used for practice in radio speech.

**131x-2x. Fundamentals of Speech.** Cr. 3. Each, I and II. Formerly 131-2. General speech education; practical training in public speaking. Stress placed upon the original speech. Completion of 131x satisfies the requirement for degrees in Agriculture and in Engineering.

**231x. Technique of Dramatic Art.** Cr. 3. I. Formerly 031. Stage technique, make-up, plays for class production; principles of dramatic interpretation and characterization. Stress placed upon selection of plays and analysis of character.

**232x. Rehearsal and Dramatization** Cr. 3 (3-3). II. Formerly 032-034. Prerequisite: Speech 231x. The direction and production of plays, back stage organization, lighting and costuming; play writing and dramatization of literature.

**233x. Voice and Diction.** Cr. 3. II. Formerly 133x. The structure and functioning of the vocal apparatus. Practical application of this study to the improvement of the individual voice. Required of all majors in Speech.

**235x-6x. Argumentation and Debate.** Cr. 3. I and II. Formerly 221x-2x. Prerequisite: Govt. 131x-2x or enrollment in Government. Argumentation, analysis, evidence, persuasive speaking, and brief drawing. Class discussion and debate upon questions of present-day interest. Open to freshmen upon recommendation of the instructor. Both semesters must be completed before credit for graduation will be given. In case of seniors, credit may be given for 235x, provided this completes a year in Speech.

**311x. Parliamentary Law.** Cr. 1. II. Formerly 111x. The theory and practice of the principal forms and rules of parliamentary procedure. Designed to prepare students to participate in, and preside over, meetings of organized groups.

**321x. Business Speech.** Cr. 2. II. Formerly 1314. Basic speech training and practice. The planning, construction, and delivery of the common types of informal speeches. The fundamental rules of parliamentary practice given in connection with the class work. For juniors and seniors in the Department of Economics and Business Administration.

**333x. Stagecraft and Marionette Construction.** Cr. 3. I. Formerly 233x. Prerequisite: Speech 231x-2x. Stagecraft and the construction of the modern auditorium; design and construction of stage models and sets. The second half of the semester used for the construction of marionettes and learning the technique of marionette performances.

**421x. Problems in Speech Training.** Cr. 2. II. Formerly 431. Prerequisite: 20 semester hours in Speech. Methods of teaching speech. Review of all phases of speech. A survey of the texts in speech; emphasis on making syllabi. Required of all majors in Speech.

**422x. Technique of Interpretation.** Cr. 2. II. Formerly 322x. Students are advised to take Speech 233x before entering this class. Practical application of the principles of oral interpretation. Various types of literature; emphasis on Shakespeare.

**423x-4x. Advanced Stage Directing.** Cr. 2. I and II. Prerequisite: Speech 231x, 232x. Discussions on the problems of the director with practical work

\* See the requirements for the Bachelor of Arts degree.

in the staging of plays for public presentation. Emphasis on full length play.

**431x. Advanced Public Speaking.** Cr. 3. I. Formerly 331x. Prerequisite: Speech 131x-2x. Methods of speech preparation and presentation; the qualities and structure of an effective address; preparation of outlines and the presentation of formal speeches and addresses.

**432x-3x. Phonetics and Speech Correction.** Cr. 3. I and II. Formerly 332x-3x. Prerequisite: Speech 233x, and Zool. 235x-6x. Phonetics and its application to speech correction. Voice mechanism; speech difficulties, and the current methods of diagnosis and treatment. Clinics for children with speech defects conducted in the public schools of the city. Required of all majors in Speech. Recommended for students planning to teach.

## BIBLICAL HISTORY AND LITERATURE

DR. W. F. FRY

Through the interest and cooperation of the Baptist General Convention of Texas certain courses in Biblical literature and history are offered to students in Texas Technological College. These courses carry college credit, a maximum of twelve semester hours being allowed in the Division of Arts and Sciences. Classes are held in suitable rooms near the College campus. The work is under the regular supervision of the Division of Arts and Sciences, subject to all the regulations governing other courses in the College.

**137x-8x. Old Testament and New Testament Survey.** Cr. 3. I and II. Formerly 137-8-9. A general acquaintance and working knowledge of the entire Bible.

**234x. The Life of Christ.** Cr. 3. I and II. Formerly 433. The separate incidents in the life of Christ in chronological and harmonic order. Supplementary lectures on the period between the Testaments. For freshmen and sophomores.

**335x. The Poetic Section of the Old Testament.** Cr. 3. I. Formerly 335. Analysis, interpretations, and the laws governing Hebrew poetry.

**336x. Building the Bible and between the Testaments.** Cr. 3. II. Practical fields in the entire sweep of Biblical literature. Not open to freshmen.

**431x. The Prophets.** Cr. 3. II. Formerly 431-2. Certain of the prophetic books selected each year and carefully studied from the analytical, historical, and interpretative point of view. Open to juniors and seniors.

## GRADUATE STUDY

All graduate work in Texas Technological College is confined to work toward the degrees of Master of Science and Master of Arts and toward professional degrees in certain branches of Engineering as are hereinafter noted, and is likewise confined to those departments whose staffs and facilities are adequate and qualified to give graduate work.

Graduate work requires that the candidate shall have obtained a bachelor's degree either at this institution or at some institution of equal rank and standing. To receive the master's degree such candidate shall complete not less than thirty-three semester hours of graduate work beyond the bachelor's degree, including a thesis, which shall be founded on a definite project of original research to be approved by the head of the major department and the Graduate Committee. With the approval of the Graduate Committee, undergraduates lacking not more than six semester hours for the completion of the requirements for the bachelor's degree may be permitted to proceed with graduate study.

The object and aim of graduate study is to develop the powers of independent work and to promote and develop the creative spirit of research in the graduate student.

**Facilities.** The college library and laboratories of the various departments provide facilities for graduate work. New reference material is being added regularly to the Library, and the scientific equipment of the various laboratories of the College is being improved continually. Positions as graduate assistants are provided in some departments. These place the graduate students in direct contact with the best trained men on the staff and give opportunity for the development of graduate work.

**Admission.** To be admitted as a candidate for the master's degree a student must have received the bachelor's degree from Texas Technological College or a bachelor's degree from another college or university of equivalent standing. The institution from which the candidate comes must have held membership in a recognized association of senior colleges at the time the student was graduated. At the discretion of the graduate Committee a candidate may be required to pass an examination as a prerequisite to admission as a candidate for the master's degree.

**Candidacy for Master's Degree.** A written application on a blank furnished by the Registrar must be made by the graduate student and approved by the Graduate Committee and the dean of the division concerned, before the student will be accepted as a candidate for a degree. This blank, when properly filled out, shows the entire course of study to be followed, the nature of the research to be pursued as a basis for the thesis, and the subject of the thesis. This application must be filed with the Graduate Committee some time before the close of the semester or session prior to the one in which the degree is to be conferred.

**Foreign Languages.** In certain departments no candidate may receive a master's degree without meeting requirements in foreign languages.

**Residence Requirements.** An applicant for the master's degree must be a student in residence at this institution for at least thirty weeks, and in addition, he must account for at least six more weeks of work in one of the following ways:

1. As a resident student at Texas Technological College.
2. As a resident student in some other college of equal rank.
3. As a student in extension courses offered by Texas Technological College in which a maximum of six semester hours may be made.

An applicant for the master's degree must complete all requirements for the degree within three years from the date of his enrollment for graduate study, except that a student in summer school only may have the time extended to five years.

In case a student is employed by the College, or is employed otherwise, the length of residence to complete the work may be increased proportionately. No member of the faculty or staff above the grade of instructor shall be eligible to receive a graduate degree from this college. No member of the faculty or staff shall be eligible to receive a master's degree in less than three years of nine months, or the equivalent, and then only in case special arrangements are made. No person holding a graduate assistantship or fellowship will be permitted to complete the work for a graduate degree in less than two long session of nine months each, or the equivalent.

**Amount of Work.** The minimum amount of work beyond the bachelor's degree required for the master's degree is thirty-three semester hours and one year in residence. A maximum of six semester hours of graduate work or the equivalent may be accepted from another institution of equal rank provided that an additional nine semester hours may be accepted when a department recommends that a student be sent to a particular college for the consummation of particular work. Such work is to be outlined and approved by the head of the department, the dean of the division concerned, and by the Graduate Committee before such work is undertaken. A maximum of seventeen semester hours of work may be carried in any one semester.

**Major and Minor Subject.** A candidate for the master's degree should complete a minimum of twenty-one hours in the major subject including the thesis. The remainder of the thirty-three semester hours of credit may be offered in one or two minor subjects, provided not less than six hours is offered in one subject. At least one of the minors must be closely related to the major subject. Minor subjects must be approved by the department in which the major is taken.

**Thesis.** A thesis subject must be chosen as a part of the major subject, and a full outline of the research work to be undertaken as a basis for the thesis must be set forth and be approved by the Graduate Committee. Final copy of the thesis, unbound, with the signed approval of the thesis committee, head of the department, and dean of the division concerned must be presented for examination and approval of the Committee not later than fifteen days prior to graduation, and the final corrected copy with the cost of binding, not later than five days prior to graduation. Credit for the thesis will regularly carry a maximum of six semester hours. By vote of the Graduate Committee, this amount may be increased to nine semester hours, depending upon the extent and quality of the work to be done.

**Courses.** The courses which may be taken for credit toward the master's degree are of three kinds:

1. **Graduate Courses.** These courses are given only for graduate credit and cannot be taken for credit toward the bachelor's degree.

2. **Combined Courses.** These courses are regular graduate courses which are intended primarily for graduate students, but to which by special arrangement a few well qualified seniors are admitted for undergraduate work.

3. **Advanced Undergraduate Courses.** These courses are regular senior courses—or, in some cases, junior or senior courses—intended primarily for undergraduate students, but to which by special approval of the Graduate Committee, graduate students may be admitted for credit. Only such courses as have not been taken by the candidate during his undergraduate work will be considered for approval by the committee.

**Grades.** No courses will be credited toward the master's degree if the grade is lower than B.

**Credit.** No course will be accepted for Graduate Credit unless registration for such course has been approved by the Graduate Committee.

**Extension Credit.** The above regulation applies to students in extension courses. However, extension students will be allowed a period not exceeding two weeks from the first meeting of the class to satisfy these requirements.

**Oral Examination.** In addition to the regular written examinations, of which the department in which the subject is taken is in charge, all candidates for the master's degree, on completion of their class work and laboratory work, are subject to a general oral examination by the Graduate Committee and such members of the staff as may be appointed for that purpose by the Graduate Committee. Such oral examination may cover all or any part of the work of the graduate student. The time of the oral examination is fixed by the Graduate Committee.

**Professional Degrees.** An Engineering graduate of Texas Technological College may become a candidate for a professional degree of which the following are available: Chemical Engineer, Civil Engineer, Electrical Engineer, Geological Engineer, Mechanical Engineer, Textile Engineer.

The requirements for any of these degrees include acceptable professional experience, a thesis, and an examination. Professional degrees in Engineering will be conferred only on the recommendation of the Graduate Committee and the faculty of the College.

A written application stating the degree desired must be submitted to the Graduate Committee not later than January 1, next preceding the date when the degree is to be conferred. This application shall include (a) a report or outline of the professional work upon which the application is based together with whatever documentary evidence may be considered pertinent, and (b) an outline of the thesis.

The professional work must comprise at least four full years subsequent to graduation, two years of which must have been in positions of responsible charge. In order to be accepted by the Graduate Committee the professional work must have been approved by the head of that department concerned and by the Dean of the Engineering Division.

Before submission to the Graduate Committee, the outline of the thesis must have been approved by the head of the department directly concerned. This thesis must constitute a distinct contribution to engineering, must be of an analytical character, and may not be merely a descriptive discussion of an engineering project nor a digest of engineering literature.

Master's degrees in Engineering will be accepted in lieu of two years of professional experience, but will not be considered as of responsible charge.

## DEPARTMENT OF EXTENSION

J. F. McDONALD, DIRECTOR

Texas Technological College through the Department of Extension offers approximately two hundred and fifty courses to those who cannot attend the regular scheduled classes. Correspondence and extension class work offered by the Department of Extension have been approved by the Association of Texas Colleges, and the Department is a member of the National Extension Association.

### WORK

The extension service includes: (1) correspondence instruction, (2) extension class work in centers away from the campus, (3) night extension classes on the campus, (4) adult, non-credit courses, (5) group-study courses for clubs and lectures.

### OBJECTIVES

The extension service is organized to meet the needs of the following classes of students: (1) those who are working toward a degree or a teacher's certificate, (2) those who need to prepare for college entrance, or to remove deficiencies in college entrance units, (3) those who desire to enroll for certain subjects which are not available in the regular daily schedule of the College, and (4) those who choose to take certain subjects for cultural or practical purposes, whether they can or cannot, meet the college entrance requirements.

### REGULATIONS

1. One fourth of the work required for a Bachelor of Arts degree, and one half of the work required for a teacher's certificate may be done by correspondence study. Also certain courses in Agriculture, Engineering, and Home Economics are available by correspondence. Additional work may be done through extension classes. Both graduate and undergraduate courses may be taken through extension classes.

2. The registration fee for each correspondence or extension course of one semester hour is \$5.00; of two semester hours, \$10.00; and of three semester hours, \$15. All fees are payable in advance and are not refunded. Extra fees may be charged in case of laboratory courses.

3. Students who desire college credits must meet college entrance requirements. But students over twenty-one years of age may enroll on the basis of individual approval of the dean.

4. A resident student may begin or continue work in the Department of Extension, only with the approval of his dean.

5. Persons who are regularly employed, e. g., teachers, are limited to the average of two correspondence or extension courses each semester.

6. A student who makes a grade of F on a residence course may register for the same course by correspondence only on written approval of the instructor and the dean of the division concerned.

7. In correspondence courses, a self-addressed stamped envelope with sufficient stamps must be enclosed each time for the return of the lesson sheets to the student.

8. At least one lesson each week in a correspondence course should be sent to the instructor. The course should be completed within three to four and one-half months. A course of two semester hours may not be completed in less than thirty days, nor of three semester hours in less than forty-five days, without special permission. A course must be begun within three months or become inactive. A fee of one dollar may be charged to restore it to the active list. The course expires at the end of twelve months.

9. Correspondence courses and extension class courses for credit are the equivalent as to content of the corresponding residence courses.

10. If college credit is to be given, the courses taken by extension must be concluded by final examinations.

11. The examinations must be taken under the supervision of the instructor, or of an official examiner, who is usually a county superintendent or a city superintendent.

12. In correspondence work, when a student is ready for the final examination he sends an examination fee of one dollar to the Department of Extension. There is no fee, however, when the examination is taken on the College campus.

13. Textbooks may be purchased from the Bookstore, Texas Technological College, Lubbock, Texas, or from the publishers.

14. Collateral books needed for a course, when available, may be obtained from the College Library for two months upon depositing \$5 to cover loss or damages of books and service charge. The deposit, less a service charge of \$1, fines, if any, and cost of mailing the books, will be refunded upon the return of the books. Or, the advance payment of a service charge of \$3.00 per year will secure the use of available collateral library books for three or more courses, subject to the same rule as to deposit, fines, and postage and time limit as stated above. The library deposit should be sent direct to the Texas Technological College Library.

### CORRESPONDENCE COURSES OFFERED

Subjects numbered from 100 to 200 are freshman courses; from 200 to 300, sophomore courses; and from 300 up, advanced courses. The college entrance courses are listed at the close of the college courses. For a full description of the college courses, including the prerequisites, see the corresponding numbers and titles under the respective departments of the College, in other parts of this catalogue.

The middle number of a course shows the credit given for the successful completion of the course, in semester hours. To illustrate: The number "3" in Agronomy 131x shows a credit value of three semester hours.

#### **Agricultural Economics and Farm Management.**

- 231x-2x. Principles of Economics.
- 235x. Principles and Theories of Economics.
- 234x. Principles of Agricultural Marketing.
- 321x. Cooperation in Agriculture.
- 421x. Land Economics.
- 423x. Farm Management.

#### **Agronomy.**

- 131x. The Fundamentals of Crop Production.
- 221x. Soils.

#### **Animal Husbandry.**

- 231x. Breeds of Livestock.
- 331x. Animal Nutrition and Principles of Feeding.

#### **Dairy Manufactures.**

- 131x. Principles of Dairy Manufacturing.

#### **Horticulture.**

- 131x. Plant Propagation.
- 231x. Vegetable Gardening.
- 322x. Landscape Appreciation.

#### **Rural Sociology.**

- 422x. Rural Sociology.

#### **Bible.**

- 137x-8x. Old Testament and New Testament Survey.
- 234x. The Life of Christ.
- 335x. The Poetical Sections of the Old Testament.
- 336x. Building the Bible Between the Testaments.
- 431x. The Prophets.

#### **Biology.**

- 221x. Teaching of Biology.
- 231x. Heredity and Evolution.

#### **Chemistry.**

- 330x. Teaching of Chemistry.

#### **Drawing.**

- 132x-3x. Engineering Drawing.

#### **Economics and Business Administration.**

- 231x-2x. Principles of Economics.



- 233x. Economic Development of Europe.
- 234x-5x. Introduction to Accounting.
- 331x. Money and Banking.
- 334x-5x. Business Law.
- 431x. Office Management.
- 432x. Advertising.

**Education: Freshman and Sophomore.**

- 131x. Introduction to Education.
- 132x. Classroom Management and Methods.
- 133x. Methods in Elementary English.
- 229x. Rural Education.
- 231x. Educational Psychology.
- 232x. History of Education.
- 233x. School Health and Hygiene.
- 234x. Principles of Secondary Education.
- 235x. High School Methods.
- 236x. Kindergarten-Primary Education.
- 237x. English in the Primary Grades.
- 238x. Literature in the Primary Grades.

**Education: Advanced.**

- 311x. Ethics of the Teaching Profession.
- 320x. The Elementary Principal.
- 330x. The Elementary and High School Principals.
- 331x. Principles of Education.
- 332x. High School Problems.
- 3321x. Economic and Social Background of the Rural High School.
- 325x. The Junior High School.
- 335x. Group Study.
- 336x. Educational and Vocational Guidance.
- 337x. Methods in Classroom Tests.
- 338x. Every Teacher's Problems.
- 431x. Education in the United States.
- 432x. Public School Administration.
- 433x. School Publicity.
- 434x. Supervision of Instruction.
- 425x. Extra-Curricula Activities.
- 426x. The Curriculum (Orientation).
- 429x. Techniques of Curriculum Construction.

**Education: Psychology.**

- 230x. Introduction to Psychology.
- 231x. Educational Psychology.
- 331x. Child Psychology.
- 332x. Advanced Educational Psychology.
- 333x. Measurements in Education.
- 335x. The Psychology of Adolescence.
- 337x. General Psychology.
- 431x. Mental Tests.

**Education: Special Methods.**

- 221x. Methods of Teaching Biology.
- 231x. Methods of Teaching Arithmetic.
- 230x. Methods of Teaching Chemistry.
- 233x. Methods of Teaching Physics.
- 330x. Methods of Teaching History in the High School.
- 3310x. Methods of Teaching English in High School.
- 339x. Methods of Teaching Latin.
- 435x. Methods of Teaching Spanish.

**Education: Freshman and Sophomore.**

- 131x-2x. Freshman Composition.
- 231x-2x. Introduction to Literature.
- 233x. Technical Writing. (Engineering).
- 234x. Special Work on Correct Usage. (Agriculture).

**English: Advanced.**

- 332x. History of the English Language.
- 334x. American Drama: From the Beginning to 1865.
- 335x. American Drama: 1865 to the Present.
- 337x. Grammar for Speech. (Advanced Grammar)
- 338x. American Poetry: Bradstreet to Whitman.
- 339x. American Poetry: Emily Dickinson to the Present.

- 3310x. The Teaching of English in the High Schools.
- 3311x. English in Business Practice.
- 3312x. Advanced Composition.
- 3313x. Contemporary English Poetry.
- 3314x. Biblical Literature.
- 431x. Restoration and Eighteenth Century Drama.
- 432x. Shakespeare and the Background.
- 433x. Shakespeare Criticism.
- 434x. Milton.
- 435x. English Romanticism: Wordsworth and Coleridge.
- 436x. English Romanticism: Scott, Shelley, Keats, Byron.
- 438x. Nineteenth Century English Prose: McCauley, Lamb, Carlyle and others.
- 439x. Contemporary Drama: Ibsen to Shaw.
- 4310x. English Poets of the Nineteenth Century: Tennyson, Browning, and others.
- 4311x. English Poets of the Nineteenth Century: Rossetti, Morris, Swinburne and others.
- 4312x. The Age of Johnson: Johnson and His Circle.
- 4313x. Literary Biography: Works of Cellini, Pepys, Boswell, Franklin, Strachy, Bradford.
- 530x. The Contemporary Short Story: Cobb, Conrad, Dreiser, Galsworthy, Wells, and others.
- 531x. The American Novel: Howells, James, Garland, Wharton, Cather and others.
- 532x. The English Novel: Lyly to Scott.
- 533x. Types of English and Foreign Fiction: Dickens, Thackeray, Bronte, Hardy.
- 5310x. The Structure of the Novel: Elements of the Novel.

**English: Journalism.**

- 231x. Newspaper Reporting and Writing.
- 232x. Copy Reading and Headline Writing.
- 330x. Typography.
- 331x. Special Feature Writing.
- 332x. Magazine Article Writing.
- 333x. Problems of the Community Newspaper.
- 335x. History of American Journalism.
- 430x. Principles of Journalism.
- 431x. Critical Writing.
- 432x. High School Publications.
- 434x. Editorial Writing.
- 435x. Principles of Advertising.
- 436x. Advertising Copy and Layout.

**French.**

- 131x-2x. A Beginning Course in French.
- 231x-2x. A Reading Course in French.
- 233x. Scientific French.
- 331x-2x. Contemporary French Literature.

**Geography.**

- 122x. Economic Geography.
- 131x-2x. Principles of Geography.

**Geology.**

- 121x. Principles of Geology.

**German.**

- 131x-2x. A Beginning Course in German.
- 231x-2x. A Reading Course in German.
- 233x-4x. Scientific German.

**Government.**

- 131x. American Government, National.
- 132x. American Government, State.
- 231x. Introduction to Political Science.
- 232x. Modern Governments.
- 320x. American Government, National and State.
- 331x. Local Government.
- 334x. American Political Parties, Party Analysis.
- 431x-2x. American Constitutional Law.
- 435x-6x. International Law.

**History.**

- 131x-2x. History of Civilization.
- 133x-4x. Economic and Political History of England.
- 231x-2x. Economic and Political History of United States.
- 330x. Teaching of History in the High School.

**Home Economics.**

- 131x. Applied Arts: Elementary Design.
- 133x. Foods: Principles of Food Selection.

**Latin.**

- 131x-2x. A Beginning Course in Latin.
- 231x-2x. Reading and Composition.
- 233x-4x. Cicero's De Senectute and De Amicitia, The Phormio of Terrence, and The Odes of Horace.
- 339x. Methods of Teaching Latin.

**Library Training.**

- (In cooperation with University of Minnesota).
- 121x. Elementary Classification.
- 122x. Elementary Cataloging.
- 123x. Elementary Reference. (Access to Library Required).

**Mathematics.**

- 101x. Solid Geometry.
- 121x-2x. Algebra (Engineering).
- 130x. Algebra (Liberal Arts).
- 131x. Trigonometry.
- 132x. Analytics.
- 135x. Mathematics for Students of Home Economics.
- 137x-8x. Business Mathematics.
- 221x. Teaching of Arithmetic.
- 222x. College Geometry.
- 231x-2x. Mathematics for Students of Agriculture.
- 233x. Applications of the Calculus.
- 235x-6x. Analytic Geometry.
- 237x. Mathematical Theory of Life Insurance.
- 238x. Statistics and Economic Problems.
- 251x. Calculus.
- 321x. Elementary Differential Equations. (Engineering).
- 333x-4x. Advanced Algebra.
- 335x. Differential Calculus.
- 336x. Integral Calculus.

**Music.**

- 121x-2x. Solfeggio I. (Elementary Music).
- 221x-2x. Solfeggio II. (Elementary Music, Advanced).
- 123x-4x. Harmony I. (Elementary).
- 223x-4x. Harmony II. (Advanced).
- 237x-8x. Music History.
- 327x-8x. Counterpoint.

**Music: Band.**

- 321x. Band Conducting and Methods.\*
- 421x. Band Conducting and Methods.\*
- 422x. Band Conducting and Methods.\*

**Philosophy.**

- 231x. Elements of Ethics.
- 232x. Logic.
- 233x. Introduction to Philosophy.
- 431x. Aesthetics.
- 436x. Philosophy of Religion.

**Physical Education.**

- 230x. Principles of Health Education.
- 337x. History of Physical Education.
- 339x. Principles of Physical Education.

**Physics.**

- 233x. Teaching of Physics.
- 333x-4x. Electricity and Magnetism.

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\*By correspondence and conference work.

**Sociology.**

- 231x. Introduction to Sociology.
- 331x. Social Pathology.
- 332x. Rural Sociology.
- 333x. Current Social Problems.

**Spanish.**

- 131x-2x. A Beginning Course in Spanish.
- 231x-2x. Grammar, Reading and Compositions.
- 331x-2x. Contemporary Literature.
- 333x-4x. Commercial Spanish.
- 435x. Teachers' Course in Methods of Teaching Spanish.
- 436x-7x. Advanced Grammar and Composition.

### CORRESPONDENCE COURSES TO MEET COLLEGE ENTRANCE REQUIREMENTS

The following college entrance courses are now available. The fee for each, unless otherwise specified, is \$10, payable in advance.

- Agriculture,  $\frac{1}{2}$  to 1 unit.
- Bookkeeping,  $\frac{1}{2}$  unit, \$10; 1 unit, \$15.00.
- Commercial Geography,  $\frac{1}{2}$  unit.
- Economics,  $\frac{1}{2}$  unit.

**English.**

- Composition and Rhetoric, 1 unit.
- American Literature and Composition, 1 unit.
- English Literature and Composition, 1 unit.
- Journalism: Newspaper Feature Writing, 1 unit, \$15.00.

**History and Civics.**

- Ancient History, 1 unit.
- American History,  $\frac{1}{2}$  to 1 unit.
- Civics,  $\frac{1}{2}$  to 1 unit.
- English History,  $\frac{1}{2}$  to 1 unit.
- Modern History, 1 unit.

**Mathematics.**

- Commercial Arithmetic,  $\frac{1}{2}$  unit.
- Algebra 1: Beginners' Course, 1 unit.
- Algebra 2: Continuation of Algebra 1, 1 unit.
- Plane Geometry:  $\frac{1}{2}$  unit, \$10.00; 1 unit, \$15.00.
- Solid Geometry,  $\frac{1}{2}$  unit.
- Trigonometry,  $\frac{1}{2}$  unit.

Spanish I, \$15.00.

Spanish II, \$15.00.

Typewriting,  $\frac{1}{2}$  unit.

### EXTENSION CLASS INSTRUCTION

Extension classes are organized in centers, upon request of a sufficient number of students, depending upon the distance. Residence credit is granted for extension class instruction except that the student must meet the actual residence requirements in the college provided for in section 1 under requirements for graduation. Both graduate and undergraduate courses are available. The fee is \$15.00 per semester. Those interested in securing centers should communicate with the Director of Extension.

### NIGHT CLASSES ON THE COLLEGE CAMPUS

Night classes, meeting once or twice a week, as may be arranged, are organized upon the request of a reasonable number, usually ten. Both graduate and under-graduate courses are available. In some instances both credit and non-credit courses are given. The credits will count as residence credits, and will satisfy degree or certificate purposes. The fee for any subject is generally \$15.00 per semester. A laboratory fee is charged for the laboratory sciences.

### GROUP-STUDY INSTRUCTION

This service includes study outlines, package libraries for reference, and lectures. Details are given upon request.

### FURTHER INFORMATION

For further information in regard to extension courses, write the Director of Extension, Texas Technological College, Lubbock, Texas.

## SUMMER SESSION

The summer session of Texas Technological College is an integral part of the college year. All courses offered in the summer have the same credit as in other semesters. Summer session attendance has steadily grown from 336 the first year to 1970 in 1934. The entire College plant is available for use, and many of the regular faculty, assisted by various specialists of recognized standing, offer both regular and special courses.

The summer school is designed to fill a number of needs. A student may be in arrears in certain subjects and find it necessary to attend summer school so as to complete these and thus save practically a year's work because of the order in which some courses have to be approached. The summer school likewise serves the entering student who may thus start his studies in June instead of September. In fact, in some phases of instruction, three years and three summer sessions may answer just as well as the usual four years. The summer session is especially helpful to teachers and to others who find it impractical to be in college during the long session.

For the accommodation of those who cannot devote the entire summer to study but who desire college credit, the summer session is divided into two terms. Students may enter for either term or for both terms.

Certain courses, such as the laboratory sciences, mathematics, and observation and practice teaching, are arranged so that persons desiring to fulfill degree requirements may complete for credit more than the usual amount of work in these subjects in any one term. The work is so arranged that by concentrating on a given subject a student may in this subject complete a year's work.

Courses are offered both terms by which a teacher's certificate of any class may be extended for one year, provided the certificates expire that year and after the summer session opens.

At the close of the second term of the summer session, graduation exercises are held and degrees are conferred.

In general, classes in the Summer Session are scheduled in the morning periods in order to allow for study and recreation in the afternoons and evenings. The College considers recreation an essential part of the work of the Summer Session and sponsors a varied entertainment program for the students and faculty of the Summer School.

Of special interest to many students in the Summer School are the various field courses which are offered each summer. Such courses are usually offered by the Departments of Biology and Geology. In the session of 1935 the Department of Foreign Languages is sponsoring a course in Spanish Civilization to be given in Mexico City, and the Department of Agricultural Economics and Farm Management is sponsoring a field trip through the Western states. These field courses carry regular college credit and at the same time afford pleasant and profitable recreation.

### THE 1936 SUMMER SESSION

The summer session of 1936 will Open Tuesday, June 9. The description of the courses offered as well as details concerning the staff will be published in the Summer Session number of the College Bulletin for February, 1936. This bulletin may be obtained by writing to the Registrar of the College.

## ENROLLMENT

## REPORT OF ENROLLMENT FOR THE YEAR 1934-35

## (LONG SESSION)

	Fresh- men	Sopho- mores	Juniors	Seniors	Gradu- ates	Totals
Agriculture .....	96	55	33	48	11	243
Engineering .....	193	131	66	70	5	465
Home Economics .....	98	89	41	49	0	277
Business Administration .....	211	130	62	27	7	437
Education .....	58	52	53	38	36	237
Sciences .....	104	77	48	34	10	273
General .....	265	207	131	105	44	752
Totals .....	1025	741	434	371	113	2684

## REPORT OF ENROLLMENT FOR THE SUMMER SESSION, 1934

	Fresh- men	Soph- omores	Juniors	Seniors	Gradu- ates	Unclass.*	Total
Agriculture .....	8	26	18	15	26	6	99
Engineering .....	20	32	19	17	0	8	96
Home Economics .....	29	58	53	28	0	46	214
Business Admin. ....	27	42	19	4	9	6	107
Education .....	45	179	151	53	90	9	527
Sciences .....	28	42	45	17	29	26	187
General .....	95	197	186	82	111	69	740
Totals .....	252	576	491	216	265	170	1970

## EXTENSION

Enrollment in extension classes .....	787
Enrollment in correspondence courses .....	616
Totals, June 1, 1934 to June 1, 1935 .....	1403

\*Students who enrolled for Coaching School only, and for Home Economics special courses.

## ATTENDANCE 1925-1935\*

Year	Long Session	Summer Session	Extension	Totals
1925-26 .....	1043	336		1379
1926-27 .....	1535	677		2212
1927-28 .....	1682	965	386	3033
1928-29 .....	2088	1298	820	4206
1929-30 .....	2353	1316	1098	4767
1930-31 .....	2319	1556	1227	5102
1931-32 .....	2155	1606	1011	4772
1932-33 .....	2332	1288	833	4453
1933-34 .....	2361	1970	1236	5567
1934-35 .....	2684	1546**	1403	5633

\*Does not include enrollment in short courses.

\*\*Summer Session, 1935, as of July 1, 1935, First Term Only; subject to further additions for Second Term, Summer School.

## SHORT COURSES ATTENDANCE, 1934-35

Coaching School .....	473
Cotton Classing .....	24
Home Economics Nursery School .....	17
Totals .....	514
Grand Totals for Year .....	6571

## Services by Division of Agriculture, 1934-35

Meetings and Conferences Sponsored by Departments:	
Agricultural Economics and Farm Management .....	2650
Animal Husbandry .....	1295
Dairy Manufactures .....	1035
Plant Industry .....	710
Vocational Agricultural Education .....	2778
Total for Division of Agriculture .....	8468

## Other Services by Division of Engineering, 1934-35

Welding Conference .....	271
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## Other Services by Division of Home Economics 1934-35

Adult Education classes in Home Economics .....	18
Total for meetings and conferences (non-credit) .....	8757

## DEGREES CONFERRED 1927-1935\*

Division of Agriculture	
Bachelor of Science .....	164
Master of Science .....	3
Division of Engineering	
Bachelor of Science .....	213
Division of Home Economics	
Bachelor of Science .....	148
Division of Arts and Sciences	
Bachelor of Business Administration .....	72
Bachelor of Arts in Education .....	221
Bachelor of Arts in Sciences .....	282
Bachelor of Arts in Social Sciences .....	203
Bachelor of Arts in Languages and Music .....	338
Bachelor of Science in Education .....	15
Master of Arts .....	141
Master of Science .....	2
Total degrees conferred .....	1802

\*This does not include graduates for August, 1935.



## SCHOLARSHIPS AND PRIZES

The following scholarships and prizes were awarded for the year 1934-35: Standefer-Canon Award to the student among the football letter men making the highest grades for the year, awarded to John Prim, of Pawnee, Oklahoma, whose name is to be inscribed on the silver football plaque in the athletic office.

Pan-Hellenic Society Prize of \$40 to the freshman student in the Division of Home Economics making the highest grades in all of her work for the year, awarded to Pauline Anne Edgett, of Lubbock, Texas.

Gargoyle Club Prize—this year the book, "Italian Sculptors," by W. G. Waters—to the freshman student doing the best work either in Architecture, Architectural Engineering, or Commercial Art, awarded to Ross Wayne Dowdy, of Childress, Texas, a freshman student in Commercial Art.

Faculty of the Department of Architecture and Allied Arts Prize—the book, "The Life and Works of Baldassare Peruzzi", by William Kent—to the student doing the best work in Architectural Design, awarded to Atmar Atkinson, Anton, Texas, and a second copy to the student for the best performance in Architectural Engineering, awarded to William Frank Bates, of Pasadena, California.

Textile Colorist Medal for the highest ranking senior Textile student with Textile Chemistry Option, awarded to Elliot Knox, of Roby, Texas.

National Association of Cotton Manufacturers Award for the highest ranking senior student in Textile Engineering awarded to Worth Gamel, of Lubbock, Texas.

Mary Overton Craig Prize in Chemistry given by Dr. and Mrs. William M. Craig in memory of Mary Overton Craig to the young man of the sophomore class who shows the greatest promise as a future chemist awarded to H. A. Holcomb, Jr., of Wellington, Texas.

### HONORS 1934-35

#### Senior Having Highest Scholastic Standing

James A. Toothaker, Santa Fe, New Mexico—A Average.

#### Seniors Having Highest Scholastic Standing

Lawrence Shipman, Quemado, Texas,—A minus Average—Division of Agriculture.

Walter Labay, Granger, Texas,—A minus Average—Division of Agriculture.

Howard Hurmence, Lubbock, Texas,—A minus Average—Division of Engineering.

Gertrude Samson, Post, Texas,—B plus Average—Division of Home Economics.

James A. Toothaker, Santa Fe, New Mexico—A Average—Division of Arts and Sciences.

## DEGREES CONFERRED 1933-34

June 5, 1934

## DIVISION OF AGRICULTURE

## Degree of Bachelor of Science in Agriculture

	Major Study
Owen Benn, Abernathy .....	Dairy Manufactures
Mardes Clayton, Gail .....	Agricultural Economics
Ralph R. Cogdell, Crowell .....	Agronomy
Jack Downs, Saragosa .....	Animal Husbandry
William W. Gregory, Lubbock .....	Animal Husbandry
Joseph Walter Harter, Marlin .....	Dairy Manufactures
Wilson B. Holden, Jr., Clarksburg, W. Va. ....	Horticulture
Odis Ben Holly, Spur .....	Animal Husbandry
Harlan Marston Howell, Brownfield .....	Animal Husbandry
T. L. Leach, Brownwood .....	Animal Husbandry
Norman Kenin Snodgrass, Lubbock .....	Animal Husbandry
Enoch Richard Steen, Loving .....	Agronomy
J. D. Strickland, Silverton .....	Animal Husbandry
Ira Lee Sturdivant, Springtown .....	Agricultural Economics
Wilson Nelms Weddle, Bonham .....	Dairy Manufactures
Jesse C. Young, Jr., Cotulla .....	Animal Husbandry

## DIVISION OF ENGINEERING

## Degree of Bachelor of Science in Architectural Engineering

Ralph V. Davis .....	El Paso
Emmitt Clifford Simmons .....	Santa Anna

## Degree of Bachelor of Science in Civil Engineering

William Lofton Baugh, Jr. ....	Lubbock
Grover Green .....	Gainesville
Clyde Noble James, Jr. ....	Lubbock
Jean Jeffus .....	Plainview
John A. Lindsey, Jr. ....	Lubbock
James Allen Loughridge .....	Waco
William Falconer Luce .....	Lubbock
Oliver R. McElya .....	Lubbock
Jim Frank Potts .....	Lubbock
Van Earl Sams .....	Benjamin
Robert Earl Sparks .....	Abilene
William Ray Watts .....	Post

## Degree of Bachelor of Science in Chemical Engineering

John Sigler Ball .....	Lubbock
Stiles M. Roberts .....	Lubbock
Frank Jacob Spuhler, Jr. ....	Tucumcari, N. Mex.
George William Stanton .....	Lubbock
Arledge Stokes .....	Abilene
Frank Hill Stone .....	Panhandle
Elva Eugene Watkins .....	Santa Anna
Gerald Leroy Wherry .....	Sunray

## Degree of Bachelor of Science in Electrical Engineering

James Morgan Buie .....	Ft. Worth
Nathan Huff Christopher .....	Lubbock
John Narl Davidson .....	Portales, N. Mex.
Sanford H. R. Gabrielle .....	Nashville, Tenn.
George Howell Gray .....	Lubbock
Williard F. Gray .....	Tyler

Willet Kuhn .....	Weatherford
Morrison Woodrow Liston .....	Wills Point
William Theodore Rowley .....	San Antonio
Anton Benhardt Ullrich .....	Waco

#### Degree of Bachelor of Science in Geological Engineering

Howard Houston Hinson .....	Lubbock
Everett Randolph Perkins .....	Ennis

#### Degree of Bachelor of Science in Mechanical Engineering

Marshall Bagwell .....	Lubbock
Henry Lawrence Godeke .....	Lubbock
Raymond Earl Johnson .....	Tyler
Thomas Tengler Kral, Jr. ....	Roby

#### Degree of Bachelor of Science in Textile Engineering

Don Maddox .....	Menard
William Kenan Wilder .....	Pampa

### DIVISION OF HOME ECONOMICS

#### Degree of Bachelor of Science in Home Economics

	Major Study
Freddis Opal Adkins, Lubbock .....	Home Economics Education
Florence Eunice Barrett, Lubbock .....	Home Economics Education
Vivian Christine Berrier, Maypearl .....	Foods and Nutrition
Evaughn Marcile Clack, Durant, Okla. ....	Home Economics Education
Ruby Maurine Havis, Lubbock .....	Home Economics Education
Sammie Marie Hitt, Lubbock .....	Home Economics Education
La Zette Leona Kunkel, Lubbock .....	Home Economics Education
Mary Elizabeth Leidigh, Lubbock .....	Foods and Nutrition
Dollie Mae Linn, Lubbock .....	General Home Economics
Edna Earl McGregor, Knott .....	Home Economics Education
Doris Kathleen Shields, Lubbock .....	Clothing and Textiles
Wilda Spikes, Ralls .....	General Home Economics
Wilma Spikes, Ralls .....	General Home Economics
Mary Louise Thomas, Lubbock .....	Home Economics Education
Ruth Anna Thompson, Lubbock .....	Home Economics Education
Mary Glee Wilbanks, Spearman .....	Home Economics Education

### DIVISION OF ARTS AND SCIENCES

#### Degree of Bachelor of Business Administration

Chung Wo Au .....	Hong Kong, China
Wendell Oren Bearden .....	Lubbock
James Marvin Collier .....	Lubbock
Luta Pelham Eaves .....	Lubbock
Leon Palmer Fisher .....	Memphis, Tex.
Ward Seavey Garrison .....	Lubbock
Thomas Ray Headstream .....	Roby
William Franklin Holmes .....	Shamrock
Winifred Howard Massay .....	McLean
Eugene Randolph Mitchell .....	Collinsville
Elmore Sims Plemmons .....	Matador
B. Weldon Scarbrough .....	Lubbock
George Harold Simms .....	Panhandle
Charles Edward Thomas .....	Lubbock
Max Eliot Waghorne .....	Lubbock
Milton Emerson West .....	Lubbock
George Apostalas Zarafonitis .....	Hillsboro

#### Degree of Bachelor of Arts—Education

Mary Lee Bardwell .....	Lubbock
Jennie Frances Barks .....	Tulia

Anna Lou Bennett .....	Arlington
Effie Paulsel Branton .....	Knox City
Bland Burckhardt .....	Ft. Worth
Vada Lorene Cassel .....	San Antonio
Othella Raymond Childress .....	Chillicothe
Gordon Morris Deering .....	Mason
Anna Belle Willis Donaldson .....	Lubbock
Quill Lesesne Hearn .....	Lubbock
Charlotte Temple Jones .....	Point Rock
Wylie Stell Ledger .....	Cisco
Lillie Dale Moore .....	Ennis
Nora Gladys Neal .....	Lubbock
Louise Rankin .....	Abernathy
Wilma Bartlett Scoggin .....	Lubbock
Grace Creighton Smith .....	Lubbock
Floyce Adelyn Snodgrass .....	Lubbock
Lenora Stewart .....	Waco
Mildred Crabtree Speer .....	Channing
Bertha Helen Triplitt .....	Lubbock
Pearl Hoback Watson .....	Lubbock
Laura Gray Williamson .....	Lubbock

#### Degree of Bachelor of Science in Education

Martel Prideaux Bryant .....	Stephenville
Cora Lela Gill .....	Silverton

#### Degree of Bachelor of Arts—Sciences

	Major Study
Ursel Sidney Armstrong, Panhandle .....	Geology
Lois Christine Bailey, Spearman .....	Economics and Business Administration
Felix Ballenger, Lubbock .....	Chemistry
Frances Ruth Benson, Amarillo .....	Mathematics
Pat Claggett Caruthers, Kopperl .....	Economics and Business Administration
William Frank Cole, Ropesville .....	Physics
Catherine Clay Cox, Big Spring .....	Chemistry
Winslow Augustus Dahnke, Boyce .....	Economics and Business Administration
Chapman Davis, Sulphur Springs .....	Economics and Business Administration
Harry Lee Guthrie, Mesa, Arizona .....	Chemistry
Thyra Hortense Hicks, Roswell, N. Mex. ....	Economics and Business Administration
Hobson Howell, Paducah .....	Mathematics
Norris Kelton, Baird .....	Chemistry
John Henry Lock, Jacksonville .....	Geology
Vora Victoria Lowe, Lubbock .....	Economics and Business Administration
Townsend Roderick O'Neill, Lubbock .....	Geology
Frances Parkinson, Amarillo .....	Mathematics
Hubert P. Powers, Colorado .....	Chemistry
Cecil Odel Schwalbe, Jonesboro .....	Mathematics
Howard Winfred Scott, Madill, Okla. ....	Chemistry
Carroll Hale Thompson, Lubbock .....	Chemistry

#### Degree of Bachelor of Arts—Social Sciences

	Major Study
Robbie Elizabeth Allen, Elida, N. Mex. ....	History
Hubert Lasater Allensworth, Lubbock .....	Government
Fay Brown, Lubbock .....	History
Eloise Cook, Lameta .....	History
Jimmie Virginia Hash, El Paso .....	History
Daisimay Humphries, Austin .....	History
Ione M. Hutchinson, Lubbock .....	History
Ruth Maurine Moore, Lott .....	History
William Robinson O'Hair, Lubbock .....	Government

Charles F. O'Neill, Lubbock .....	Government
Lucia McIlvain Owens, Van .....	History
Audrey Peveto, Lubbock .....	History
Roger Quarles Pierce, Lubbock .....	Government
Elsie Marie Reddell, Plainview .....	History
Leo Carl Riethmayer, Lamesa .....	Government
Garland Fletcher Smith, Lubbock .....	Government
Lenore M. Tunnell, Tahoka .....	Government
Floy Farrar Wilbanks, Walnut Springs .....	History
Oran Orville Williams, Montague .....	Government

#### Degree of Bachelor of Arts—Language and Music

	Major Study
Mary Elizabeth Alexander, Lubbock .....	English
Oneita Blanton, Munday .....	English
Addie Sue Brown, Lubbock .....	Public School Music
Grace Anne Cade, Wilson .....	English
Emma Louise Campbell, Lubbock .....	English
Virgil Ray Culp, Levita .....	English
Ruth Donnell, Lubbock .....	Public School Music
John Evelynne Garlington, Littlefield .....	Public School Music
Jay Edmond Gordon, Lubbock .....	Spanish
Evelyn Gullede, Lubbock .....	English
Hazel Spykes Hanback, Lubbock .....	English
Evelyn Gail Heatly, Lubbock .....	English
Eulala Henderson, Lubbock .....	Speech
Eva Ferne Holland, Lubbock .....	Public School Music
Kathleen Virginia Jennings, Plainview .....	English
Clara Powell Key, Hale Center .....	English
Leota Geraldine Kirkpatrick, Littlefield .....	English
Margaret Lindsey, Lubbock .....	Spanish
Lucille McCrummen, Lubbock .....	Spanish
Roberta Myrick, Lubbock .....	English
Winona Virginia Pardue, Lubbock .....	Public School Music
Ila Steele Patterson, Quitaque .....	Spanish
Christina Pitts, Hillsboro .....	English
Harriette Louise Roach, Lubbock .....	Speech
Ruth Mildred Rylander, Lubbock .....	Public School Music
Lena Grace Sanderson, San Saba .....	Journalism
Eleanor Simmons, Lubbock .....	English
Eugenia Smith, Sherman .....	English
Margaret Maxene Smith, Lubbock .....	English
Zona Stiles, Annona .....	Speech
Parker H. Taulman, Ft. Worth .....	Journalism
Bonnie Lee Thomas, Lubbock .....	Journalism
Tacy Turner, Claude .....	English

#### Degree of Master of Arts

- Mrs. Ada Louise Wolfe, San Jose, California; B. A., San Jose State College; Education, thesis—"Effects of the Discovery and Use of Intelligence Tests on Educational Theories."
- Alberto Melendez, Guatemala, Central America; B. A., Texas Technological College; History, thesis—"A Survey of Agriculture in Texas in 1910."

#### Degree of Master of Science

- Allen Henry Burkhalter, Lubbock; B. A., Texas Technological College; Physics, thesis—"Observation of the Variation of the Dielectric Constant of Air with Pressure."
- Maurice Pearce Vannoy, Lubbock; B. S., Texas Technological College; Animal Husbandry, thesis—"Grain Sorghums for Milk Production."

August 24, 1934

## DIVISION OF AGRICULTURE

## Degree of Bachelor of Science in Agriculture

Fredrick Elva Baker, Abilene .....	Dairy Manufactures
Albert Golburn Greer, Comanche .....	Dairy Manufactures
George Glenn Hunter, Gilmer .....	Dairy Manufactures

## DIVISION OF ENGINEERING

## Degree of Bachelor of Science in Chemical Engineering

Charles Oquin Meyers .....	Lamesa
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## Degree of Bachelor of Science in Geological Engineering

Ralph Bernard Cantrell .....	Mexia
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## Degree of Bachelor of Science in Textile Engineering

Dennis Trammel Austin, Jr. ....	Mount Pleasant
Ford C. Benham, Jr. ....	Lubbock

## DIVISION OF HOME ECONOMICS

## Degree of Bachelor of Science in Home Economics

Mary Barnett, El Paso .....	Home Economics Education
Pauline Garringues, Slaton .....	Clothing and Textiles
Emma May Hastings, Lubbock .....	Home Economics Education
Lucille Hunt, Claude .....	Foods and Nutrition
Letha Eloise Lancaster, Teague .....	Home Economics Education
Mary Edna Turner, Abilene .....	Home Economics Education

## DIVISION OF ARTS AND SCIENCES

## Degree of Bachelor of Business Administration

Harvey Louis Dunn .....	Ralls
Doris Lynn Hull .....	Lubbock
Elizabeth Lanham .....	Lubbock
George A. Pratas .....	Breckenridge
Henry Linn Roberson .....	Lorenzo
Preston Earnest Smith .....	Lamesa

## Degree of Bachelor of Arts—Education

Alma Mildred Alexander .....	Lubbock
Henry Cleveland Bowlin .....	Lubbock
Jessie Ree Bristow .....	Stanton
Maxine Clark .....	Lubbock
Naomi Geneva Crawford .....	Dimmitt
Avon B. English .....	Lubbock
Sara Foster .....	Amarillo
William Arthur Greer .....	Bellevue
Beulah Anderson Harrell .....	Marshall
Rebecca Marion Jay .....	Lubbock
Lois Effie Jeffreys .....	Hale Center
Thelma Darby Jones .....	Stephenville
Ben Lawrence .....	Lubbock
Preston J. Marcom .....	Levelland
Flora Mae Ogdon .....	Montelle
Raymond Wilson .....	Wellington

## Degree of Bachelor of Science in Education

Clarence B. James .....	Sudan
Anna Katherine Kral .....	Roby
Leland L. Martin .....	Forsan
Marvin Edward Messersmith .....	Fort Worth
Robert Marion Nash .....	Slaton

## Degree of Bachelor of Arts—Sciences

Edith Caveness, Mineral Wells .....	Mathematics
Joyce Dodkins, Lubbock .....	Economics and Business Administration
James S. Lauderdale, Saint Jo .....	Economics and Business Administration
Cecil Parker, Goldthwaite .....	Mathematics
Jesse Armstead Rogers, Houston .....	Geology
Ray Lamont Waller, Dawson .....	Economics and Business Administration
Neva Neal Wilkins, Lubbock .....	Economics and Business Administration

## Degree of Bachelor of Arts—Social Sciences

Ross Ayers, Leonard .....	Government
Earline Ball, Hobbs, New Mexico .....	History
Noel Dickson Cason, Cleburne .....	History
T. J. DeFee, Jr., Ralls .....	History
James Alvis Ellis, Anton .....	Government
Reagan Milton Greer, Wilson .....	History
Sulta Hendrick, Rogers .....	History
Ruth Edwena Jones, Abernathy .....	History
Henry David Loter, Kirkland .....	History
Bennie Colman McWilliams, San Benito .....	History
Mabel Thomas Newman, Sudan .....	History
Grace Orsborn, Knox City .....	History
Ida Frances Ramsey, Honey Grove .....	History
Lucille Blackstock Shinn, Plainview .....	History
Addie Lynch Spikes, Lubbock .....	History
Ira Lee Watkins, Meadow .....	History
Georgia Permelia Wilson, Gruver .....	History

## Degree of Bachelor of Arts—Language and Music

Letha Ashby, McLean .....	Speech
Mamie Nell Blackstock, Brownfield .....	Spanish
Josephine Alyne Boles, Gordon .....	English
Ruth Childs, Timpson .....	English
Lowell Douthit, Tahoka .....	Spanish
Mila Arlena Eggleston, Vernon .....	Public School Music
Wynona Ford Gilbreath, Lubbock .....	Speech
Louise Fryar Glasgow, Henrietta .....	English
Katherine Sybil Graham, McLean .....	English
Amelia Hargis, Dickens .....	English
Jim Allee Hart, Brownwood .....	Journalism
Dorothea Pauline Johnston, Crosbyton .....	Spanish
Ina Gra Martin, Forsan .....	English
Billie Bernice Plain, Lubbock .....	English
Polk Fancher Robison, Sparta, Tenn. ....	Journalism
Jewell Marie Simkins, Ralls .....	English
Kathryn Helen Stallings, Post .....	Spanish
Verlena Stringer, Vernon .....	Speech
Gwendolyn Mae Thompson, Lubbock .....	Public School Music

## Degree of Master of Arts

James Theodore Alldredge, Sudan; B. A., Texas Technological College; Mathematics, thesis—"Limits for Roots of a Real Algebraic Equation."
Faye LaVerne Bumpass, Lubbock; B. A., Texas Technological College; Spanish, thesis—"The Literary Theories of Fernan Caballero."
Ellen Frances Campbell, Plainview; B. A., North Texas State Teachers College; English, thesis—"Words Mispronounced in High School."
William F. Cannon, Jr., Roanoke; B. S., North Texas State Teachers College; Education, thesis—"Private and Public Education in Jack County."



- Thomas Homer Curry, Lawn; B. A., Abilene Christian College; Education, thesis—"High School Senior Privileges."
- Tom C. Holden, Littlefield; B. A., McMurry College; History and Anthropology, thesis—"A Study of the Pottery of Saddle-Back Ruin."
- Mart Woodson Jones, Seagraves; B. A., Texas Technological College; English, thesis—"Technique of Exposition in J. M. Barrie's Dramas."
- Martha Lee Gregg Mathis, Lubbock; B. A., Texas Technological College; Education, thesis—"A Critical Study of Poetry for Children of the Southwest, Together With an Anthology."
- William Kary Mathis, Lubbock; B. A., Texas Technological College; Education, thesis—"A Study of Students Who Have Entered Texas Technological College by Entrance Examinations."
- Zona Elizabeth May, Lubbock; B. A., Texas Technological College; English, thesis—"London Low Life As Seen in Middleton's Comedies."
- Kimsey Taylor Miller, Lubbock; B. S., Texas Technological College; Physics, thesis—"Diurnal, Monthly and Irregular Variations in the Earth's Magnetic Field at Lubbock, Texas."
- John Stephen Rankin, Elida, New Mexico; B. A., Texas Technological College; English, thesis—"Themes from the Metaphysical Poets."
- Margaret Carroll Robertson, Lubbock; B. A., Texas Technological College; Education, thesis—"Present Status of Mechanical Drawing in Junior High Schools of Texas."
- George Phillips Rush, Lubbock; B. A., Southeastern Teachers College, Oklahoma; History, thesis—"The City of Lubbock 1909-1917."
- Carrie A. Shannon, Levelland; A. B., Baylor University; English, thesis—"The Influence of Malory on English Poets."
- Herbert R. Southworth, Lubbock; B. A., Texas Technological College; History, thesis—"A Survey of the Life of Seaman Ashael Knapp."
- Lacy Ray Turner, Claude; B. A., Texas Technological College; Education, thesis—"Assemblies for the High Schools of Texas."
- Mary Alma Wells, Stanton; B. A., Howard Payne College; English, thesis—"Dramatic Technique in Swinburne's Historical Plays."
- Lily Warren Wilkins, Olton; B. S., North Texas State Teachers College; English, thesis—"Etymology Influence of Bret Harte on Spanish Element of the American Language."
- Ivy Randolph Witt, Lubbock; B. A., Texas Technological College; Education, thesis—"A Finance Survey of the Post School System."

#### Degree of Master of Science in Education

- Jewel Brock, Seminole; B. S., West Texas State Teachers College; thesis—"A Study of the Effects of High School Chemistry on Freshman College Chemistry Grades for Graduates of Amarillo Senior High School."

## REGISTER OF STUDENTS

## LONG SESSION 1934-35

## ABBREVIATIONS

A—Agriculture  
B—Business Administration and Economics  
E—Engineering  
Ed—Education  
G—General  
H—Home Economics  
S—Science

CS—Coaching School for credit  
HS—Home Economics unclassified  
1—Freshman  
2—Sophomore  
3—Junior  
4—Senior  
5—Graduate

Classifications are based on the student's classification as follows: long session 1934-35 as of February, 1935; summer of 1934 as at entrance.

Abbott, Idyle Glenn, 1G	Lubbock	Anderson, Dixie, 3E	Lufkin
Abbott, Lavell J., 4E	Lubbock	Anderson, Eugene V., 1S	Holland
Abel, Tom, Jr., 1E	Lubbock	Anderson, Harold J., 1B	Farnsworth
Abell, Charlene, 1S	Mineral Wells	Anderson, Margaret L., 3H	Post
Abel, Melba, 1H	Mineral Wells	Anderson, Margaret F., 1G	Aspermont
Abernathy, Agnes, 4H	Lubbock	Anderson, Pauline, 1G	Fort Worth
Abernathy, Dorothy, 1G	Lubbock	Anderson, Rowland, 2S	Lubbock
Abney, Frances, 1S	Lubbock	Anderson, Velma, 4H	Aspermont
Abney, Mary, 1G	Lubbock	Applewhite, Thelma, 1Ed	Beeville
Adair, Virginia, 2Ed	Point	Appling, Artelle, 3Ed	Fort Worth
Adams, J. C., 4A	Wheeler	Archer, Dan, 2B	Spearman
Adams, Minnie Ray, 2G	Rotan	Archer, H. E., 4B	Cisco
Adams, Mrs. Mozelle, 4Ed	Lubbock	Armstrong, J. W., 1E	Chillicothe
Adams, Robert, 1E	Wayside	Armstrong, Nell, 2H	Iraan
Adamson, Vera Nadene, 2Ed	Post	Armstrong, Robert, 1E	Happy
Aderton, M. Jerome, 3E	Lubbock	Arnett, Morrison, 1E	Lubbock
Adkisson, Alberta, 2Ed	Abernathy	Arnold, Louise, 4H	Arp
Adkisson, Alice, 2Ed	Abernathy	Arnold, William, 3E	Amarillo
Adkisson, Wilma, 2H	Abernathy	Ashby, Charles, 1S	McLean
Agnew, Jack, 2S	Brownwood	Aston, E. C., Jr., 1E	Sweetwater
Ainsworth, Samuel E., 1E	Lubbock	Atcheson, Ben, 3E	Lubbock
Aker, Max, 1B	Pampa	Atcheson, James, 4E	Lubbock
Albin, Ferrell, 1B	Spur	Atchley, G. M., Jr., 2G	Kirkland
Albin, Julia, 2S	Spur	Atkinson, Atmar L., 4E	Anton
Alfredson, Marjorie, 2Ed	Lubbock	Atkinson, George N., 2G	Lubbock
Aldridge, Milburn, 3G	Trenton	Austin, Julia Elizabeth, 1E	Lubbock
Alexander, Carlos P., 1E	Lamesa	Austin, Richard, 2E	Lubbock
Alexander, Clifford, 1S	Midlothian	Avery, Vennis, 2H	Vina, Ala
Alexander, Francile, 1Ed	O'Donnell	Axline, Keith, 1G	Dalhart
Alexander, James Harvey, 1A	Breckenridge	Aycock, Edward F., 3B	Midlothian
Alexander, Maurine, 2E	Cleburne	Ayers, Cecil, 4A	Chillicothe
Alexander, Mayme, 5Ed	Lubbock	Ayers, Laurette, 2H	Chillicothe
Alexander, Rex, 2G	Lubbock	Ayers, Manuel, 3A	Shallowater
Alexander, Ted, 3S	Jayton	Ayres, Jean, 4G	Floydada
Alford, John, 1A	Lubbock	Bacon, Idell, 4G	Lubbock
Alford, Morris, 2B	Slaton	Baggett, Mollie, 4G	Tehuacana
Alford, Mrs. Ruth Lorene, 2G	Enochs	Bagwell, Evelyn, 3H	Claude
Allen, Aline, 1Ed	McAdoo	Bahm, Mrs. Luna B., 5S	Lubbock
Allen, Gordon, 1B	Lubbock	Bailey, Eleanor, 2Ed	Lubbock
Allen, Helen Glenn, 1G	Odessa	Bailey, Ernest, 1A	Jefferson
Allen, Helen Inez, 3H	Tahoka	Bailey, Harold, 1G	Clarksville
Allen, Inez, 4G	Lubbock	Bailey, Henry Clay, III, 1S	Clarksville
Allen, Lois, 3G	Goree	Bailey, Herbert Leon, 3E	Slaton
Allen, Otho, 2E	Lubbock	Bailey, J. C., 2E	Dumont
Allen, Ruth, 1Ed	Lubbock	Bailey, Jimmie F., 1H	Levelland
Allison, Billie, 4E	Rockwood	Bailey, Melvin D., 2B	Slaton
Alls, Clifford, 1A	Lubbock	Bain, Jean, 2H	Floydada
Altman, Earnest, 1S	Lubbock	Bain, Woodrow Wilson, 2E	Lubbock
Alverson, Mrs. C. F., 3S	Lubbock	Baisden, Mrs. Vida Mae, 5S	Lubbock
Ammons, Alton J., 1B	Lubbock	Baker, Leslie, 1G	Lubbock
Ammons, Ralph, 1G	Roby	Baker, Lillian, 2G	Lubbock

Baker, Lillie Lucille, 4G	DeLeon	Bell, Margaret, 4Ed	Brownfield
Baker, Thelma Lorine, 2H	Lubbock	Bell, Uel, 4A	Lubbock
Baker, Velda, 1H	Lubbock	Bell, Vernon F., 2A	Brownfield
Baldwin, Garriott T., 1G	Slaton	Bender, Mary, 3Ed	Muskogee, Okla.
Ball, Gordon E., 3G	Cleburne	Benn, Clyde Allen, 2E	Abernathy
Ball, John S., 5E	Lubbock	Benn, Margaret Ann, 2H	Abernathy
Ballard, Frances, 2G	Lubbock	Bennett, Reba, 1G	Morton
Ballinger, Mrs. Josephine, 5Ed	Lubbock	Bennett, Ruth, 2Ed	Gail
Bandy, H. L., 1B	Brownfield	Benson, Donald Lee, 1E	Lubbock
Banks, Wilson, 1G	Brownfield	Benson, Horace S., 3E	Dallas
Bankston, Clifton, 2G	Canyon	Benton, Addie Brown, 3G	McKinney
Barbour, Lola Belle, 1G	Perryton	Beran, Alvina Ruth, 4H	Lubbock
Barkham, John Edward, 2E	Lubbock	Berg, Phil Edward, 1B	LeFors
Barkley, Freeman, 1B	Spearman	Bergholm, Mrs. Iris M., 3Ed	Lubbock
Barlow, Joe, 3B	Miami, Okla.	Berrier, Christine, 4H	Maypearl
Barnard, Ruth Erdine, 1B	Lubbock	Berry, Luella, 3Ed	Seymour
Barnard, Wanda Mae, 4B	Lubbock	Betts, Jack A., 1E	Opelika, Ala.
Barnett, Gene, 1A	Melvin	Biffle, Fred, 3G	Silverton
Barnett, Verl George, 1S	Turkey	Bigler, Mildred Adele, 1B	Hale Center
Barr, Kathryn, 3G	Lubbock	Bigham, Emma Dean, 1G	Aspermont
Barrington, Dorothy, 2G	Hale Center	Birdsong, Margarete J., 4Ed	Greenville
Barron, Evelyn, 1H	Lamesa	Birdwell, Ben, 1A	Seminole
Barron, Fred C., 4B	Wichita Falls	Bishop, Carrie Lee, 2H	Sudan
Barrow, Nadine, 3H	Abilene	Bishop, Jewel, 2G	Wingate
Barrows, James, 1B	Clovis, N. Mex.	Bishop, Leonard L., 1G	Dallas
Barry, James C., 2E	Slaton	Bizzell, Betty, 1G	Lubbock
Barstow, Helen, 2G	Lubbock	Black, Arnold D., 1A	Seagraves
Barton, Marie, 2Ed	Post	Black, Harlan, 4A	Seagraves
Barton, Raymond, 4G	Lubbock	Black, Ruth, 3G	Lubbock
Baskin, Kay, 3Ed	Lubbock	Black, Samuel M., Jr., 4B	Denison
Baskin, Margaret, 5G	Lubbock	Black, Ruth Virginia, 1S	Ropesville
Bass, Felix, 3E	Lubbock	Blackburn, Mrs. Millie, 1B	Aspermont
Bass, Laura Sue, 4Ed	Lubbock	Blackwell, Lola Beth, 4Ed	Vernon
Bass, Milton Morris, 1E	Big Spring	Blain, Julia Elizabeth, 2G	Lubbock
Bates, Pauline, 1Ed	Mabelle	Blair, Fred C., Jr., 1E	Fort Worth
Bates, William Frank, 3E	Lubbock	Blanchard, Garland, 1A	Vernon
Baucom, Anna Mary, 3G	Lubbock	Blankenship, Elmer, 1E	Vernon
Baucom, Mrs. O. N., 1G	Lubbock	Blanton, Mildred, 1H	Claude
Baughman, Walter, 1E	Lubbock	Blassingame, Verla, 4G	Floydada
Baumgardner, John Henry, 1E	Wellington	Bley, Olga, 1G	Olton
Bauers, Mary, 1B	Lubbock	Blocker, Harry E., Jr., 2E	Lubbock
Baushke, James J., 2E	Benton Harbor, Mich.	Bloom, Billie, 2H	Lubbock
Bayless, Billie B., 1B	Lubbock	Blue, Don, 3E	Amarillo
Bayless, J. C., 1G	Lubbock	Blue, Eugene, 1E	Lubbock
Baze, LaVada, 3G	Colorado	Blythe, E. C., 1G	Lubbock
Baze, Winford, 2S	Robert Lee	Bodzin, Milton Richard, 1S	Colorado
Beal, Erwin Wallace, 1B	Dallas	Bogan, Bernard Robert, 3E	Lubbock
Bean, Mary Etta, 2E	Lubbock	Boggs, Edwin, 2B	Baileyboro
Beane, Vivian, 4G	Hermleigh	Boles, Mrs. Buell, 3Ed	Lubbock
Beard, Evelyn, 4G	Lubbock	Bomar, Roy, 1B	Silverton
Beard, H. O., 5A	Lubbock	Bond, F. Harvey, 4G	Plainview
Bearden, Naomi, 2G	Abernathy	Booker, Donald Robert, 1B	Lubbock
Beasley, Dean Roy, 1B	Lovington, N. Mex.	Booker, Eileen Geneva, 3H	Lubbock
Beasley, Juanita Jo, 2Ed	Morton	Boone, Foy, 1A	Tulia
Beasley, Lorene, 2Ed	Iowa Park	Boothe, Larry, 1B	Spur
Beauchamp, James V., 3B	Greenville	Borden, C. J., 1E	Hereford
Bechtold, Carl Wm., 1E	Hale Center	Boren, Lemuel M., 3E	Lubbock
Beck, Mrs. Hazel, 5Ed	Lubbock	Bostick, Arvella, 2H	Olton
Beck, Mrs. Pearl, 5G	Lubbock	Bostick, Jack, 2B	Fort Worth
Beebe, Graham, 1E	Portales, N. Mex.	Boswell, Kimes, 2E	Barry
Beene, G. L., 5A	Roby	Bourland, Charles B., 1S	Pampa
Belew, Donald, 1B	Bovina	Bourland, Robert, 1E	Carlsbad, N. M.
Bell, Bonnie Marie, 2G	Lubbock	Boverie, Floyd, 4S	Wellington
Bell, Gladys, 1H	Texico, N. Mex.	Bowerman, William Louis, 2G	Norton, N. Mex.
Bell, John Allan, 3E	Lubbock	Bowers, Allene, 2H	Lorenzo
		Bowers, Paul R., 1E	Miami
		Bowlin, H. C., 5Ed	Lubbock

Bowlin, Lucille, 4H	Lubbock	Brown, Russell William, 1A	Allison
Bowser, Perry, 2A	Lubbock	Brown, Velma Iris, 4H	Shallowater
Box, Grady, 4Ed	Shamrock	Brown, Virginia, 3Ed	Lorena
Boyd, Billie, 2G	Lubbock	Brownd, Mattie Noble, 1G	Lubbock
Boyd, Lena Mae, 1G	Lubbock	Browning, Erwin, 2A	Allanreed
Boyd, Lydia Frances, 2Ed	Tulsa, Okla.	Browning, Jesse, 2A	Fluvanna
Boyd, Lynn A., 1E	Weatherford	Browning, Leslie, 2A	Fluvanna
Boyd, Mary Ellen, 1G	Lubbock	Browning, Richard C., 2E	Lubbock
Boyd, Melvin D., 1A	Mertzon	Brumby, Birt Ralston, 1E	Houston
Boyd, Milton, 1S	Crane	Brumley, Homer Lee, 4A	Hereford
Boyd, Virginia, 2G	Idalou	Brummett, Carlos, 1G	Lubbock
Boyd, Carl Weldon, 2G	Petersburg	Bryan, Bruce, 4E	Lubbock
Bozeman, Bruce, 3E	Lubbock	Bryan, Mrs. J. Neucl, 4Ed	Lubbock
Bozeman, H. A., Jr., 2E	Lubbock	Bryant, Hazel Louise, 1H	Ralls
Bradford, Herbert, 1B	Lewisville	Bryant, Ulmer Lee, 2G	Lorenzo
Bradford, Marshall, 3S	Seagraves	Bryant, William Noel, 1B	Wheeler
Bradley, Chellie M., 4G	Briscoe	Buchanan, Beatrice, 1H	Hereford
Bradley, Jack, 2G	Amherst	Buchanan, Monroe, 2E	Spearman
Bradley, Ned J., 3B	Lubbock	Buchtien, Ruby Lee, 1B	Rule
Bragg, Genevieve, 2G	Rochester	Buckingham, Everett M., 1Ed	Amarillo
Brandenburg, Patrick F., 1E	Amarillo	Buckley, Harry, 3E	Fort Worth
Brandon, A. J., 1S	Goodlett	Buckner, Dale, 1E	Lubbock
Brandon, M. C., 5A	Stephenville	Buie, Clarice, 4G	Stamford
Brannen, Lila Marie, 1G	Aspermont	Buie, Pauline, 3B	Stamford
Brannin, R. S., Jr., 3E	Benjamin	Bullock, Billy, 1B	Artesia, N. Mex.
Brannin, Will Edd, 1E	Guthrie	Bundy, Christine, 4Ed	Silverton
Brant, Jo, 2H	Post	Bundy, Frank S., 2B	Lubbock
Branton, Darrell, 1E	Ralls	Bundy, Glenn, 1S	Lubbock
Brashear, Cecil, 3A	Lubbock	Bundy, Joni, 2E	Silverton
Brasher, Nugent, 2S	Iraan	Bunyard, Halon, 3A	Crawford
Bratcher, Fannie B., 2S	Lubbock	Burchfield, Morris, 2G	Vernon
Bratcher, Guy, 4A	Lubbock	Burck, William J., 1A	Hagerman, N. Mex.
Bray, John, 1A	Ranger	Burford, Mrs. Ganie Nix, 4A	Lubbock
Brent, Martha Ann, 1B	Dallas	Burford, Mrs. Mae O., 4Ed	Lubbock
Brewer, Harold James, 1G	Vernon	Burford, Parker, 1A	Lubbock
Brewer, Loyde, 1G	Friona	Burkett, Charles Wesley, 1E	Andrews
Brewer, Mary Alice, 2G	Lubbock	Burkett, Zada, 1B	Henrietta
Brewster, Frances, 2B	Sudan	Burkhalter, Louise, 2H	Lubbock
Bridgeman, Dawson, 1Ed	Lubbock	Burleson, W. E., 1B	Whiteflat
Bridges, Frank, 3B	Terrell	Burnett, Vane C., 4B	Dublin
Brigance, Pearl, 1B	Olton	Burnett, Wesley, 3S	Graham
Briggs, Euda Lee, 1H	Boerne	Burns, Frances, 2G	Lubbock
Brisco, Rose Lee, 1B	Grandview	Burroughs, Amertius, 3S	Lubbock
Britain, O. H., Jr., 2B	Dallas	Burrus, Maxine, 2H	Lubbock
Brock, Affanell, 1G	Lubbock	Burt, John Craig, 1E	Fulton, Mo.
Brock, Ralph, 2G	Lubbock	Burton, James Gordon, 4S	Cleburne
Brock, Lafayette Stephen, 2A	Brownfield	Burton, Mrs. Lee McIntosh, 2G	Fort Worth
Brooks, Horace, 3G	Becton	Bussey, Charlie, 1B	Big Spring
Browder, Herbert, 4A	Lubbock	Bussey, Novelle, 3G	Lubbock
Browder, Ruth, 2G	Truscott	Butcher, Robert, 4E	Carlsbad, N. Mex.
Brown, A. B., 4G	Eugene, Ore	Butler, Annie Lorea, 4H	Lubbock
Brown, Ace, 1A	Ropesville	Butler, Beth, 4G	Lubbock
Brown, Artie Faye, 1H	Lubbock	Butler, Felix Edwin, 2G	Lubbock
Brown, Byron, 1E	Lubbock	Butler, Gladys, 5G	Lubbock
Brown, Claude Henry, 4A	Saint Jo	Butler, Leroy, 1A	Albany
Brown, Donald, 2B	Clovis, N. Mex.	Butler, Wanda, 4G	Lubbock
Brown, Frances, 2S	Vernon	Butts, Aubrey O., 2B	Gallina, N. Mex.
Brown, Franklin D., 1E	Lubbock	Butts, Bartie Lee, 3G	Quanah
Brown, James Sidney, 1B	Kerrville	Buzbee, Ouida, 1Ed	Lubbock
Brown, Jewell, 4H	Rochester	Bynum, Mike, 1G	Lubbock
Brown, John Wayne, 1S	Big Spring	Bynum, Muton O., 3E	Lubbock
Brown, Lena Belle, 2Ed	Megargel	Byrd, Fred, 1G	Ardmore, Okla.
Brown, Lud Julian, 2A	Saint Jo		
Brown, Mrs. Maurine H., 5Ed	Lubbock		
Brown, Ova Milling, 4Ed	Cisco		
Brown, Paul James, 2E	Lubbock	Caldwell, Ann, 4G	Lubbock
		Caldwell, Bedford E., 2B	Farwell

Caldwell, Joe J., 3E	Abilene	Cheaney, Curtis, 1B	Electra
Caldwell, Linda, 2G	Lubbock	Cheaney, Theo, 4B	Electra
Caldwell, Lorane, 2G	Lubbock	Chennault, Hurley, 1G	Seagraves
Caldwell, Ralph, 3B	Farwell	Chenoweth, Elizabeth, 4H	Panhandle
Calley, Leon C., 1 B.	Shallowater	Chernosky, Harold Maurice, 1B	Ennis
Cameron, Lillie V., 3Ed	Tyler	Chesser, Thomas Melvin, 4E	Lockhart
Cameron, Mattie Dale, 3G	Tyler	Childers, Fred A., 2S	Lubbock
Cammack, Mary, 1G	Lubbock	Childers, Jack, 2B	Lubbock
Campbell, A. J., 1B	Idalou	Childers, Lorene, 4G	Lubbock
Campbell, Edwin, 4E	Pittsburg	Childress, Mrs. Fred, 1Ed	Lubbock
Campbell, Ethel, 3H	Dallas	Chipley, Jack, 4S	Lubbock
Campbell, Forrest, 3E	Matador	Chisholm, John E., 1A	Littlefield
Campbell, Frances Eliz, 2E	Lubbock	Chism, Ocie, 3B	Moran
Campbell, Harry, 1S	Lubbock	Christian, Joe M., 3E	Eldorado
Campbell, Maurice, 1B	Floydada	Clapp, Betty, 3H	Childress
Campbell, Ralph, 1B	Lubbock	Clapp, Ellen K., 1G	Lubbock
Campbell, Spencer, 2B	Spur	Clark, Adrian, 3G	Denison
Cannon, Demp, 2Ed	Slaton	Clark, Eloise, 1G	Tahoka
Cannon, Phillip, 1B	Tucumseh, Okla.	Clark, James Walker, 2S	Plainview
Cantrell, Ralph B., 5S	Mexia	Clark, Roscoe, 2B	Lubbock
Carlton, Eunice Marie, 1Ed	Idalou	Clay, Sallie Jane, 4H	Dunn
Carmack, Chas. Edwin, 3S	Lamesa	Clayton, Anna Louise, 1E	Pampa
Carnes, J. C., 3B	Covington	Clayton, Joe, 4A	Lubbock
Carpenter, Andrew Jackson, 1B	Vernon	Clements, Dollie, 4G	Lubbock
Carpenter, Deboe, 3B	Olney	Clements, Dorothy Frank, 4G	El Paso
Carpenter, Harriett E., 1Ed	Olney	Clements, Fulton Eugene, 1B	Childress
Carpenter, Mary Merle, 1B	Olney	Clements, Lucille, 2B	Stanton
Carr, Lillie Ruth, 1Ed	Lamesa	Clements, Robert Jerry, 2B	Lubbock
Carrithers, George A., 1B	Brady	Cleveland, Frances, 1H	Lubbock
Carroll, Hollis, 2S	Fort Worth	Cleveland, Frank, 1E	Fort Worth
Carson, J. P., 1A	Spur	Cleveland, Neweta, 4H	Lubbock
Carson, Verna Lee, 2G	Fort Worth	Clinton, Kenneth Lawrence, 1E	Sherman
Carter, George L., 3B	Lubbock	Cloyd, Andrew Ewing, Jr., 1E	Lorenzo
Carter, Georgene Anabel, 4G	Lubbock	Clutter, Blevie C., Jr., 1A	Lubbock
Carter, J. C., 1B	Morton	Clynch, Robbie Dell, 1G	Shamrock
Carter, K., 2B	Lubbock	Coates, Maude, 3Ed	Mertzon
Carter, Lorena, 4G	Mertzon	Cobb, Helen Walker, 2H	Lubbock
Carter, Mary Ruth, 4G	Lubbock	Cobb, Mary Bynum, 1Ed	Lubbock
Carter, Mrs. T. H., 3 Ed	Lubbock	Cobb, Paul, 2E	Tokio
Carter, William Junius, 2E	Childress	Cobb, William L., 1E	Lubbock
Carter, George Willis, 1G	Grady, N. Mex.	Cocanougher, Arthur Clifton, 1S	Lubbock
Cartwright, Juanice M., 1Ed	Post	Cochran, Carrie R., 1G	Sweetwater
Carver, Dorothy Nell, 1G	Bonham	Coe, Paul, 1B	Wellington
Case, John Franklin, 2E	Petersburg	Coe, Pauline, 1G	Wellington
Case, Robert Cross, 2B	Petersburg	Cofer, Clyde, Jr., 1E	Perryton
Casey, Anna Bird, 1G	Gainesville	Coffman, Harold W., 2B	Fort Worth
Casey, David Crockett, 1G	Abilene	Coffman, Raymond, 3E	Cleburne
Casey, Jim Tom, 1E	Lubbock	Cohn, Israel, 1E	Borger
Casey, Morris, 1B	Lubbock	Cole, Aston W., 2A	Osceola
Cash, Allison, 2S	McLean	Cole, Clifton Woodrow, 1A	Post
Castles, Conrad, 1B	Fort Worth	Cole, Oleta, 2H	Post
Cates, Mrs. Katherine, 4G	Tokio	Cole, Mrs. Leonard G., 3G	Lubbock
Cathey, James N., 1B	Lubbock	Cole, W. S., 3S	San Angelo
Cathey, Margaret Jane, 1B	Clairemont	Coleman, Flora Belle, 1B	Morton
Cato, Edwin, 1S	Lubbock	Coleman, Irma Lynn, 2G	Lamesa
Caveness, Bob, 2S	Tahoka	Coleman, Iva Deane, 1G	Turkey
Caveness, Elaine, 1H	Mineral Wells	Coleman, Ruth, 2G	Lubbock
Caveness, Sherrell, 1G	Post	Collie, Jamie B., 2S	Lubbock
Champion, Emery, 1B	Artesia, N. M.	Collier, Rayburn, 2Ed	Friena
Chance, Ann, 1Ed	Anton	Collum, LaStell, 1G	Royalty
Chance, Juanita, 2H	Ralls	Compton, Lewis G., 3B	Corsicana
Chandler, Julius, 1G	Lubbock	Conerly, Thomas Preston, 3B	Clarksville
Chaney, Winona, 2H	Post	Coneway, Albert Earl, 2G	Friena
Chant, Earnest Novie, 2S	Barksdale	Coneway, Raymond Paul, 2E	Hereford
Chapman, Miles, 1B	Dallas	Conley, Frances, 3Ed	Lubbock
Chappell, Mildred, 3G	Dallas		
Chatham, Elizabeth, 1B	Toyah		



Conley, Mrs. Irene, 4H	Idalou	Crow, Wortham, 2A	Hamlin
Conn, Beauford, 1B	Lubbock	Crowell, J. M., 3S	Crowell
Conn, Charles Russell, 1E	Lubbock	Cruce, John Luther, 2S	Brownfield
Conner, Elizabeth, 4G	Lubbock	Crump, Katie Bell, 5Ed	Lubbock
Conner, Louise, 2G	Floydada	Crump, Verna, 2H	Lubbock
Conner, William Alvin, 1S	Meadow	Crutcher, Leon, 2G	Loraine
Cook, Elton D., 4A	Lubbock	Crutcher, William H., 1E	Loraine
Cook, James Marshall, 3B		Cummings, Bonner, 3G	Byers
	Garden City	Cummings, K. Clyde, 5G	Shallowater
Cook, Kate Dean, 4Ed	Strawn	Cummings, Howell Clifton, 2B	Byers
Cook, Sarah Louise, 3H	Strawn	Cunningham, Allen, 3H	Taylor
Cooke, Henry Clay, 1G	Dallas	Cunningham, Bedford, 2B	Lubbock
Coon, Lester A., 1E	Lubbock	Curfman, Leonard, 2E	Electra
Cooper, Al Ray, 3E	Ralls	Curfman, Raymond, 1G	Electra
Cooper, Larue, 1B	Meadow	Curry, Charles Ernest, 1S	Weinert
Cooper, Mary, 2B	Lamesa		
Cooper, Ted Elizabeth, 2H	Electra	Dale, George, 1G	Tahoka
Cooper, Winifred, 1E	Perryton	Dallinger, Ralph, 2E	Plainview
Cooper, Winifred W., 2S	Turkey	Dalton, Jim Mitchell, 2B	Weatherford
Cope, Sybil, 4G	Lubbock	Daniel, Worth, 1E	Cisco
Copeland, Hazel, 2S	Ropesville	Daniell, Barbara Lois, 3G	Seminole
Corley, Leo James, 1E	Blackwell	Daniel, Othella Edwina, 2G	Amherst
Cosgrove, Charles P., 2B	Cleburne	Darden, Dorothy Cowan, 3Ed	Waco
Cosson, Eugenia, 2H	Teague	Dark, Mrs. Esther, 2Ed	Floreys
Cotton, Imogene, 2G	Abernathy	Darwin, Rachel, 3B	Slaton
Couch, Mary C., 2H	Pecos	Davenport, Ellen Pearl, 2H	Lakeview
Coulson, Walter, 2A	Amherst	Davenport, Guinn Eugene, 2E	Vernon
Covey, Truman Melvin, 2B	Wilson	Davenport, Tommy, 1H	Lakeview
Cowan, Christia, 1G	Lubbock	Davidson, Bill, 2G	Lubbock
Cowan, Coleman, 4A	Lubbock	Davidson, Thelma, 2G	Chillicothe
Cowan, Dorothy Dix, 3G	Lubbock	Davidson, Woodrow, 1E	Burkburnett
Cowan, Maurice Floyd, 2A	Lubbock	Davies, Kathryn, 2H	Lubbock
Cox, C. C., 2Ed	Lubbock	Davis, A. B., Jr., 1E	Lubbock
Cox, Charles, 4G	Lubbock	Davis, Austin, 4E	Sweetwater
Cox, Dan, 3E	Tulsa, Okla.	Davis, Charlene, 1G	Big Spring
Cox, Jean, 2H	Anton	Davis, Dan, 4E	Childress
Cox, Juanita, 1E	Waco	Davis, Don Elton, 1E	Breckenridge
Cox, Martha Enna, 3S	Lehman	Davis, Emily, 4H	Lubbock
Cox, Ruth, 4Ed	Lubbock	Davis, Gaines, 3G	Abilene
Cozby, Rozzle, 1A	Spur	Davis, Helen, 1G	Lakeview
Craig, Mary Virginia, 1G	Panhandle	Davis, Herbert, 4A	Lubbock
Crain, J. K., Jr., 1S	Clarksville	Davis, James P., 2G	Brownfield
Crausbay, Elsie, 3B	Lubbock	Davis, Jewel, 4Ed	Lubbock
Cravens, Mrs. L. C., 3Ed	Lubbock	Davis, Kenneth, 2G	Lubbock
Cravens, Samuel Claude, 1G	Slaton	Davis, Laura Lee, 3G	Childress
Cravy, Fred H., 1G	Post	Davis, Mary Anne, 2H	Lubbock
Crawford, Augustus W., 4E	Childress	Davis, Roy C., 5E	Itasca
Crawford, C. W., Jr., 1B	Memphis	Davis, Roy Earl, 1G	Sulphur Springs
Crawford, Dora Belle, 2H	Big Spring	Davis, Trenton, 4G	Saint Jo
Crawford, Howard Clifton, 4E	Haskell	Davis, William Herbert, 1E	Pampa
Crawford, John C., 1A	Lubbock	Davis, William J., 3E	Fort Worth
Crawford, Kathleen, 1G	Haskell	Day, Dauline, 1G	Southland
Crawford, Robbie Lee, 1H	Lubbock	Day, E. Esten, 5G	Lubbock
Creekmore, Pauline Exie, 1H		Day, Gertrude, 1G	Lamesa
	Mobeetie	Day, William Edward, 1E	Wilson
Crenshaw, Cathryn, 1H	Childress	DeAguires, Mary, 2G	Seymour
Crenshaw, Elinor, 2G	Lubbock	Dean, Coy, 1G	Anson
Creswell, Horace Staley, 4G	Lubbock	Dederick, Magdalen, 3G	Sherman
Crews, Alvin, 4G	Wilson	Dederick, M. Larry, 3G	Sherman
Crews, Leroy, 3B	Wilson	DeFee, Roland, 3G	Ralls
Crider, Lewis Calvin, 2S	Post	Dempsey, Dennis, 2E	Santa Anna
Crockett, Sarah Ellen, 1G	Littlefield	Dennis, Robert, 1S	Moran
Cromer, Harold Leon, 1S	Lubbock	Denton, James, 1G	Bonham
Crosby, Geraldne, 1H	Lubbock	DePriest, Lou Verne, 2G	Tahoka
Crosby, Natalie, 1G	Wilson	Dickenson, Ray, 1B	Gainesville
Crosby, Ree Berta Bernice, 2B		Dickinson, Granville, 1G	Lubbock
	Lubbock	Diersing, Frances Marie, 3G	Munday
Crouch, Willie Woodward, 3S	Victoria	Diggs, Terry Milam, 1E	Haskell
Crow, Ila Fay, 1Ed	Nocona	Ditmore, Frank, 1B	Water Valley

Dixon, Burgess, 1G	Big Spring	Eason, Allie, 3G	Rotan
Dixon, Rosella, 1H	Friona	Easterling, Roberta, 1G	Lubbock
Dobbs, Mary Inez, 2H	Teague	Easterling, T. R., 3E	Lubbock
Dockray, V. R., 1B	Lubbock	Eaton, Eva, 1H	Lubbock
Dodd, Earl, 3S	Briscoe	Eaton, Fannie Brown, 3H	Albany
Doherty, Edgar, 1S	Lubbock	Eaton, Frank, 2S	Albany
Donaldson, Mrs. Anna B., 5Ed	Lubbock	Eaton, Jean Ory, 2H	Albany
Donaldson, J. D., Jr., 3S	Tahoka	Eaton, Wilnot, 3G	Rule
Donaldson, Lyle, 3E	Lubbock	Echols, Tommy, 4G	Throckmorton
Donnell, Bessie Faye, 4H	Graham	Eddins, Francis, 2E	Marlin
Donnell, Sidney, 4A	Lubbock	Edgett, Helen, 2B	Lubbock
Dooley, W. E., 4S	Floydada	Edgett, Pauline, 1H	Lubbock
Dopson, Zera, 2H	Lubbock	Edwards, David Aubrey, 3B	Lubbock
Doran, Winston W., 2B	Lubbock	Edwards, Elna, 1B	Wink
Dormier, O'Connell, 1B	Megargel	Edwards, Freddie, 2B	Tahoka
Doucette, Berton, 2E	Pampa	Edwards, Louise, 3Ed	O'Donnell
Douglas, Emmajean, 3G	Lubbock	Edwards, Luther, 3G	Lubbock
Douglas, Margaret, 2G	Texhoma	Edwards, Marjorie, 1H	Lubbock
Douglas, Mary Louise, 3B	Lubbock	Edwards, Mary Elizabeth, 1G	Big Spring
Douglas, Ralph W., 4E	Lubbock	Edwards, Mary Ross, 1G	Lubbock
Douglas, Ruth, 4B	Lubbock	Edwards, Max, 1S	Borger
Douglas, Waty, 1B	Idalou	Edwards, Raymond, 1S	O'Donnell
Douglas, Frances, 3S	Big Spring	Eiland, Helen Frances, 4H	Munday
Douthit, Corbin, 2B	Tahoka	Eklund, Sophia, 2H	Slaton
Dow, Bunnye, 1G	Lubbock	Elder, Henry, 4A	Cuero
Dow, Harold, 3S	Lubbock	Elder, Joe, 3E	Cuero
Dowdy, Ross Wayne, 1E	Carey	Elder, Marjorie, 1H	Cuero
Dowell, Gwynn, 3B	Royce City	Eldridge, Ray, 1E	Pampa
Doyle, Bernice, 1Ed	Lubbock	Elkins, C. H., 5B	Lubbock
Doyle, John, 4E	Wishek, N. Dak.	Elliott, Arvie, 3A	Lubbock
Drake, Phyllis, 4H	Kress	Elliott, E. E., 4B	Lubbock
Drake, Rosa Mae, 1H	Kress	Elliott, Fred, 3A	Lubbock
Driver, B. C., 1S	Midland	Ellison, Ruby, 1G	Lubbock
Drown, Jack, 3S	Lubbock	Ellsworth, Heber M., 5B	Lubbock
Dryden, Mary Elizabeth, 4G	Best	Ely, Aura, 1S	Merkel
D'Spain, Charles, 2S	McLean	Ely, R. D., 2A	Merkel
Dubberly, Gene, 3G	Big Spring	Emfinger, Norman, 2E	Littlefield
Duckworth, Eugene, 1B	Denison	Emm, John C., 2E	Roswell, N. Mex.
Duff, Margaret, 3G	Byers	Emm, Walter, 5A	Plainview
Duff, Rosemary, 3B	Lubbock	English, Mrs. Avon B., 5Ed	Lubbock
Duke, Herma, 2Ed	Ackerly	English, Judith, 4S	Plainview
Duncan, Dorothy Norris, 3G	Lubbock	English, Nelson, Jr., 2E	Premont
Duncan, Hazel, 4H	Lubbock	Epperson, Dwight, 2E	Cleburne
Duncan, Mary Margaret, 3G	Littlefield	Epperson, J. T., 3B	Cleburne
Dunlap, E. Ray, 3A	Spur	Erwin, Dorothy, 2G	Lubbock
Dunlap, Lewis, 1A	Spur	Ethridge, James, 3G	Grandview
Dunlap, Mrs. Mabel, 1E	Lubbock	Eubank, Paul, 4G	Dallas
Dunlop, Mildred, 2H	Lubbock	Eubanks, Phyllis, 1H	Marshall
Dunn, Arthur Lee, 1S	Spur	Evans, A. R., Jr., 1E	McLean
Dunn, David Arthur, 2S	Roswell, N. Mex.	Evans, Bernard, 3B	Ropesville
Dunn, Hazel Dell, 3G	Crosbyton	Evans, Mrs. Grace L., 4G	Elida, N. Mex.
Dunn, Irvin, 1S	Roswell, N. Mex.	Evans, Guy B., 3E	Lindale
Dupree, George W., Jr., 1E	Lubbock	Evans, Inez, 2G	Vernon
Durham, G. W., 4G	Lubbock	Evans, Sue Ellen, 1G	Lubbock
Duval, Charlie, 2B	Sherman	Everett, Arnold, 2E	Paris
Duval, Mrs. George, 2Ed	Lubbock	Ezell, Mrs. Atha, 1H	Lubbock
Duval, Nora Alice, 1S	Lubbock	Ezell, R. B., 1A	Farwell
DuVall, Ralph, 1E	Big Spring	Fairchild, Everett D., 4G	Plainview
Dyer, Lindal, 2G	Hale Center	Fairly, Rowland, Fred, 4E	Lubbock
Dyess, Tony, 1G	Lubbock	Fann, Marvin A., 2B	Lubbock
Dykes, Billy, 1B	Lubbock	Farley, Betty, 3H	Groom
Earhart, Mildred, 4H	Como	Farmer, Panny, 2B	Knox City
Earl, Inez, 4G	Hamilton	Farr, Alton, 3G	Bellevue
Earnest, J. R., 2E	Lamesa	Farrar, H. D., 1A	Lubbock
Easley, Gayle, 1E	Portales, N. Mex.	Faver, Nancy, 4G	Sweetwater
		Faweett, Lee Baker, 1A	Del Rio



Fellows, Frank K., 2E	Lubbock	Gable, George E., 1G	Lamesa
Ferebee, D. M., 2E	Vernon	Gaines, Beryl, 1E	Borger
Ferris, Marjorie, 3B	Dallas	Gaines, Gordon, 1G	Lubbock
Fette, Dorothy, 1H	Muenster	Gaines, Jimmie, 2E	Bronte
Fields, Herbert Wardlam, 1A	Sonora	Gaither, Don, 2B	Strawn
Fields, Lee, 2G	Lubbock	Gaither, Janice E., 1H	Strawn
Fields, Mrs. Lee, 2G	Lubbock	Gamble, Arthur Earl, 2B	Lubbock
Fields, Winston Denzil, 1A	Hereford	Gamel, Worth, 4E	Lubbock
Fike, Charles Edward, 4G	Levelland	Gammill, J. Rankin, 4Ed	Lubbock
Fine, Neil Casey, 4A	Slaton	Gardner, Buster, 1B	Snyder
Finley, Wm. M., 1E	Pampa	Gardner, Carl M., 3B	Kopperl
Finsterwald, Betty, 2B	Mobeetie	Garland, Fred M., 5S	Ft Worth
Fish, John Henry, 2S	Paducah	Garlington, Jack, 2G	Littlefield
Flache, John, 1B	Lamesa	Garlington, Margaret, 1S	Tucumcari, N. Mex.
Flache, Mitchell, 1A	Brownfield		
Flanagan, Jo, 1G	Pampa	Garner, Helen Fay, 1E	Lubbock
Fleming, Marjorie, 2H	Idalou	Garner, Luther, 1E	Dickens
Flemister, Neill, 1A	Dallas	Garrett, Judge, 2A	Bellevue, N. Mex.
Fletcher, Irene, 4G	Lubbock	Garrett, Leeta Mae, 4G	Lubbock
Florida, Kaufman Thomas, 3G	Rotan	Garrison, Mrs. Isabel, 3Ed	Lubbock
Floyd, Audine Ethel, 1G	Brownfield	Garrison, Keltz, 1B	Silverton
Followill, Verlene, 1B	Lipan	Garrison, Mrs. Marie, 2H	Idalou
Foote, Corinne, 3G	Slaton	Garrison, Meta, 2G	Tell
Forbes, James T., 1E	Smyer	Gause, Lydia Roma, 4G	Lubbock
Forbes, Maurine, 1H	Smyer	Gaylord, Claude, 2E	Lubbock
Forbis, Stafford, 2B	Spur	Gelin, Leona, 5G	Lubbock
Forbis, Virginia, 5G	Lubbock	Gentry, Lillie, 4H	Lubbock
Ford, Mary Elizabeth, 3S	Sweetwater	George, Marie R., 1G	Lubbock
Ford, Thomas Alva, 4E	Lubbock	Gephart, B. V., 1G	Tell
Forrester, Frederick Irvin, 1G	Morse	Gibbs, Chester A., 2S	Sweetwater
Fort, Johnnie Mae, 1B	Lubbock	Gibbs, Chestine, 3S	Sweetwater
Fortenberry, Dorothy Maxine, 1H	Lubbock	Gibson, Donald, 1S	Lubbock
		Gibson, Hester Martin, 1S	Lubbock
Fortner, Elmer, 3G	Sherman	Gibson, Rowena, 1Ed	Big Spring
Foster, M. K., Jr., 3Ed	Lubbock	Gilbert, Betty, 1G	Woodson
Fowler, Arch Terry, 1A	Brownfield	Gill, Cicero, 2G	Megargel
Fowler, Graves, 2E	Sudan	Gilley, Frances, 3G	Southland
Fox, Elisabeth, 1G	Lubbock	Gilmore, Braxton, 4Ed	Wichita Falls
Fox, Geraldine, 1H	Lubbock	Gilmore, Harry, 1E	Artesia, N. Mex.
Fox, Jack Francis, 1S	Childress	Gilmore, Wilson, 3G	Wichita Falls
Francis, Claude, 1B	McKinney	Ginn, Guy W., 1E	Lockney
Francis, Mary Jim, 1B	Clarksville	Givens, Edwin, 2A	Childress
Francis, Mildred Arnette, 3Ed	Houston	Glass, Bird L., 4Ed	Greenville
		Glass, Joyce L., 1G	Crosbyton
Franklin, Gladys I., 4G	Rule	Glasscock, Juno, 3Ed	Muleshoe
Frazier, Kenneth, 2A	Farmersville	Glasscock, Margaret A., 1G	Truscott
Frazier, Nena Mae, 4G	Gilmer	Glazner, Charles, 3E	Lubbock
Frazier, Robert, 1B	Tulia	Glazner, Elbert D., 2E	Lubbock
Freeland, G. Veo, 2B	Lubbock	Glidewell, Beatrice, 4G	Truscott
Freeland, J. Huberne, 4Ed	Lubbock	Glover, Earl Robert, 1G	Raymondville
Freeman, John R., 5G	Lubbock	Glover, Lloyd H., 4G	Raymondville
French, Jack, 1G	Stamford	Gobble, Earl Ross, 2S	Carta Valley
Fry, Klipstein, 2B	Lubbock	Godeke, Richard H., 2E	Lubbock
Frost, Mary Ellen, 3G	Levelland	Godwin, Lois C., 2H	Levelland
Frizzell, Bertrand, 1E	Lockney	Goforth, Elmer Earl, 1E	Wellington
Fry, Maxine, 1G	Floydada	Golightly, W. E., 4S	Floydada
Fudge, James Owen, 2E	Dallas	Goode, Miriam, 3G	Greenville
Fuller, Clayton, 3A	Lubbock	Goodloe, Mariam, 2G	Lubbock
Fuller, Gertrude, 1H	Lubbock	Goodman, Mrs. Lena E., 1G	Lubbock
Fuller, Jack Bartlett, 2G	Lubbock	Goodson, Bob, 2E	Lubbock
Fuller, James E., 1G	Olton	Goodwin, Elaine, 4B	Lubbock
Fuller, J. Milton, 1S	Olton	Gordon, Frances Ellen, 2S	Itasca
Fuller, Pearl, 1H	Jayton	Gordon, Marshall W., 2G	Lubbock
Fuqua, Duane, 2S	Amarillo	Gordon, Sam, 2A	Itasca
Fyffe, Alice Mae, 2G	Floydada	Gosdin, Frank, 1B	Lubbock
Fyffe, Bonnie Dale, 1H	Floydada	Gracey, Marie, 2Ed	Brownfield
Fyke, Edgar Douglas, Jr., 3G	Weatherford	Grafa, Barney G., Jr., 2S	Lubbock
		Gragg, Cedric, 2E	Dallas
Fyke, Gwendolyn, 1G	Mineral Wells	Graham, Gertrude, 1B	Lubbock

Graham, Mrs. Gilliam, 1G	Brownfield	Hale, Edna, 1H	Jacksboro
Graham, Katie Lee, 3G	Farwell	Hale, James Rayburn, 1B	Lubbock
Graham, Mary Eunice, 2H	Farwell	Hale, Robert H., 2B	Lubbock
Graham, Robert E., 3G	Denton	Hale, W. V., 4Ed	Lubbock
Graydon, Elizabeth Ruth, 1G	Lubbock	Hall, A. G., 3G	Lubbock
Greathouse, Walton Dee, 3E	Blackwell	Hall, Elva Laura, 1G	Lubbock
Green, Joe Edwin, 1G	Borger	Hall, Louise, 2G	Gatesville
Green, Ethel E., 4H	Lubbock	Hall, Maynard, 2B	Lubbock
Green, Kendrick, 2A	Lubbock	Hall, Paul, 4E	Weatherford
Green, L. C., Jr., 1E	Brownfield	Hall, Wayne, 1E	Quitague
Green, Margaret, 4S	Lubbock	Hall, William M., 2S	Water Valley
Green, Merle, 2H	Levelland	Hall, William W., 3A	Hale Center
Green, Norvell, 1E	Stratford	Hallmark, Milton, 1E	Loraine
Green, Opha Lois, 1H	Slyvester	Halsey, James, 1S	Plainview
Green, Stella Mae, 3H	Levelland	Halsey, Marcus, 2G	Lubbock
Green, Truman J., 4E	Portales, N. Mex.	Hambright, Janet, 2B	Lubbock
Green, Truman, J., 4E	Portales, N. Mex.	Hamilton, Annie Letha, 2Ed	Brownfield
Green, Willard, 1B	Lubbock	Hamilton, Clarence, 2B	Childress
Greene, Wilmer, 1S	Gainesville	Hamilton, Mary Dorcas, 3H	Quitague
Greenfield, G. B., 2B	Shamrock	Hammack, J. M., 2B	Lubbock
Greenlee, L. C., 1B	Lamesa	Hammons, Abbie, 2H	Gordon
Greer, Essie Marie, 1B	Lubbock	Hamrick, Grady, 5Ed	Snyder
Greer, Lela Frank, 2G	Wilson	Hancock, George, 2G	Tahoka
Gregory, Evelyn, 3G	Lubbock	Hancock, J. E., 4Ed	Lubbock
Gregory, Grover Carlyle, 4E	Teague	Hancock, Robert, 1B	Lubbock
Gresham, C. E., 4E	Newlin	Handley, Leora Mae, 2B	Lamesa
Griffin, Estelle, 5G	Lubbock	Hanes, Frank B., 2G	Jonesboro
Griffin, Etchel Earl, 2E	Childress	Hankins, Alton, 2G	Lubbock
Griffin, Fred, 3G	Grapevine	Hansch, Carl, 1A	Darrouzett
Griffin, Wayne, 1A	Acuff	Hardberger, Mary Geniece, 3Ed	Lubbock
Griffing, D. Hollis, 4E	Mertens	Hardgrave, Lyle, 4E	Lubbock
Griffis, John L., 2B	Lubbock	Hardgrave, Lynn, 3E	Lubbock
Griffis, Ruth, 1G	Lubbock	Hardgrave, Sophie Alice, 2G	Lubbock
Griffith, Dorothy Jane, 4G	Maypearl	Harding, Robert, 4E	Dallas
Griffith, Horace Ernest, 4G	Loraine	Hardy, H. L., 1S	Throckmorton
Griffith, William T., 4E	Loraine	Hardy, Mrs. Louise, 5G	Lubbock
Grigg, Melvin, 3E	Lubbock	Hardy, Wayne, 3S	Lubbock
Grigg, Tommie, 2H	Andrews	Hargrave, L. M., 4A	Hale Center
Griggs, Joseph R., 5Ed	Lubbock	Harkey, Jerome, 2E	Lone Oak
Grigsby, Alice Virginia, 3H	Lubbock	Harman, Dean, 1A	Tulia
Grigsby, Bill, 1G	Lubbock	Harmel, Ora Mae, 2Ed	Plainview
Grimes, Fred, 2B	Hillsboro	Harper, Bryan, 3B	Lubbock
Grimes, Wilson Alfred, Jr., 3E	Greenville	Harper, Carl, 5G	Lubbock
Grimsley, Betty, 2H	Lubbock	Harrell, Edward, 1A	Ft. Stockton
Grissom, John Edward, 3B	Lubbock	Harrell, Clayburn, 1A	Spur
Grist, J. Walter, 3A	Tulia	Harrell, Irene, 1Ed	Lamesa
Grizzelle, Adrain D., 1B	DeLeon	Harrell, James, 4E	San Saba
Groves, R. T., 5S	Lubbock	Harrington, Horace E., 3S	Lubbock
Groves, Mrs. R. T., 5G	Lubbock	Harris, Arline, 2S	Lubbock
Grubb, Robert, 1E	Rotan	Harris, Carl, 3A	Mart
Grundy, Jack A., 4E	Quitague	Harris, Eva Dell, 1G	O'Donnell
Grundy, Lola May, 2G	Floydada	Harris, Fern R., 4A	Southland
Gulledge, Mrs. Mary, 4Ed	Lubbock	Harris, Callie Irene, 3G	Whiteland
Gulledge, Velda Beth, 4H	Lubbock	Harris, Marion F., 4S	Sallisaw, Okla.
Guthrie, Essie Lee, 2H	Sweetwater	Harris, Mattie Pearl, 1Ed	Idalou
Guthrie, Jewell F., 2A	Sweetwater	Harston, L. C., 1B	Dallas
Guthrie, John S., 4E	Seymour	Hart, Jim Allee, 5G	Rockwood
Guzrik, Frank, 1G	Sherman	Hart, Mary Frances, 4G	Aquilla
Haag, H. L., 2G	Lubbock	Harter, Astena, 3H	Tahoka
Hadsell, Nancy Ann, 1G	Denton	Harvel, Ross H., 1A	Hale Center
Hahn, B. Edgar, 1E	Sweetwater	Harvey, Marvin J., 2G	Idalou
Haile, Lorel, 1B	Stratford	Haskins, Geraldine, 1H	Lazbuddy
Haïr, Bailey, 2S	Olton	Hastings, Kathleen, 1B	Lamesa
Halbert, Eleanor, 2Ed	Plainview	Hatch, Newel, 1G	Plainview
Hale, Claude Lee, 5Ed	Lubbock	Haught, O. B., 2G	Shallowater
		Hauk, Juanita, 3H	Levelland
		Havens, Heston, 1E	Levelland

Havis, Melvin, 4A	Lubbock	Hill, Ruby, 4Ed	Lubbock
Hawthorne, Pauline, 2Ed	Lubbock	Hill, Samuel S., 2A	Nocona
Hayes, Dixon, 1E	Lewisville	Hilton, Blanche, 3G	Floydada
Haygood, John D., 2E	Lorenzo	Hinchey, John J., 4S	Lubbock
Hayhurst, La Verne, 3H	Littlefield	Hinds, Van S., 4B	Lubbock
Haymes, Nancy Jo, 2G	Lubbock	Hines, Margaret, 1G	Lorenzo
Haynes, A. B., 2A	Houston	Hines, Truman, 4G	Lubbock
Haynes, Beauford, 2E	Abernathy	Hinson, Gladys, 1B	Kalgary
Haynes, Joe W., 2E	Aspermont	Hinson, Molly Lou, 2H	Kalgary
Hays, Lellesse, 4G	Lawn	Hipp, Jewell, 4H	Hart
Hazel, Harry C., 5B	Lubbock	Hitchcock, Hal, 3B	Lexington
Hazelwood, Hugh, 1B	Spearman	Hoard, Clindon, 2G	Ireland
Headrick, Dorothy, 3B	Amarillo	Hobbs, Vincent, 1S	Perryton
Headstream, Bill, 1S	Ropesville	Hodge, Ernest C., 1G	Shallowater
Headstream, Ray, 3E	Roby	Hodge, Fay R., 1G	Bellevue
Heath, Jarrell, 1G	Lubbock	Hodge, Mattie Cora, 1G	Bellevue
Heath, Norman, 1G	Lubbock	Hodges, Eleanor, 3H	Lubbock
Heatly, Rose May, 4G	Lubbock	Hodges, James, Jr., 1S	Lubbock
Heggen, Lloyd, 1E	Abernathy	Hodges, Louise, 2G	Lubbock
Heggen, Lucille, 3G	Abernathy	Hodges, Richard, 1E	Corpus Christi
Heidel, F. L., 3G	Lovington, N. Mex.	Hodges, R. N., 1E	Quinlan
Heierman, Dan H., 3A	Imperial	Hogan, Era Belle, 3H	Spur
Heineman, Mrs. Eileen G., 5G	Lubbock	Hogan, Gary, 1G	Greenville
	Lubbock	Hogsett, Bill, 1E	Midland
Helm, Charlotte, 2S	Hale Center	Hokit, Lena Mae, 1G	Ft. Stockton
Helms, Jack, 2B	Plainview	Holbert, Leon Richard, 1G	Chillicothe
Helms, Robert, 2E	Plainview	Holcomb, C. A., Jr., 3G	Lubbock
Henderson, John B., 1A	Linden	Holcomb, Dysart, 2E	Wellington
Hendrick, Ernestine, 3G	Rogers	Holcomb, H. A., Jr., 2E	Wellington
Hendrix, Holman, 1E	Lubbock	Holcomb, Hermione, 1H	Quanah
Henington, Graham, 1S	Lovington, N. Mex.	Holcomb, William, 2S	Sulphur Springs
	Lovington, N. Mex.	Holden, Mrs. W. C., 5G	Lubbock
Henry, Donald, 2G	Lorenzo	Holder, John Field, 1G	Lubbock
Henry, Gladys, 3Ed	Ralls	Holland, Elizabeth, 1H	Lubbock
Henry, Grafton, 2S	Slaton	Holland, Price, 4B	Olton
Henry, J. T., 3A	Sterling City	Hollars, James Wilson, 1A	Vernon
Henry, Rayburn, 2E	Lorenzo	Holley, Winifred D., 1A	Bend
Henry, Sam A., 2G	Lubbock	Holliman, Inez, 1H	Wellington
Henry, Wilma J., 2G	Dublin	Hollingsworth, Helen, 1G	Childress
Henslee, Homer E., 1E	Hereford	Holloway, Margaret J., 1H	Lubbock
Hensley, Inez, 3E	Lubbock	Holloway, Samuel Seward, 1G	Lubbock
Hensley, Jessa Lee, 2H	Lubbock		Lubbock
Hensley, Zan K., 1G	Tahoka	Holly, Mrs. Evalene, 4H	Muleshoe
Henson, Charles A., 3E	Seymour	Holmes, Frances Gayle, 1G	Lubbock
Henson, Lois Eugenia, 2G	Lubbock	Holmes, Jesse, 3G	Lubbock
Hergert, Irvin Lee, 3B	Perryton	Holt, Dennis, 2S	Lubbock
Herring Ernestine, 3G	Lubbock	Holt, Dillon V., 3G	Pampa
Herring, Estalyne, 1G	Lubbock	Holt, J. B., Jr., 2E	Colorado
Hervey, Jarrett, 2B	Greenville	Holtkort, A. J., 2B	Lubbock
Hess, Margaret, 3B	McLean	Honey, Floyd, 5B	Lubbock
Hess, Naomi Ruth, 2Ed	McLean	Honey, Glenys, 5G	Lubbock
Hester, Allen, 1B	Knox City	Hooser, Harvey, 1S	Big Spring
Hewlett, J. P., 4A	San Benito	Hooser, Nita Pauline, 3H	Seymour
Hiatt, Haws, 1E	Lubbock	Hooten, Mrs. Maude L., 2H	Woodson
Hicks, Artie, 1G	Lubbock	Hoppe, Wilkins B., 3E	Winters
Hicks, Bill Moore, 1S	Colorado	Hopper, Mary Lou, 4G	Lubbock
Hicks, John H., 2G	Pittsburg	Hopping, Doris, 2G	Lubbock
Hicks, Leon, 1E	Pittsburg	Hopping, Patti, 4G	Lubbock
Hicks, Robert T., 1S	Waco	Horne, Mary Jane, 3G	Lubbock
Hicks, Travis, 1E	Corpus Christi		San Jon, N. Mex.
Hicks, W. Kenneth, 2S	Lubbock	Horne, O. C., 5Ed	Lubbock
Hieserman, Clarence, 2A	Iowa Park	Horton, Carl E., 2E	Dallas
Higginbotham, Roy, 2A	Chillicothe	Horton, Ima Guyrene, 1H	Hurlwood
Hightower, Elvis, 3A	Eastland	Horton, Minnie, 3G	Hale Center
Hill, Cecil A., 2A	Coolidge	Houghton, Waldo E., 2S	Floydada
Hill, Mrs. Grace Baker, 4H	Lubbock	Houston, Forrest Gish, 1G	Ft. Worth
Hill, James E., 1A	Midland	Houston, Mildred C., 1G	Hamilton
Hill, James Henry, 2A	Clovis, N. Mex.	Houston, Pegues, 2A	Stanton
Hill, Morris, 1A	Waco	Houston, Robert Ewing, 2E	Plainview

Howard, James H., 1E	Borger	Ireland, William W., 4B	Lubbock
Howard, J. M., 1B	Holliday	Izard, Roleta, 2G	Lubbock
Howard, Marshal, 5A	Smyer		
Howell, Burnett, 1G	Vernon	Jackson, Alfred, 3Ed	Lubbock
Howell, Charles G., 1E	Lubbock	Jackson, Callie Lee, 2H	Lubbock
Howell, Charles M., 3E	Lubbock	Jackson, Fred E., 1E	Lubbock
Howell, David H., 1A	Brownfield	Jackson, George D., 2B	Lubbock
Howell, James P., 3G	Lubbock	Jackson, Pearl, 3Ed	Lubbock
Howell, John T., 3G	Lubbock	Jackson, T. C., 1B	Shamrock
Howell, Mary Loch, 2H	Lubbock	Jackson, Lonora, 3G	Morton
Howell, Mary M., 1G	Knox City	Jackson, Lee, 1E	Lubbock
Howell, May Tom, 4H	Lehman	Jackson, Mildred, 2Ed	Canadian
Howell, Woodrow G., 2G	Lubbock	Jackson, Mrs. Ruth B., 2H	Lubbock
Howie, Randall, 1B	Big Spring	Jackson, Vivian, 1H	Chillicothe
Huber, Jack, 2A	Amarillo	Jacobs, Jack, 2E	Lubbock
Huckabay, William L., 1S	Slaton	Jacobsen, Berry Orr, 1E	Hereford
Huckabee, Barbara, 2H	Wichita Falls	Jacoby, Paul, 1G	Chandler, Okla.
Hudgens, Pauline, 2S	Amherst	Jagers, Billie B., 1S	Morton
Hudgens, Vineta, 1H	Paducah	James, Kathleen, 2G	Lubbock
Hudgens, Frank, 2B	Cleburne	James, Marion B., 5G	Lubbock
Hudman, Fred, 1S	Caddo	James, Philip M., Jr., 4S	Lubbock
Hudman, Kathryn, 3S	Lubbock	James, Regina, 1G	Lubbock
Hudson, Anna Ferne, 2G	Dalhart	Jarrett, Mrs. Esther, 4G	Lubbock
Hudson, Charles, 1B	Temple	Jay, Walter, 2G	Lubbock
Hudson, Elsie Marie, 3G	Novice	Jeffreys, Estelyne, 4Ed	Lubbock
Hudson, Florence Louise, 2H	Shallowater	Jenkins, J. R., 1A	Lubbock
Hudson, Granville, 3S	Pyote	Jenkins, Jack S., 2E	Levelland
Hudson, Leldon, 2A	Wellington	Jenkins, Opal Inez, 3G	Muleshoe
Huff, Hugh, 1A	Lubbock	Jennings, Bruce, Jr., 1E	Davilla
Huff, Ollie Lee, 1H	Merkel	Jennings, Elton, 1B	Mineral Wells
Huffman, Berl, 5G	Lubbock	Jennings, E. M., 4G	Lubbock
Huffmyer, Jack, 1S	Midland	Jennings, Helen E., 4S	Lubbock
Huggins, Oscar Marion, 1E	Sulphur Springs	Jennings, Kathleen, 5G	Plainview
Huggins, T. F., 5Ed	Lubbock	Jernigan, Martha, 4H	Childress
Hughes, Howard, 1A	Channing	Jester, Joe, 1B	Ralls
Hughes, Madeline, 4G	Lubbock	Jobe, Doris, 1G	Rule
Hughes, Nell, 2G	Merkel	Johns, Raymond Lee, 1G	Slaton
Hughes, Vera, 1H	Peacock	Johnson, Byron, 2Ed	Stoneburg
Hughett, Maurice, 2E	Lubbock	Johnson, Grace, 1G	Lubbock
Hulin, Lovena, 1H	Lubbock	Johnson, Helen A., 1G	Venus
Hull, Clarice, 5Ed	Lubbock	Johnson, Jack, 2A	Dunn
Humphreys, David D., 3S	Clinton, Okla.	Johnson, Juanita, 1B	Graham
Humphries, David D., 1B	Boxelder	Johnson, Marshall, 2E	Cleburne
Humphries, Harold, 1B	Lubbock	Johnson, Mary Jane, 1B	Lubbock
Hunt, Elva Mae, 1B	Lubbock	Johnson, Max S., 1E	Plainview
Hunt, Hollis, 1S	O'Donnell	Johnson, Ober Vaughn, 2E	Haskell
Hunt, Lucille, 4H	Claude	Johnson, Robert Earl, 1B	Dalhart
Hunt, Roberta, 2E	Claude	Johnson, Ruby Doris, 2G	Vernon
Hunter, Earl Eugene, 3B	Ft. Worth	Johnston, Ardell, 2H	Lubbock
Hurmence, Howard, 4E	Lubbock	Johnston, Cecil, 2S	Slaton
Hurmence, Marian M., 1G	Lubbock	Johnston, James A., 4E	Lubbock
Hurmence, Ruth F., 4G	Lubbock	Johnston, Joseph Rex, 3A	Floydada
Huston, Margaret, 2H	Lubbock	Johnston, Katherine, 2B	Lubbock
Hutchinson, Janelle, 1B	Tulia	Johnston, Lennie B., 4B	Lubbock
Hutchinson, Joe C., 4S	Lubbock	Johnston, Mary Frances, 3H	Lubbock
Hutchinson, Ruth, 4G	Lubbock	Joiner, Winifred 2G	Hamlin
Hutchinson, Tom, 2G	Lubbock	Jones, Alma, 1G	Stanton
Hutton, Deane, 1G	Truscott	Jones, Betty, 1G	Hereford
Hynds, Nat, 1Ed	White Deer	Jones, Carl E., 1B	Portales, N. Mex.
		Jones, Clemen Sam, 2B	Abilene
		Jones, Cleve, Jr., 1A	Sonora
		Jones, Clydene, 2B	Lubbock
		Jones, Creswell, 2B	Sherman
		Jones, Elizabeth, 2G	Paducah
		Jones, Estes, 1S	Wellington
		Jones, Esther, 2E	Lubbock
		Jones, Frances E., 1G	Lubbock
		Jones, Jeannette, 2G	Clarksville
		Jones, J. L., 1A	Ranger
Immel, Kathryn, 3H	Borger		
Ince, Leon, 4E	Cleburne		
Ingram, Owen B., 1B	Winters		
Irby, Reddell, 1E	Turkey		
Ireland, Mary Elizabeth, 1G	Hereford		
Ireland, Woodrow, 3B	Hereford		

Jones, Katherine, 1B	Munday	Floydada
Jones, Lewis, 1G	Cleburne	Silverton
Jones, Mark E., 1S	Morton	Floydada
Jones, Maston, 1E	Lubbock	Memphis
Jones, Merle, 4E	Lubbock	Lubbock
Jones, Mildred, 3Ed	Lubbock	Kirkpatrick, Georgia K., 1K
Jones, Mittie, 3Ed	Clyde	Littlefield
Jones, Morgan, Jr., 1B	Clovis, N. Mex.	Kisinger, J. Y., 1E
Jones, Nancy, 2E	Dallas	Olton
Jones, Rozelle, 2H	Weinert	Kitching, Karrol, 1G
Jones, R. V., 2B	Big Spring	Turkey
Jones, Sam Hastings, 4E	San Angelo	Kistler, Beulah Rosa, 2G
Jones, Truman C., 3B	Mineola	Muleshoe
Jones, William R., 2A	Childress	Kittrell, Lucile, 2H
Jons, Maurine, 1E	Lubbock	Petersburg
Jordan, Harry, 1G	Big Spring	Klein, Ed Harvey, 3G
Jordan, Reginald, 1B	Fort Worth	Waco
Jungman, Eleanor, 1G	Munday	Klous, Austin Foster, 1B
		Tulia
Kaderli, Allene, 2H	Stanton	Knight, Mary, 3H
Karr, Opal, 1G	Lubbock	Lubbock
Karr, Ray, 4A	Spur	Knight, Maynard D., 2S
Kay, Hugh, 4E	Lubbock	Lubbock
Kay, Roy L., 1E	Fort Worth	Knox, Elliot, 4E
Keahey, Walter, 1B	Roaring Springs	Roby
Keaster, Effie Lou, 4S	Lubbock	Knudson, Elmo, 2E
Keeling, Bishop, 1G	Dallas	Clifton
Keen, Richard E., 2A	Joy	Koch, Paul J., 1A
Keeter, Ruth, 3S	Claude	Follett
Keeton, Lenro, 3S	Bonham	Koger, Robert Curtis, 1A
Keeton, Marjeayne, 1Ed	Hurlwood	Lamesa
Keever, George L., 2S	Mobeetie	Kolb, Weldon Garrett, 1S
Keeley, Jim, 1E	Hobbs, N. Mex.	Lubbock
Kelley, Leona Mae, 4G	Idalou	Korn, Louis Oscar, 2S
Kelley, Oleta, 1G	Lubbock	Dallas
Kelley, William H., 1S	Pampa	Kornegay, Robert, 2G
Kelly, J. Dyche, 4E	Lubbock	Dallas
Kelly, Wayne, 1B	Morse	Kotrola, Alvin E., 3S
Kelsey, Harry, 3Ed	Lorenzo	Taylor
Kelton, Willard, 4E	Baird	Kral, Thomas, Jr., 5E
Kendrick, Frances, 1H	Seminole	Roby
Kennedy, Joe L., 5S	Lubbock	Krueger, Mrs. J. T., 4G
Kennedy, Mrs. Joe, 5G	Lubbock	Lubbock
Kennedy, Paul L., 4S	Estelline	Kunkel, Casey, 3B
Kennedy, Tommie Lee, Jr., 1A	Lubbock	Lubbock
		Kunkel, Zona, 2G
Kenneth, Stanley Francis, 2G	Austin	Labay, Walter, 4A
Kerbow, Maude A., 1G	White Deer	Granger
Kerr, Ayme Rhue, 1H	Idalou	Laine, Morris, 2G
Kerr, Emmett B., 2E	Lubbock	Spur
Kerr, Mrs. Geneva, 3G	Lubbock	Lamar, Janana Ballard, 4G
Kerr, Lewis, 2B	Lubbock	Bernice, Okla
Kersey, Cecil Glenn, 5S	Lubbock	LaMaster, Cy, 3S
Key, Cecil, 4E	Lamesa	Perryton
Key, Mrs. E. E., 5Ed	Lubbock	Lamb, Archibald Green, 1A
Key, E. E., 5G	Lubbock	Ft. Worth
Key, Johnny, 2A	Wilson	Lamb, Iris Tona, 4G
Killian, Violette Oreltha, 2B	Ft. Worth	Lake Creek
Kilpatrick, John Robert, 2G	Cisco	Lamb, Noel Raymond, 3E
Kimble, Mary Anne, 2G	Floydada	Bridgetown
Kimbro, Mrs. Albert, 5G	Lubbock	Lancaster, Carolus Newton, 1S
Kimmel, James, Jr., 2G	Lubbock	Clovis, N. Mex.
King, Dale, 1B	Roaring Springs	Lance, Lewis Wilford, 1B
King, Don, 4A	Brownfield	Perryton
King, John G. 1S	Lubbock	Land, Carrie Mildred, 1G
King, John L., 3E	Lubbock	Lamesa
King, Owen R. 2E	Cheyenne, Wyo.	Landrum, Cyrus Allen, 2G
King, Patti Anne, 3G	Spur	Fluvanna
King, Raymond Larimore, 2A		Lane, Christine, 1Ed
		Lubbock
		Lane, Hilda L., 5G
		Lubbock
		Laney, James Arthur, 2S
		Lubbock
		Langsdale, Fred Darrow, 1E
		Fort Worth
		Langford, Billie, 2E
		Lubbock
		Langford, Maxine, 2S
		Lubbock
		Lankart, Victoria, 3G
		Waco
		Laquey, Carlos, 1E
		Dalhart
		Larmer, Madeline, 5G
		Lubbock
		Lattimore, James Padley, 2A
		Lubbock
		Lawrence, Geraldine, 4Ed
		Lubbock
		Lawrence, Paul, 3B
		Muleshoe
		Lawson, Ethel, 5Ed
		Lubbock
		Lawson, Reed, 1E
		Lockney
		Leary, Ruby Lee, 1G
		Lubbock
		Leathers, Leroy Bertie, 2G
		Lelia Lake
		Leaverton, Nancy Ruth, 3G
		Lubbock
		Leavitt, Lauraine, 2Ed
		Wilson
		Ledbetter, Talbot, 3E
		Brady
		Lee, Alton, 1A
		Littlefield
		Lee, Josephine Kay, 3G
		Lubbock
		Lehmberg, Helen Grace, 2G
		Mason
		Lehr, John D., 3E
		Lubbock
		Leidigh, Katherine, 3H
		Lubbock
		Lemons, Joe Fred, 2S
		Silverton
		Leslie, Hillery Allen, 2E
		Kres.
		Letherman, Mary, 1G
		Ft. Sumner, N. Mex



Lewis, Billy, 2A	Sweetwater	McCarroll, John, 2S	Mobeetie
Lewis, Jennings, 4B	Lubbock	McCarty, Aubrey, 1G	Lubbock
Lewis, Orval Leroy, 1E	Guymon, Okla.	McCarty, Chester, 3B	Lubbock
Lewis, Ruth Elaine, 2G	Lubbock	McCarty, James Weldon, 2E	Lubbock
Libby, Raymond Hartt, 1S	San Juan, Porto Rico	McCarty, Mary, 1E	Snyder
Lieb, Chesta Ernest, 1B	Pringle	McCasland, Barney C. Jr., 1E	Tulia
Lieske, Helen A., 3Ed	Crosbyton	McCauley, Eddie, 1E	Megargel
Light, Ruth Elizabeth, 2H	Bula	McClain, Futrelle, 1G	Lubbock
Liles, Joe H., 4A	Lubbock	McClain, John T., 1B	Lubbock
Lindley, J. G., 1B	Lubbock	McCleskey, Madie, 5G	Lipan
Lindley, Nina Carter, 5Ed	Lubbock	McClish, Martha, 1H	Brownfield
Lindsay, Robert Wesley, 1S	Fluvanna	McClish, Velma, 2Ed	Lubbock
Lindsey, Barbara Rachael, 2G	Abernathy	McCollum, Schacht, 1S	Texor
Lindsey, James L., 3G	Lubbock	McCook, Mrs. J. R., 2Ed	Lubbock
Line, Gwyne, 1G	O'Donnell	McCorkle, Eula, 5Ed	Lubbock
Lipscomb, Jack, 1G	Bonham	McCormich, Myron, 2E	Amarillo
Lisemby, Thomas A. Jr., 3Ed	Lubbock	McCown, Joe, 1G	Quanah
Liston, Lovic, 4Ed	Dallas	McCoy, R. K., 1A	Meadow
Little, Woodrow, 4G	Harlingen	McCrummen, Alene, 2G	Lubbock
Littlejohn, Jack H., 1S	Tulia	McCrummen, Hall, 2E	Lubbock
Littlepage, Cleveland Lee, 3A	Tahoka	McCrummen, Louise, 1H	Lubbock
Litton, Fred, 4E	Lubbock	McCustion, LaVola, 1Ed	Stamford
Litton, James Barron, 1E	Lubbock	McCustion, Truett, 2A	Stamford
Lloyd, Maurice Spencer, 1S	Lubbock	McCulloch, Gussie, 2G	Plains
Lockhart, Mrs. Jesse, 5G	Lubbock	McCullough, Coy R., 2A	Lubbock
Lofland, Raymond, 3Ed	Royce City	McCullough, Hugh, 1B	Waco
Loftin, Ashley, 2E	Tulia	McDade, Joseph Lee, 1A	Dumas
Lofton, K. T., 4A	Post	McDaniel, Celestine, 2G	Kress
Loggins, Maurice, 1E	Sweetwater	McDavid, Bill, 2E	Amarillo
Lomax, Dorothy, 5G	Lubbock	McDermott, O. C., 3G	Tyler
Long, George B., 3G	Lubbock	McDonald, Austine, 1H	Lubbock
Long, George W., 1S	Electra	McDonald, Dan, 1E	Blackwell
Long, Worthly, 1E	Lubbock	McDonald, Jack, 1E	Lubbock
Looney, Catherine, 3Ed	Paducah	McDuff, James, 2G	Lubbock
Lott, LaVerne, 1G	Clarendon	McElroy, D. M., 3B	Dallas
Lott, Marjorie Frances, 1G	Brice	McElroy, George Ellen, 1G	Ralls
Lott, Woodrow, 3E	Slaton	McElroy, Lee Hick, 3A	Eldorado
Loughridge, Catherine, 4H	Big Spring	McElroy, Phyla, 1B	Farwell
Love, Joe, 1E	Lubbock	McGee, Emerson, 2E	Borger
Lovelace, Paul H., 2G	Linden	McGee, Jean, 1G	Lubbock
Lovell, Jonnie, 2G	Dickens	McGee, Mrs. Minnie, 1Ed	Lubbock
Lowery, E. J., 5G	Lubbock	McGowan, Jack, 2E	Leonard
Lowry, John M., 4E	Plainview	McGuire, Asta, 1B	Lamesa
Lowry, Leonard F., 1E	Plainview	McGuire, Venita, 1B	Lamesa
Loyd, Aubrey, 2B	Amherst	McGuire, Willie Marie, 2H	Vera
Loyd, Doris, 1H	Amherst	McIlhaney, Sam, 1B	Lubbock
Luckie, Margaret, 2Ed	Brownfield	McKay, Margaret J., 1H	Belton
Lumsden, William, 1B	Wilson	McKay, Opal, 5G	Lamesa
Lundell, Eugenia, 2B	Lubbock	McKee, Frances, 3G	Lubbock
Lunn, Wacel, 4B	Wichita Falls	McKee, Edward C., 4G	Spafford
Lynch, Richard Joe, 1B	Fort Worth	McKelvey, W. H., 3B	Lubbock
Lynn, Wilton E., 4G	Lubbock	McKinney, Wm. T., 5A	Lubbock
Lytte, Bonner, 3Ed	Quanah	McKinney, Mrs. Wm. T., 3Ed	Lubbock
Lytte, Ovel, 3H	Quanah	McKnight, Alvin, 1S	Hale Center
McAdams, Carl, 4E	Gordonville	McLane, Floyd, 3B	Lufkin
McAdams, Mary Leta, 2H	Lockney	McLarty, Mrs. Truda, A., 3Ed	Lubbock
McAlister, Neoma, 3H	Weatherford	McLaughlin, Lloyd, 2B	McAdoo
McAlister, Winburn B., 3A	Weatherford	McLendon, Dan Proctor, 1S	Odessa
McAlister, Jesse, 1A	Tuxedo	McLeod, Vernon, 4A	Wortham
McAngus, Eli, 3E	Eldorado	McMahon, Bonnie, 3Ed	Lubbock
McCann, Agnes, 2E	Lubbock	McManis, Velma, 1Ed	Tahoka
McCarley, Florence, 1Ed	Colorado	McMath, Robert Carroll, 1G	Lubbock
McCarley, Geraldine, 1Ed	Colorado	McMillan, Emmett, 1B	Lubbock
McCarroll, Billy, 1G	Mobeetie	McMurry, Bill, 2S	Colorado
		McMurtry, Edward Hoyse, 3E	Vigo Park
		McMurtry, Merle Dawson, 1A	Vigo Park

McNeese, Charles Howard, 2E	Mathis, Mary, 3G	Lubbock
..... Silver City, N. Mex.	Matthews, Ersel Hilliard, 2E	Floydada
McNeese, Craig, 4E	..... Lubbock	
McNeill, Jamie, 2G	Matthews, R. W., 5Ed	Lubbock
McNeill, John Daniel, 1G	Mattison, Ben C., 1G Hobbs, N. Mex.	Lubbock
McNeill, Ray, 1S	Maxey, Carl, 1B	Lubbock
McPeake, Tom, 1A	Maxwell, Evelyn, 1B	Paint Rock
McPherson, Frank, 3E	May, James Duey, 3B	McKinney
McReynolds, Opal, 1G	Mayfield, Ivan, 1S	Spur
McSpadden, Kerwyn, 1S	Mayfield, Lynn, 1B	Spur
McWhirter, La Verne, 2H	Mayhugh, Frances, 4G	Plainview
McWhirter, Jesse Ruth, 2B	Mayhugh, Margaret, 3G	Plainview
McWilliams, Bennie, 5G	Mayo, Erle, 4E	Eastland
McWilliams, Thomas J., 2B	Meador, Mary Ellen, 3Ed	Lubbock
..... San Benito	Mears, J. Wayne, 1A	Fluvanna
McWilliams, Walter Varner, 2A	Medford, Mary Margaret, 4G	Avery
..... Whiteflat	Meekma, Archie, 1A	Olton
Macha, Irma, 1H	Meier, Leo, 1A	Follett
Macha, Lebusa, 2H	Meredith, Henry, 1E	Cleburne
Mackay, Hector, Jr., 2B	Merket, Stanley, 1E	Hermleigh
Maddox, Frank M., 3G	Merrell, Cecil W., 1G	White Deer
Maddox, Padgett, 2B	Merriman, Mrs. Helen, 5G	Lubbock
Maedgen, Charles, 4G	Merriman, Wayland, 2E	Wheeler
Magee, Ruth, 3G	Merritt, Elnora, 1H	Childress
Magee, Virginia, 3G	Merritt, John T., 1E	Colorado
Malcolm, Luther L., 1G	Messersmith, Lawrence, 4Ed	.....
Mallett, J. Clayton, 2B	..... Fort Worth	
Maloney, Margaret, 3S	Messick, Elois, 1Ed	Lubbock
Maner, Bailey, 3A	Messick, Fern, 1G	Wellington
Mangum, Lois Elinor, 4G	Messick, Jessie Mae, 2G	Wellington
Manire, Delilah I., 1H	Metcalf, Mrs. Leona, 5G	Lubbock
Manire, Edmond LeRoy, 4E	Metcalf, Mrs. Pearl R., 2Ed	Lubbock
Mankins, Roy, 1G	Meyers, Marvin, 2S	Lubbock
Manning, John, 3A	Michael, Rex, 3B	Franklin
Mapes, Fred, 2A	Michie, Sue, 4Ed	Lubbock
Mapes, Joe, 2E	Mika, Hugo, 5A	Meadow
Mara, Jewel, 1A	Miles, Lela Mae, 1Ed	Midland
Marks, R. Leon, 3A	Millard, Virginia, 1H	Fort Worth
Marr, John Winton, 3S	Miller, Don C., 2B	Greenville
Marr, Lloyd, 2G	Miller, Earl Dix, 1E	Lubbock
Marrriott, Charlie, 1B	Miller, Ed H., 2A	Fort Worth
Marse, John Joseph, 3G	Miller, Edgar, 1E	Plainview
Marshall, Carl, 1A	Miller, Lloyd, 1A	Tulia
Marshall, Douglas, 3A	Miller, Opal, 3S	Big Spring
Marshall, Robert, 1A	Miller, Powell, 3S	Lubbock
..... Fort Sumner, N. Mex.	Miller, Vanis, 2E	Seymour
Martin, Volney Guy, 4S	Milling, John Dean, 1B	Strawn
Martin, James, 4G	Mills, Audrey, 1G	Tulia
Martin, Malcolm, 3B	Mills, Norma Lee, 1G	Lubbock
Martin, Mary Belle, 2H	Mills, Wade Bernard, 1A	Tulia
Martin, Mary Martha, 1Ed	Millsap, Laurene, 4G	Lubbock
Martin, Mattie, 2G	Minor, Johaun Henry, 1B	Lubbock
Martin, Nia, 1B	Minter, Marlin P. J., 4E	.....
Martin, Ruby, 2B	..... Sulphur Springs	
Martin, Travis C., 2B	Mise, Lewis Melvin, 1E	Plainview
Mason, Marguerite E., 2G	Mitcham, James Troy, 4E	Dallas
Mason, Robert L., 2E	Mitchell, Audra L., 2A	Winters
Mast, Clarence S., 1S	Mitchell, Billie, 3A	Snyder
Masterson, Tom, Jr., 1A	Mitchell, C. E., 4E	Slaton
Matejowsky, Mrs. Florence M., 3G	Mitchell, John Milford, 3S	Winters
..... Caldwell	Mitchell, Melvin Walter, 2A	Winters
Matejowsky, Harold H., 2E	Mitchell, Robert Carroll, 3A	Lockney
..... Chriesman	Monahan, Billy, 1S	McLean
Mathews, Evelyn, 1G	Money, Harvey, 1E	Greenville
Mathews, Virgil, 1B	Monroe, Carver, 2S	Silverton
Mathis, Chandler, 1B	Monteith, Juanita, 1B	Clayton, N. Mex.
Mathis, James, 1G	Montfort, Alice Elizabeth, 4A	.....
Mathis, Martha, 3G	..... Lubbock	
..... Lubbock	Montgomery, Clyde A., 2A	Littlefield



Montgomery, Doris Eloise, 2G .....	Nelson, Willena, 1H .....	Lubbock
..... Darrouzett	Neuhardt, Dorothy Ann, 3B .....	
Montgomery, D. W., 1E .....	..... Amarillo	
Montgomery, Grace, 2B .....	Neves, Madeline, 2B .....	Lubbock
Montgomery, John Edward, 3E .....	Newell, Elaine, 2G .....	Hereford
..... Amarillo	Newman, Homer, 3S .....	Meadow
Montgomery, Marietta, 2B .....	Newsom, Mrs. Eva May, 4H .....	Lubbock
Montgomery, Woodrow, 4G .....	Newsom, Maurine, 1G .....	Coleman
Moody, Joe, 4S .....	Newsom, Reva, 3G .....	Brownfield
Moore, Bessie Mae, 3Ed .....	Newsom, Lois, 2G .....	Floydada
Moore, Frances, 2G .....	Newton, Glen, 3E .....	Idalou
Moore, Lucille, 1S .....	Newton, John, 4E .....	Idalou
Moore, Jesse L., 2S .....	Newton, Virginia, 1B .....	Lubbock
Moore, Katherine, 2H .....	Nichols, George Rodney, 1B .....	Sudan
Moore, Kathryn Lee, 1B .....	Nichols, Martha Franres, 2G .....	Spur
Moore, Mildred, 2Ed .....	Nichols, Walker, 3G .....	San Angelo
Moore, Monta, 2G .....	Nichols, Wilmeth, 3B .....	San Angelo
Moore, Oleta, 3H .....	Nimmo, Jack, 2Ed .....	Henrietta
Moore, Wm. C., 1G .....	Nissley, Jean Davies, 4B .....	Lubbock
Moorhead, Durward, 2B .....	Nix, Ernestine, 1H .....	Lamesa
Moosberg, Oscar, 1S .....	Nix, Fred, 5A .....	Lubbock
Morgan, Carrell, 1G .....	Nixon, Walton, 4A .....	Waco
Morgan, J. T., 1S .....	Noah, Gladys Margaret, 2Ed .....	Wheeler
Morgan, Nora Lee, 2G .....	Noell, Virginia Ruth, 2G .....	Lubbock
Morris, Cecil, 2G .....	Nolen, Elouise, 2G .....	Big Spring
Morris, Frank James, 2G .....	Nordyke, Mozelle, 1E .....	Lubbock
Morris, G. B., 4G .....	Norrid, Katherine B., 1G .....	Silverton
Morris, Roy B., 1B .....	Norris, Jessie, 2G .....	Lamesa
Morris, Ruby Nell, 1G .....	Norris, Lee, Jr., 2E .....	Hamlin
Morrison, Madeline, 1Ed .....	Norris, Lorena Moselle, 1Ed .....	Slaton
Moseley, Henry Franklen, 1G .....	Norton, William Obie, 4A .....	Dallas
Mosley, Guy, 4G .....	Nowlin, Carl, 3A .....	Tahoka
Mosley, Lee Roy, 2B .....	Nowlin, Jack, 2B .....	Cleburne
Mouser, Thelma, 1H .....	Nunnally, Aline, 1Ed .....	O'Donnell
Moxley, J. Mason, 4G .....	Nunnally, C. C., 2A .....	O'Donnell
Mueller, Lester, 1E .....	Nystel, Garland A., 3E .....	Abernathy
Mulkey, Oliver C. Jr., 5Ed .....	Nystel, Brooksy Spurlock, 3G .....	Abernathy
Mullinax, Turney, 1E .....	Nystel, Merril E., 2H .....	Abernathy
Mullins, Doris Keith, 4G .....		
Mullins, Johnnie Lucille, 2B .....		
Murray, Billie, 4A .....		
Murray, Ethyl, 3E .....		
Murray, Jane Elizabeth, 1Ed .....		
..... Hobbs, N. Mex.		
Murrell, James Henry, 1S .....	O'Daniel, Frances, 1G .....	Tulia
Myers, E. G., 1E .....	O'Dell, Jewell Taylor, 1Ed .....	
Nabers, Dorothy, 1G .....	..... Van Alstyne	
	O'Dell, Lou, 2G .....	Lubbock
Nail, J. H., 2G .....	Odom, Faye Ouida, 1G .....	Crosbyton
Nall, Kline Allen, 1Ed .....	Odom, Lorena, 3G .....	Lubbock
Nall, Mary Ruth, 2G .....	Oglesby, Inez, 1S .....	Lubbock
Neal, Beauford C., 1Ed .....	Oliver, Mrs. S. J., 4G .....	Lubbock
Neal, Carl Carter, 1S .....	O'Neal, Eva Mae, 1Ed .....	Lubbock
Neal, Mrs. Mamie I., 4G .....	O'Neal, Sim, 2A .....	Lubbock
Neal, Mary Katherine, 1G .....	O'Neill, Townsend Roderick, 5S .....	Lubbock
..... Garden City	O'Neill, William W., 2B .....	Electra
Neelley, Cecil Bruce, 1E .....	Onstatt, Kendall, 2E .....	Plainview
Neeper, Ruth, 2G .....	Ooley, Roy, 2E .....	Plainview
Neeper, Stella, 4Ed .....	Opp, Nellene, 1Ed .....	Menard
Neighbors, Thomas Frederick, 1G .....	O'Rear, Jacque, 1S .....	Lorenzo
..... Dallas	O'Rear, Jerome Maurice, 2S .....	Lorenzo
Neill, Billy, 4E .....	Orr, Mark, 3S .....	Idalou
Neill, Jim H., 1Ed .....	Orr, Rogers, 3Ed .....	Hereford
Neill, William E., 2B .....	Orr, Rollin Samuel, 1G .....	Hereford
Nelle, William Haden, 5G .....	Ortiz, James, 2Ed .....	Lubbock
..... Fayetteville, Ark.	Osborne, Harold, 4A .....	Miami
Nelson, Boyce M., 2S .....	Overstreet, Audrey, 2E .....	Lubbock
Nelson, Lomer, 4G .....	Owen, Elizabeth, 3H .....	Lubbock
	Owen, Truett Leon, 3B .....	Sherman
	Owens, Alton Lee Roy, 4A .....	Littlefield
	Owens, Floyd Russel, 1A .....	Littlefield

Owens, Lorena Leslie, 2G	Lubbock	Phipps, Hazel Lenora, 3H	Lubbock
Oxford, John Barton, 1G	Lubbock	Phipps, Jack, 1E	Lubbock
Pace, Joye, 2H	Littlefield	Pickett, Agnes, 1H	Post
Padley, Grace, 5Ed	Lubbock	Pickett, Mary Margaret, 1B	Lubbock
Page, Jack T., 3E	Fort Worth	Pickle, Mary Evelyn, 1G	Lubbock
Palmer, Eugene Franklin, 2E	Atlas, Okla.	Pierce, Cecil, 1A	Jonesboro
Palmer, Gladys Louise, 4H	Abilene	Pierce, Clyde, 1E	Childress
Palmer, Morris Nail, 3E	Albany	Pierce, John Ross, 1E	Lubbock
Pancake, Mikie, 4G	Lubbock	Pinkston, James Turner, 2E	Slaton
Parish, Lillian, 3G	Big Lake	Pirtle, Beryl Carter, 2E	Lubbock
Parker, Ninetta, 5Ed	Lubbock	Pitts, Mrs. E. L., 4Ed	Lubbock
Parker, Norman Chester, 1A	Brownfield	Pitts, Jewel, 1B	Tahoka
Parker, R. Escar, 2A	Roby	Pitts, Lois Marie, 3G	Lubbock
Parker, Weldon, 2B	Garden City	Plageman, Billie, 1S	Shiner
Parkhill, Jack B., 1G	College Station	Plemons, Clyde H., 2G	Lubbock
Parris, Ursula, 4H	Wilson	Plemons, Elmore Sims, 5B	Matador
Parsons, Dempsey Roy, 1E	Lubbock	Plowman, Olga Ferol, 4H	Baird
Parsons, Cecile, 2B	Amarillo	Polk, Neta Edith, 2H	Littlefield
Parsons, Don, 1S	Snyder	Pollard, Hazel, 1G	Snyder
Parsons, L. E., 4E	Sylvester	Pool, Anna Bell, 1Ed	Petersburg
Patterson, Richard, 1B	Dalhart	Pool, Juanita, 5G	Lubbock
Pattillo, Paul Walter, 2Ed	Lubbock	Pool, Phyllis, 4G	Lubbock
Patty, William Elwood, 2E	Lubbock	Poole, William G., 2S	Dallas
Paulger, Claude William, 1B	Lubbock	Pope, Bernard, 1E	Lockney
Paulsel, Lois, 2G	Alice	Popejoy, Ruby Jo, 3G	Lubbock
Payne, Avery, 1G	Slaton	Porter, Clifford, 1A	Albuquerque, N. Mex.
Payne, Beatrice, 4S	Slaton	Porter, Helen Pearl, 2Ed	Dickens
Payne, James Benton, 2E	O'Donnell	Porter, Kathryn, 1G	Jayton
Payne, J. R. Jr., 1A	Sweetwater	Porterfield, W. L., 2G	Becton
Payne, Oran, 2E	Dickens	Poteet, Sybil, 3G	Ralls
Payne, Ruth Marie, 1B	Lubbock	Potter, Ione, 1G	White Deer
Pearce, Richard, 3E	Whitesboro	Potter, Nora, 1Ed	Hurlwood
Pederson, Oscar, 4B	Clifton	Potts, Bill, 2E	Lubbock
Peek, Argo, 1E	Lubbock	Potts, Wayland, 4A	Lubbock
Pegues, Benjamin B., 1E	Lubbock	Pounds, Aubrey, 1A	Lubbock
Pendleton, Elsie, 1H	Wilson	Pounds, E. C., 1E	Lubbock
Pendleton, Robert L., 1G	Stratford	Powell, Frances Dicy, 3H	Santa Anna
Pendleton, Walter Mahan, 3G	Stratford	Powell, Josephine Frances, 2G	Lubbock
Penney, Earl Barrett, 2B	Lubbock	Powell, Nell Marie, 2G	Post
Penney, William, 1S	Lubbock	Powell, Wilson Woodrow, 1S	Kirkland
Periman, Vera, 4H	Snyder	Power, Bill D., 2B	Spur
Perkins, Myra Ann, 4G	Lubbock	Power, Margery, 2H	Plainview
Perrin, Dick, 4A	Lubbock	Power, Marguerite, 1Ed	Lubbock
Perry, Delmus L., 1B	Snyder	Power, Mrs. Mary, 2Ed	Lubbock
Perry, Edgar, 3A	Lubbock	Powers, Joe Bailey, 4Ed	Lubbock
Perry, Frances Evelyn, 2H	Kopperl	Powers, Woodrow, 2G	Lubbock
Peters, Loftin, 2B	Merkel	Pratas, Dimitry, 1B	Breckenridge
Peterson, Vaughn, 2Ed	Lubbock	Prater, Syble, 1G	Tahoka
Peterson, William Elmer, 1G	Lamesa	Pratt, William, 1G	Midland
Pfarr, Clark, 1S	White Deer	Pratt, Florence Ruth, 2B	Midland
Pfarr, Louise, 4G	White Deer	Prescott, J. D., 1E	Lubbock
Phegley, Oma, 2G	Levelland	Preston, Howard Grady, 4A	Sudan
Philbrick, George, 1A	Dallas	Preston, Jessie Gaye, 2G	Dublin
Phillips, Billy Ross, 2B	Hereford	Prewitt, J. B., 2B	Ralls
Phillips, Clifford, 2B	Petersburg	Pribble, Foy, 3A	Hamlin
Phillips, Francis, 2G	Ardmore, Okla.	Price, Frances Elaine, 1G	Colorado
Phillips, Harris, 3S	Wellington	Price, Harlan B., 4A	Lingleville
Phillips, James Delbert, 2Ed	Iowa Park	Price, Howard A., 2A	Lubbock
Phillips, Mrs. Neoma, 4G	Childress	Price, Paton, 3G	Lubbock
Phillips, Pauline LaVerne, 2G	Lubbock	Price, Troy McDonald, 1S	Lubbock
Phillips, Raymond, 4S	Thalia	Price, Yancy, 4G	Lubbock
Phillips, Thomas V., 4G	Childress	Prichard, Arthur, 5A	Lubbock
		Priddy, Mrs. Laurance, 4G	Lubbock
		Priddy, Laurance, 4G	Lubbock
		Prideaux, Vondelle, 1G	Lubbock

Priest, Benjamin, 3E	Rusk	Rice, Nannie Beth, 1Ed	Jayton
Prim, John Norman, 2B		Richard, Burnett, 1S	Paducah
	Vanderwoort, Ark.	Richards, F. H., 2G	Dalhart
Prince, Elizabeth Ann, 2G	Gilmer	Richards, Ima Dora, 1H	Lubbock
Pritchard, Evans Roberts, 1G		Richards, William Edward, 1E	
	Walnut Springs		Dalhart
Probasco, Denzil, 4E	Floydada	Richardson, James Joseph, 1S	
Protho, Jack, 1E	Midland		Fort Worth
Pruitt, W. F. Jr., 1B	Idalou	Richardson, J. W., 2E	Robert Lee
Pryor, Gladys, 3Ed	Lubbock	Richardson, Leona, 1H	Olney
Puckett, Brode, 1A	Post	Richie, Alma, 2A	
Puett, Anna Mae, 1B	Wheeler		Chatham Parish, La.
Pullen, Parm, 1S	Lubbock	Richter Hugo, 2E	Abernathy
Pulley, Lois, 2B	Cisco	Rickels, Frankie, 2H	Lubbock
Pundt, J. Halley, 3E	Canadian	Ricks, Miss Bob, 2S	Amarillo
Purtell, Kenneth, 1A	Brownfield	Riddel, Ralph, 1A	Lubbock
Putnam, Edwin Claude, 1E	Jacksboro	Riddel, Roy Jr., 3S	Lubbock
Pyeatte, Johnnie Verle, 4B	Lubbock	Riggins, Leota, 1H	Groom
		Rigler, A. B., 3A	Plainview
Quinlan, Jack, 2E	Lubbock	Riley, Alfred Marr, 3G	Fort Worth
		Riley, John, 1A	Lubbock
Rader, Robert Miller, 3E		Ritchey, Lewis, 1E	Petersburg
	Appalachia, Va.	Roach, Cecil Chester, 1B	Rotan
Ragland, John Rufus, 2E	Clarendon	Roach, Harriette, 5G	Lubbock
Ragsdale, Robert Lee, 2E	Childress	Roach, Laverne Dorothy, 1H	Rotan
Raey, Truman Perry, 1A	Hamlin	Roach, Samuel, 1E	Eliasville
Rampy, Woodrow, 3B	Lubbock	Roberts, Mrs. Claude, 5Ed	Lubbock
Ramsey, Herschel, 1B	Chillicothe	Roberts, Frank, 3B	Perryton
Ramsey, Vernah Mae, 1H	Wink	Roberts, Henry Alfred, 3S	Lubbock
Randle, Vione, 1H	Lamesa	Roberts, Jewell, 1H	Lubbock
Randolph, Nelda, 2H	Lamesa	Roberts, Jimmie, 4G	Lubbock
Randolph, Paul, 1B	Lubbock	Roberts, Julia Grace, 2H	Lubbock
Raney, L. G. Jr., 1G	Childress	Roberts, Mamie, 1Ed	Garden City
Rankin, Mrs. Lattie, 3G	Lubbock	Roberts, Rector Preston, 5S	Dallas
Rankin, Mrs. Madie W., 4Ed	Cone	Roberts, Stiles M., 5E	Lubbock
Rankin, Murvel, 4G	Lubbock	Roberts, Newma Mae, 1B	Lubbock
Rannefeld, Clarence, 1E	Roscoe	Robertson, Florence, 4S	Lubbock
Ranton, Flora Nell, 1H	Southland	Roberson, Mary Lou, 3Ed	Hereford
Rash, Travis, 1B	Aspermont	Robinson, Mary, 2Ed	Lubbock
Ratliff, Charlotte, 2G	Lubbock	Robinson, Roy Orban, 2E	Lubbock
Ratliff, Corene, 5Ed	Lubbock	Rochelle, Winton, 1E	Amherst
Ratliff, Eloise, 1H	Lubbock	Rockey, Glenn, 1G	Muleshoe
Rawlings, Eldon, 1G	Lubbock	Rodgers, Thompson Deane, 1B	
Rawson, Rosine, 2Ed	Ropesville		Lubbock
Ray, A. D. Jr., 2Ed	Cleburne	Roe, Gertie Elizabeth, 4S	
Raybon, Evelyn, 1E	Lubbock		Weatherford
Raybon, Roberta, 2H	Lubbock	Roebuck, Owen, 1E	Olton
Rayburn, John C., 4G		Rogers, Hildron, 4S	Lubbock
Raymond, Floyd, 2E	Overton	Rogers, Jesse Armstead, 5S	Houston
Read, Robert Lee, 2G	Silsbee	Rogers, Paul Black, 1S	Houston
Reaves, Ponice, 2S	Lubbock	Rogers, Mrs. T. A., 5G	Lubbock
Reddell, Leona, 1G	Plainview	Rogers, Willie, 3A	Lubbock
Redmon, Edward, 4E	Marshall	Rohrer, Helen, 1H	Springtown
Reed, James Clarence, 1E	Hedley	Rohrer, Vern, 4A	Springtown
Reed, James Howard, 4G	Lubbock	Rollins, Ida Lee, 3G	Littlefield
Reed, Pauline, 2G	Cone	Rollins, Mildred, 1G	Littlefield
Reed, Sumner, 1B	Lubbock	Rollo, Kenneth, 3S	Lubbock
Reed, Mrs. Virginia T., 2G	Lamesa	Roney, Bob, 1S	Amarillo
Reese, Maxine, 2G	Lubbock	Rose, Glenn, 2E	Roaring Springs
Reeves, Mrs. Leolo, 5Ed	Lubbock	Rose, Inez, 1B	Lubbock
Reeves, Winston, 3E	Plainview	Rose, Jessie Mae, 4H	Ropesville
Reid, J. W., 5Ed	Lubbock	Rose, Katherine, 4H	Lubbock
Reinken, Elsie Janis, 2E	Plainview	Rose, Luceil, 3H	Lubbock
Renfro, Charles, 1S	Amarillo	Rosenquest, Annie Laurie, 3B	
Repass, Mary Lee, 4H	Graham		Eastland
Reynolds, Leo Leonard, 2E	Quanah	Ross, Samette Elizabeth, 3B	
Reynolds, Presley, 1G	Baird		Plainview
Rhodenbaugh, Sunny, 1G	Plainview	Royalty, Catherine, 3G	Lubbock

Royalty, Marion, 4E	Lubbock	Shamburger, Roy Thomas, 4E	Fort Worth
Roye, Doyle, 1G	Gordon	Shanks, Dave, 1G	Perryton
Rule, Herbert, 2E	Lamesa	Shannon, Mary Lucy, 4G	Levelland
Rupprecht, Margaret, 1H	Perryton	Sharp, L. G., 1S	Artesia, N. Mex.
Rushing, Barnie Elmer, Jr., 1B	Plainview	Shaver, John Wesley, 2G	Lubbock
Rushing, Cecil, 3E	Plainview	Shaver, Mrs. LaVera, 3Ed	Lubbock
Rushing, Dorothy, 5G	Lubbock	Shaw, Reginald Arthur, 1S	Olton
Russ, Mrs. Kate, 5Ed	Lubbock	Shearer, G. C., 1A	Tulia
Russett, E. J., 1B	Lubbock	Sheats, Kathryn Josephine, 3H	Matador
Russell, Mable, 1Ed	Levelland	Sheehan, James Evans, 2E	Lubbock
Russell, W. C. Jr., 1B	Paris	Shelburne, Delma, 1E	Hamlin
Rutledge, David, 3G	Fort Worth	Shelton, Frances, 1E	Crane
Rutledge, Frank, 1B	Wink	Shipman, Ernest, 1A	Quemado
Rutledge, Ruth, 4G	Floydada	Shipman, Lawrence, 4A	Quemado
Rylander, Dorothy, 5G	Lubbock	Shipp, Lorraine, 1G	Ft. Sumner, N. Mex.
Rylander, Ruth Mildred, 5G	Lubbock	Shipp, Susie, 3Ed	Lubbock
Sadler, Elton Bayard, 1A	Vigo Park	Short, Nina Ruth, 2G	Lubbock
Salser, Allene, 2Ed	Lamesa	Shultz, Billie, 2G	Lubbock
Salyars, Alldridge Wendell, 1G	Dalhart	Shultz, Lou Ann, 2G	Lubbock
Samson, Gertrude, 4H	Post	Sides, Georgia Katherine, 1G	Dalhart
Samson, James, 1E	Post	Sides, Lawrence H., 1A	Lubbock
Sanders, A. C., 4S	Lubbock	Simmons, Eleanor, 5G	Lubbock
Sanders, Chas. Aaron, 1A	Big Lake	Simmons, Edward, 1B	Lubbock
Sanders, Cladys, 4H	Sweetwater	Simmons, Frances Louise, 2H	Lubbock
Sanders, Gordon, 1B	Lubbock	Simpson, Ray, 2B	McKinney
Sanderson, John R., 3G	Itasca	Simpson, Willard Raymond, 1B	Flagstaff, N. Mex.
Sartain, Claudia, 1G	Seagraves	Sims, Archie, 2G	Groesbeck
Sasse, Vivian Frances, 1Ed	Clovis, N. Mex.	Sims, Helen, 2G	Chillicothe
Sasser, W. L., 2E	Bonham	Sims, Virginia, 3H	Lubbock
Sawyer, Fern, 1H	Cross Roads, N. Mex.	Sisk, Melvin O., 2G	Slaton
Schantz, Leonard Gerald, 1S	Lubbock	Skelton, Sally Mae, 1G	Hereford
Schantz, Cladys, 1G	Lubbock	Skinner, George, 2E	Lubbock
Scharnberg, Curtis Randolph, 1A	Lubbock	Slaton, Oscar, 1B	Lubbock
Schofield, Arnold, 4S	Lubbock	Slaughter, Mary Ellen, 1G	Sudan
Schofield, William, 2B	Lubbock	Sloan, Evelyn, 3G	Crowell
Schultz, George Harold, 1B	Dayton	Slough, Julia, 3G	Wellington
Schultz, Howard, 4E	Eden	Smallin, Cleta Belle, 1H	Petersburg
Schultz, Milton, 1S	Eden	Smiley, Bessie Mae, 3Ed	Roaring Springs
Schumpert, Melvin Curtis, 4B	Portales, N. Mex.	Smiley, Willie Louise, 2Ed	Roaring Springs
Scoggin, Mrs. Carl, 2G	Lubbock	Smith, Annie Laurie, 1Ed	Waco
Scoggin, John Harvey, 2G	Lubbock	Smith, Billy, 1S	Odessa
Scoggin, Mack, 2B	Lubbock	Smith, Clyde Gary, 2B	Sweetwater
Scoggin, Jessie Merle, 4Ed	Lubbock	Smith, Don, 1G	Lubbock
Scott, Marjorie, 4B	Lubbock	Smith, Lemuel Edwin, 1B	Del Rio
Scott, Mary, 3G	Lubbock	Smith, Ellen, 2G	Ralls
Scott, Oceola, 2B	Claude	Smith, Eloise, 2G	Lubbock
Scott, Wendell, 2S	Plainview	Smith, Emma, 3G	Childress
Scudder, Crystelle, 2G	Slaton	Smith, Esther, 4H	Tahoka
Seale, Frank, 1A	Lorenzo	Smith, Eugene, 1G	Pecos
Seaman, Orland Russell, 4B	Mineral Wells	Smith, Georgia Mae, 3H	Crosbyton
Sears, Lorraine, 4S	Lubbock	Smith, Gertie, 1H	Elbert
Sealey, Rube, 3H	San Angelo	Smith, Grace, 2Ed	Tokio
Seitz, Beatrice, 1B	Cass, W. Va.	Smith, Harvey, 2B	Lubbock
Self, Adelaide Dorcas, 3G	Quitauque	Smith, Hazel, 1B	Big Spring
Self, Mary Frances, 4H	Crowell	Smith, J. H., 1E	Hamilton
Sellers, Wayne Chadwick, 1G	Rising Star	Smith, J. H., 3B	Big Spring
Senter, Ruth, 3H	Teague	Smith, Juanita, 1Ed	Ralls
Shadle, Hermona, 3G	Aspermont	Smith, J. L., 1E	Crane
Shahan, Everett Teary, 2E	Lipscomb	Smith, J. P., 4A	Littlefield
		Smith, Julian Fuller, 1E	Elgin

Smith, Louise, 1S	Hobbs, N. Mex.	Stark, Betty Faye, 1H	Seminole
Smith, Mark M., 3G	Cleburne	Stark, Florence, 3G	Lubbock
Smith, Martha Vernon, 1B	Fort Worth	Starnes, Beulah, 2Ed	Lubbock
Smith, Nathan, 2E	Pecos	Steele, Roberta, 4H	Levelland
Smith, Newton Charles, 2G	Amarillo	Steen, E. R., 5A	Lovington, N. Mex.
Smith, Orville, 4G	Lubbock	Stephens, Dorothy, 4H	Lubbock
Smith, Paul, 1B	Hamilton	Stevens, LaVerne, 2A	Littlefield
Smith, Sylvia Mae, 1G	Odessa	Stevens, Sarah Lou, 4Ed	Coleman
Smith, Wayne William, 1E	Lubbock	Stevenson, Glenn, 2S	Lockney
Smith, Wyleta, 1G	Roaring Springs	Stevenson, Wood Remson, 2S	Lockney
Smyth, Jot, Jr., 4A	Lubbock	Stewart, Frances, 3Ed	Lubbock
Sneed, Alton, 4S	Lubbock	Stewart, Iva Ruth, 1B	Grandview
Snell, Mary Irene, 2G	Lubbock	Stewart, John Holland, 1B	Lubbock
Snider, Jonnie Katherine, 1H	Lubbock	Stewart, Sara Sue, 2G	Lubbock
Snider, Margaret, 1H	Lubbock	Stiff, Lawson, 1G	Beaumont
Snodgrass, Hugh Thomas, 2G	Lubbock	Stiff, Ray, 2E	Beaumont
Snow, Vena Louise, 1G	Lubbock	Stiles, Aubrey Ashton, 1E	Lubbock
Snyder, Frances Sewell, 4B	Lubbock	Stiles, Lorraine, 1E	Floydada
Snyder, Fred, 1E	Lubbock	Still, Charles A., 2G	Fort Worth
Snyder, Morris, 2S	Moran	Stimson, J. L. Jr., 1E	Lubbock
Snyder, Ralph, 2G	Dalhart	Stine, Lulu, 5G	Lubbock
Sodd, Jacob, 2E	Fort Worth	Stinson, Kenneth, 1A	Paducah
Sollis, L. J., 3G	Sherman	Stobaugh, Gene, 1B	Lorenzo
Soper, Russell, 2E	Colorado	Stocking, Jerome, 2S	Plainview
Sorenson, Alvin, 1E	Clifton	Stokes, Laura Elizabeth, 2G	Bonham
Sowell, Kathryn, 4Ed	Lubbock	Stokes, W. T., 4S	Lubbock
Sowell, Wayman, 2E	Ralls	Stone, Hilary M., 5Ed	Haskell
Spacek, Clarence Lewis, 4A	Granger	Stone, Mary Leta, 2G	Abernathy
Sparks, Richard, 2A	Foard City	Stone, Robert Lee, 1G	Slaton
Spaulding, Evelyn, 2G	Dalhart	Stone, Roy, 5Ed	Lubbock
Spears, Glin, 2B	Lubbock	Stout, Malcolm, 1E	McLean
Spears, Lewis Manuel, 2Ed	Wilson	Stout, Pat Jesse, 1A	Stockdale
Spears, Loyd B., 1E	Fort Worth	Stout, Sid, 1G	Lubbock
Speck, Mrs. E. B., 5Ed	Lubbock	Stovall, Charlene, 1Ed	Lubbock
Spence, Mrs. Vada W., 4Ed	Lubbock	Stovall, Elizabeth Ann, 2E	Plainview
Spencer, Caroline, 1G	Lubbock	Stovall, Genell, 3G	Floydada
Spencer, Charles A., 3A	Athens	Strasner, Stevens Douglas, 2S	O'Donnell
Spencer, James, 4E	Athens	Strawn, Dora Lillian, 1H	Lamesa
Spencer, Marguerite, 1B	Cisco	Strawn, G. W., 1A	Eldorado
Spikes, Arphice, 1E	Lone Oak	Street, Betty Jo, 1G	Sweetwater
Spikes, Wilma, 5H	Rule	Street, Bill, 3G	Littlefield
Spraberry, Mrs. Jewell, 3G	Lubbock	Street, Margaret, 1B	Tye
Spraberry, R. F., 2G	Lubbock	Street, William Ezra, 4E	Lubbock
Spraggins, Lois, 2H	Sherman	Strickland, James Hassler, 1E	Lubbock
Spring, Paul, 1S	Friona	Strickland, Hayvis, 2H	Silverton
Spruiell, Euell Lehman, 3Ed	Iowa Park	Strickland, Robert Sedwick, 4E	Lubbock
Spuhler, Harold, 1B	Tucumcari, N. Mex.	Stricklin, Mike, 2S	Clarendon
Spykes, Weta, 4G	Hermleigh	Strickling, Jerry, 2B	McKinney
Stadig, Elizabeth, 2B	Palacios	St. Romain, Earl, 1E	Wink
Stafford, Donovan, 2S	Lubbock	Struve, Eugene, 2G	Hale Center
Stahler, Robert Frederick, 2S	Lubbock	Stryker, Roy Thomas, 2B	Lubbock
Staley, Alan Lee, 2A	Clayton, N. Mex.	Stubbs, Edith, 3G	Lubbock
Stalnaker, Margaret King, 4H	Lubbock	Stubbs, Wm. F., 4A	Alanreed
Stanard, Floy H., 2B	Pampa	Sturgeon, Gladys, 3G	Lubbock
Standefor, Mary Frances, 1H	Roscoe	Sturgeon, Oletha, 4G	Lubbock
Standhardt, Frank, 4E	Roswell, N. Mex.	Suddath, Edward Earl, 2S	Henrietta
Stanford, Mary Elizabeth, 2H	Hereford	Sudderth, Billie, 1H	Dallas
Stanger, LeRoy, 2B	Idaho Falls Idaho	Sullivan, Chestley, 3S	Temple
Stanphill, Vinson Carl, 3G	Denison	Sullivan, James, 1G	Wellington
Stanton, Billy, 5E	Lubbock	Sullivan, Stella Carolyn, 1Ed	Muleshoe
Stanton, Mary Emma, 1B	Lubbock	Sullivan, Verna Mae, 2H	Wolforth
		Sumner, Charles Hill, 1E	Lubbock
		Sumner, Sylvan, 3Ed	Lubbock
		Surratt, David, 2S	Clint
		Sutton, John A., 1G	Lubbock



Swann, Lloyd, 2B	Wilson	Tilson, M. D., 2 S	Plainview
Swanzy, William Robert, 5Ed	Idalou	Tiner, Mrs. Beatrice, 4Ed	Lubbock
Sweatt, Carolyn Diane, 2G		Tinsley, Jane, 2B	Lubbock
	Malaga, N. Mex.	Tittle, Lola Mae, 3B	Brownfield
Sweatt, Edward, 1G, Malaga, N. Mex.		Toöin, Warren, 2G	Casper, Wyo.
Sweatt, Laverne Merle, 2G		Tolbert, Frances L., 3G	Lubbock
	Malaga, N. Mex.	Tolbert, Hunter, 2G	Lubbock
Sweet, Edwin Leo, 3G	Blackwell	Toler, Mary Louise, 1G	Longview
Swepston, Mary Anne, 2Ed	Floydada	Toliver, Bill, 1A	Pecos
Symes, Clinton Albert, 2B	Lubbock	Tollett, Marvin, 2B	Rogers, N. Mex.
Symes, Baker, 1E	Waco	Toothaker, James C., 4B	
			Santa Fe, N. Mex.
Taack, Ben, 1E	Lockney	Torian, Thomas, 1S	Goliad
Taggart, Palmer, 1E	Rotan	Touchtone, Lorene, 4G	Teague
Talbert, Hilda Ingram, 2G	Paducah	Towery, Jack, 1E	Plainview
Tarrance, Lucille, 1H	Lubbock	Townes, Charles, 2G	Tahoka
Tarrance, Russell James, 1B	Lubbock	Townsend, Doris, 2H	Lubbock
Tate, Garvin, 3S	Sherman	Townsend, George, 4A	Lubbock
Tate, Vera May, 4G	Lubbock	Townsend, Mark, 3E	Lubbock
Tatom, Doris Delle, 1G	Lubbock	Tracy, Robert, 4G	Houston
Tatom, L. C., 2S	Lubbock	Travis, Mrs. Anseth, 1G	Lubbock
Tatum, Mirian Lawson, 2H	Lubbock	Travis, Oliver Jr., 1E	Lubbock
Taylor, Floyce, 2H	Ferriday, La.	Traweek, Howard, 4G	Matador
Taylor, Haskell, 3B	Girard	Traylor, Pearl, 5Ed	Lubbock
Taylor, Hugh M., 1S	Snyder	Treadwell, Faye, 2G	Lubbock
Taylor, Larry, 4E	Lubbock	Treadwell, Linda, 1G	Menard
Taylor, Merle Loraine, 2G	Eastland	Trenary, Larry, 2S	Pampa
Taylor, Thomas Nelson, 2S	Dallas	Tribble, Joseph Wm., 1E	White Deer
Teague, Sam, 2A	Plainview	Trigg, Mrs. J. T., 3Ed	Lubbock
Teague, Ted J., 1E	Lubbock	Trigg, Ross H., 2A	Wichita Falls
Temple, Paul, 3E	Temple	Trim, Leo C., 2E	Belen
Terrell, Cecil A., 2G	Lubbock	Triplitt, Rouble, 3G	Lubbock
Terrell, Ilowaine, 1H	Lubbock	Trotter, Hazel Lee, 2B	Lubbock
Terrell, Laverne, 1B	Lubbock	Trow, Mrs. Elsie K., 2Ed	Lubbock
Terry, James L., 1E	Spearman	True, Lorine, 1Ed	Plainview
Terry, Sidney, 1S	Spearman	True, Martin, 3E	Lockney
Thacker, Juanita, 1G	Roaring Springs	Truett, Charles B., 2S	Lubbock
Thomas, Ansell, 1B	Holliday	Truitt, Eugene, 1G	Lamesa
Thomas, Bobby, 1E	Lubbock	Truitt, Mitchell, 1A	Gainesville
Thomas, Carlton, 2B	Blum	Tubb, Clyde, 1B	Monahans
Thomas, Mrs. Charles, 3Ed	Lubbock	Tubbs, Billy Martin, 3S	Lubbock
Thomas, Florene, 1H	Ralls	Tubbs, Mildred, 1B	Lubbock
Thomas, George F., 2E	Lubbock	Tucker, Elise, 1G	Lubbock
Thomas, Hal, 1B	Brownwood	Tucker, James, 1B	Wink
Thomas, Mary, 2H	Lubbock	Tudor, Jerry, 1B	Matador
Thomas, Oliver, 2S	Kaufman	Tudor, Othal, 1E	Lubbock
Thomas, Skiles, 1G	Tahoka	Tumlinson, Edna, 1H	Lubbock
Thomas, Troy, 1E	Abernathy	Turn, Alonzo, 1Ed	San Angelo
Thomas, Twyla Faye, 1H	Spur	Turner, Carl, 2G	Altus, Okla.
Thompson, Arrilla, 2H	Lubbock	Turner, Carrie Bell, 2B	Lubbock
Thompson, Arthur, 2B	Hereford	Turner, Evelyn, 2E	Borger
Thompson, Ben Vernon, 3E	Lubbock	Turner, Frank, 1G	Lubbock
Thompson, Carroll, 4Ed	Lubbock	Turner, Geraldine, 4G	Lubbock
Thompson, Claude J., 3S	Lubbock	Turner, Vernon, 1B	Idalou
Thompson, Clay Edward, 3G	Lubbock	Tynes, Rex, 2E	Hereford
Thompson, Clyde, 2B	Lubbock	Tyskiewicz, Clement, 1S	Lubbock
Thompson, Dee, 1E	Fort Worth		
Thompson, Edward, 1S	Lubbock	Ullrich, Anton, 4E	Waco
Thompson, George W., 1E	Foard City	Underwood, Laura Belle, 1B	
Thompson, Royce L., 5G	Amarillo		Big Spring
Thompson, Vernon, 1S	Lubbock	Underwood, Sam, 2A	Denton
Thornton, Glenn, 3G	Tyler	Upshaw, Raleigh, 1E	Silsbee
Thornton, Herman, 1G	Lockney	Upshaw, Tom A., 1B	Stamford
Thornton, Iris, 1H	Farwell		
Thornton, Owen, 1E	Lockney	Vandagriff, Dorothy, 4G	Lubbock
Threadgill, Dave, 1A	Lubbock	Vanderford, Chrystel, 3G	Shield
Thurman, Josephine, 5G	Cisco	Vannoy, Doyle, 5B	Lubbock
Tidwell, Eufa, 2S	Seymour	Vardeman, Marie, 2H	
Tilger, Orville Lee, 3B	Meadow		Richland Springs

Vardy, DeWeitt, 1S	Estelline	Watson, Opal, 2G	Kirkland
Varnell, Robert, 2B	Barry	Watson, Pearl, 5Ed	Lubbock
Varnier, James N., 2G	Lubbock	Watson, Ross, 4E	Mineral Wells
Vaughn, Edward D., 3S	Lubbock	Watson, Tracy G., Jr., 2B	Mart
Vaughn, Maurene, 1H	Amarillo	Watts, Willie C., 5Ed	Lubbock
Vaughn, Voyle, 3G	Lubbock	Weatherby, Lucille, 1B	Miles
Vernon, Jewel, 1G	Bellevue	Weatherford, Helen, 1H	Lubbock
Vernon, John, 1B	Fort Worth	Weatherford, Margaret, 1B	Dallas
Vickery, Woodrow, 1G	McKinney	Weathers, Mary Jane, 1G	Tahoka
Vowell, Jim, 4E	Dalhart	Weaver, Lem, 4A	Jonesboro
Wages, Angus, 2G	Lubbock	Weaver, William Don, 1B	Sweetwater
Waggoner, Woodrow, 4E	Ranger	Weaver, Woodroe, 1A	Levelland
Wagner, Charlie M., 4S	Amherst	Webb, Holmes A., 5G	Ackerly
Wagner, Charles Lang, 1B	Amarillo	Webb, Louise, 4G	Greenville
Walker, Andrew, 1G	Pampa	Webb, Lowell, 2B	Midland
Walker, Burnice, 2G	Littlefield	Webster, Rex, 1G	Lubbock
Walker, Dick, 2B	Fort Worth	Weddle, Charles, 4A	Bonham
Walker, Dorothy, 1Ed	Eastland	Weddle, Lora Lee, 2G	Bonham
Walker, Felix, 1B	Lubbock	Wehrman, Frederick Q., 1E	Premont
Walker, James Earl, 2E	Lubbock	Weimhold, Forrest H., 3G	Sudan
Walker, Jean, 2G	Eastland	Weimhold, Frances, 4H	Sudan
Walker, Katie, 4B	Conroe	Weiss, Ed, 3E	Plainview
Walker, McClellan, 1G	Lexington	Welch, Billy Joe, 3G	Floydada
Walker, Margaret, 1G	Lubbock	Welch, Mark Lane, 2S	Lubbock
Walker, Nell, 1G	Memphis	Welch, Nelson, 1B	Friona
Walker, Robert J., 2G	Kerens	Wellhausen, Fred, 1G	Ballinger
Walker, Wilson, 1Ed	Granger	Wells, Mrs. B. C., 4Ed	Lubbock
Walling, Foy, 1E	Palestine	Wells, George Claude, 1A	Tahoka
Walser, Mrs. Nell, 2H	Chillicothe	Wells, John, 1G	White Deer
Walter, Frances, 2G	Lubbock	Welsh, L. D., 1B	Lubbock
Walter, John Arnold, 4G	Lubbock	West, J. W., 2B	Memphis
Walters, Edna, 1G	Tahoka	Wester, Houston, 2B	Plainview
Walters, Ernestine, 1B	Wink	Wester, Mrs. J. K., 2Ed	Lubbock
Walters, John, 1S	San Angelo	Westmoreland, Travis, 1B	Paducah
Walton, Mrs. Mary, 3Ed	Lubbock	Wetsel, Margaret, 2G	Tahoka
Ward, Dycie E., 3B	Roscoe	Wheat, Joe Ben, 1G	Van Horn
Ward, Jessie Lee, 1G	Lubbock	Wheeler, Lucille, 2G	Tahoka
Ward, Winnelle, 4H	Lubbock	Wheeler, Eugene, 1S	Mart
Ware, Leonard, 1G	Nolan	Wherry, Mrs. Edith, 3G	Lawton, Okla.
Ware, Mrs. M. E., 2G	San Angelo	Whitaker, Naomi, 4B	Littlefield
Ware, Ronald, 1E	Seagraves	White, Charles, 3A	Lubbock
Ware, Winnie Lois, 2H	Nolan	White, Forrest Allen, 3S	Cleburne
Warren, Alton B., 3G	Separ, N. Mex.	White, Gus F., 4B	Borger
Warren, Mrs. Geta, 2G	Lubbock	White, Jane, 2H	Hamilton
Warren, Marie, 1B	View	White, Lula Mae, 2G	Lubbock
Warren, Nona Ewing, 1G	Vernon	White, Lyndelle, 1G	Hale Center
Warren, Paul, 1E	Big Spring	White, Henry Paul, 1G	Hamlin
Washburn, Walter, 1E	Cleburne	Whitefield, Weldon, 2G	Friona
Wasson, Thora, 2H	Pampa	Whitlock, Edith, 3Ed	Lubbock
Watkins, Alton, 1Ed	Kirkland	Whiteside, Dan J., 1G	Littlefield
Watkins, Annie Louise, 1H	Santa Anna	Whiteside, Roy, 1E	Seymour
Watkins, Arthur, 2B	Petersburg	Whitesides, William, 3E	Chicot
Watkins, Donley E., 4S	Meadow	Whitfill, Ben, 2B	Lockney
Watkins, Eugene, 5E	Santa Anna	Whitis, T. S., 3E	Lubbock
Watkins, Orville, 3Ed	Meadow	Whitworth, Carolyn, 2B	Lubbock
Watkins, Winston, 2G	Meadow	Wicker, Geraldine, 3G	Slaton
Watson, Betty Ross, 1B	Lubbock	Wicks, Billy, 1G	Ralls
Watson, Cecil, 2E	Plainview	Widener, Dale, 1A	Memphis
Watson, Chaney, 4E	Grand Saline	Wigington, Maurice, 1B	Stratford
Watson, Darthula E., 1H	Lamesa	Wiginton, Saul D., Jr., 2B	Chillicothe
Watson, Dimple, 3Ed	Lubbock	Wignall, Gene, 1E	Graham
Watson, H. A., Jr., 1B	Lubbock	Wilbanks, Fred C., 3A	Lubbock
Watson, Henry B., 1S	Bridgetown	Wiley, Irene, 1G	Graham
Watson, Lois, 3G	Lubbock	Wiley, J. Jefferson, 2B	Lubbock
Watson, Martha E., 2H	Friona	Wilhelm, Mrs. D. J., 3Ed	Lubbock
Watson, Marym, 1G	Lubbock	Wilhelm, Paul H., 3S	Lamesa
Watson, Melba, 4G	Lubbock	Wilkes, Floyd, 4A	Floydada
		Wilkins, Paul Eugene, 4A	Lubbock
		Wilkinson, Russell, 2G	Lubbock



Will, Virginia, 1G	Snyder	Withers, Gertrude, 4G	Sweetwater
Willard, Aubrey L., 2E	Wellington	Witherspoon, Guy, 1G	Greenville
Williams, Aaron W., 1E	Floydada	Witt, Olene, 1G	Centerton, Ark.
Williams, Authala, 4S	Brownwood	Woffard, Kenneth, 1B	Lockney
Williams, Bert, 2B	Idalou	Wolfe, Mrs. Ada Louise, 5Ed	Lubbock
Williams, David, 1G	Carlsbad, N. Mex.	Wolfe, Cecil L., 3B	Spur
Williams, Everett, 3G	Roby	Wolfe, Jean, 2G	LeFors
Williams, Floyd, 2A	Hamilton	Wolffarth, Donal E., 2E	Lubbock
Williams, Fred, 4E	Woodsboro	Wolfskill, Marybelle, 2G	Slaton
Williams, Herbert S., 1G	Holland	Womack, Marie, 1H	Tahoka
Williams, James Dean, 2A		Womble, Harold, 1B	Spearman
	Mt. Pleasant	Wood, Murray, 3S	Colorado
Williams, Joye, 1B	San Angelo	Woodburn, Jimmie Jo, 1B	Claude
Williams, Luther, 4G	Lubbock	Woodham, Lillian, 1G	Odessa
Williams, M. J., 1A	Meadow	Woodruff, Jane, 3G	Lubbock
Williams, Mary Lou, 2Ed	Ralls	Woodruff, Robert, 2E	
Williams, Nancy Margarette, 2H			Santa Rose, N. Mex.
	Sylvester	Woods, Carl, 1B	Darrouzet
Williams, Paul, 1B	Fort Worth	Woods, Mrs. Fay S., 3Ed	Post
Williams, Percy, 1E	Lubbock	Woods, Lewis, 1B	Darrouzett
Williams, Reba Wayne, 2G	Lubbock	Woodward, Durward, 1E	Lubbock
Williams, Vernon, 2B	Wolfe City	Woodward, Horace, 3S	Shallowater
Williamson, Bonita, 1G	Lubbock	Woodward, Mary Lela, 2H	
Williamson, Harold, 1G			Santa Anna
	Muskogee, Okla.	Woodyard, Jack, 2E	Bryan
Williamson, Mildred, 2G	Wolfforth	Wooten, Dudley, 3B	McAdoo
Willingham, Amel, 2B	Tahoka	Wooten, J. Donald, 1G	McAdoo
Willingham, Mrs. C. H., 3Ed	Lubbock	Work, Robert, 2B	Crosbyton
Willingham, Joy Nadine, 1Ed	Sudan	Worthington, Phillip, 1G	Marathon
Willis, Bessie Jean, 2Ed	Wellington	Wren, Hodge, 2G	Snyder
Willis, Don, 1B	Olton	Wren, Lois, 1H	Littlefield
Willis, Floy Mae, 2G	Wellington	Wright, Helen, 1H	Graham
Willis, LaVerne, 1G	Wink	Wright, Louie, 1H	Lubbock
Willman, Kathleen, 3H	Muleshoe	Wright, Robert L., 1E	Amarillo
Wilmoth, Roy, 2B	Spearman	Wright, Welty, 1G	Shallowater
Wilson, A. M., 1B	Tulia	Wright, W. H., 1E	Graham
Wilson, Betsy, 2Ed	Lubbock	Wristen, Velma Fay, 3H	Lamesa
Wilson, Charles C., 2E	Tulia	Wulfmann, John, 4E	Lubbock
Wilson, C. N., Jr., 1E	Clovis, N. Mex.	Wyatt, Malcolm, 3S	Amarillo
Wilson, Edward, 2A	Lubbock		
Wilson, Henrietta, 3H	Lubbock	Yandell, Olen, 2E	O'Donnell
Wilson, J. B., 2B	Lubbock	Yeager, Pauline, 3H	Lubbock
Wilson, Mrs. Jimmie, 5Ed	Lubbock	Yeats, Lilac, 1G	Slaton
Wilson, John Hiner, 2G	Lubbock	Yonge, Cora Fox, 2G	Memphis
Wilson, Mary, 2H	Lubbock	York, Lee Francis, 4B	Snyder
Wilson, Norman, 1G	Lubbock	Young, Clarence, 4A	Ralls
Wilson, Theodore, 1G	Oklahoma City, Okla.	Young, Edith, 2G	Crane
		Young, Edith, 2G	
Wilson, Woodrow, 3B	Lubbock	Young, Julia Frances, 3G	Lubbock
Wilson, William Woodrow, 3A		Young, Leslie, 4S	Lubbock
	Lubbock	Young, Thomas, 4E	Lubbock
	Lubbock	Yowell, Shelby, 1B	Whitewright
Wimberly, G. B., 1B	Lubbock		
Wimberly, Russell, 3G	Lubbock	Zachary, Faye, 1G	Post
Winfrey, Edwyna, 1H	Ralls	Zarafonetis, George, 5B	Hillsboro
Winn, H. R., 3E	Commerce	Zerwer, A. L., 2E	Clovis, N. Mex.
Winston, Mac, 3G	Lubbock	Zerwer, Walter, 3E	Clovis, N. Mex.
Winston, Mattie Ruth, 1H	Waco	Zimmermann, Marie, 1B	Tulia
Winston, Mrs. Stella, 3H	Lubbock	Zirkle, William, 4A	Perryton
Wischkaemper, Erolene, 3G		Zorns, Bruce C., 4E	Meadow
	Shamrock	Zorns, Lelia May, 2G	Meadow
Wisdom, John Henry, 2B	Lubbock	Zorns, Tom, 4G	Meadow
Wiseman, Claude, 2S	Sudan	Zottarelle, June, 2G	Crosbyton

## SUMMER SESSION, 1934

Abel, B. M., CS	Mangum, Okla.	Baker, Mrs. Coleman, 5G	Spur
Abernathy, Agnes, 4H	Lubbock	Baker, Coleta Joy, 3G	Lubbock
Actkinson, L. R., 3G	Brownfield	Baker, Elva, 4A	Abilene
Adams, George, 1E	Brownwood	Baker, John Wesley, 2S	Peacock
Adams, John W., 5Ed	Grand Prairie	Baker, Leslie, 1G	Lubbock
Adams, Mrs. J. W., 5Ed	Meadow	Baker, Lillian Ruth, 1G	Lubbock
Adams, Mary Elizabeth, 5Ed	Lubbock	Baker, Thelma Lorine, 1H	Lubbock
Adams, Mozelle, 4Ed	Lubbock	Baldwin, Ben F., 3S	Wellington
Adams, William, 1S	Brownfield	Ball, Earline, 3G	Hobbs, N. Mex.
Adamson, Vera Nadine, 2Ed	Post	Ball, Gordon E., 2G	Cleburne
Adkisson, Alberta, 2Ed	Abernathy	Ball, John S., 5S	Lubbock
Agee, James C., 5Ed	Nocona	Ballenger, Felix, 5S	Lubbock
Agee, Mrs. James C., 1G	Nocona	Ballew, Brookie Lee, 4G	Lovington, N. Mex.
Agee, Parri Dee, 2H	Stamford		
Alexander, Alma, 4Ed	Lubbock	Bardwell, James Horace, 5Ed	Goree
Alford, Mrs. Icie Mae, 2Ed	Lingo, N. Mex.	Barger, Juanita Keith, 2Ed	Robert Lee
		Barham, Vida Ruth, 1H	Lubbock
Alford, Roscoe, 1Ed	Lingo, N. Mex.	Barkley, Mrs. Emma Erin, 5 S	Austin
Alger, Faye R., 3Ed	Seminole	Barnes, Homer E., 3Ed	Ralls
Allen, Aline, 1Ed	McAdoo	Barnett, Beulah, 3H	Quanah
Allen, Helen, 2H	Tahoka	Barnett, E. M., 5G	Lubbock
Allen, Inez, 4G	Lubbock	Barnett, Mary, 4H	El Paso
Allen, Mrs. R. K., 5G	Sanatorium	Barrington, Opal, 2Ed	Ralls
Allen, S. T., 2G	Knickerbocker	Barron, Mrs. Alice R., 3G	Lamesa
Allen, Mrs. S. T., 1G	Knickerbocker	Baron, Ethel, 2Ed	Lamesa
Allison, Billie, 3E	Rockwood	Barron, Mrs. John Elmer, 2Ed	Lamesa
Allison, Cora, 3Ed	Rockwood	Bartley, Mrs. Winnie, 2Ed	Tahoka
Allred, Eddie Maude, 1G	Chillicothe	Barton, Earnest F., 4A	Lubbock
Alverson, Allene, 4G	Whitewright	Barton, Raymond, 3G	Lubbock
Alverson, Mrs. C. F., 2S	Lubbock	Barton, Mrs. Ruth, 3Ed	Afton
Ammons, Mrs. Alvis, 1G	Roby	Baskin, K., 2B	Lubbock
Ammons, Johnnie, 2G	Roby	Baskin, Margaret, 5G	Lubbock
Ammons, Payton Alvis, 3G	Roby	Baskin, Mary L., 5Ed	Lubbock
Anderson, Blanche, 2Ed	Carbon	Bass, Felix, 2E	Lubbock
Anderson, Dixie, 3E	Lufkin	Bass, Laura Sue, 4Ed	Lubbock
Anderson, Fay, 4G	Mount Vernon	Bateman, Mrs. J. C., HS	Lubbock
Anderson, Louise, 3G	O'Donnell	Bates, William, 3E	Lubbock
Anderson, F. Margaret, 1H	Aspermont	Baucom, Mrs. O. N., 1Ed	Lubbock
Anderson, Mattie Lora, 2G	Loraine	Baum, Fannie, 2Ed	Cross Plains
Anderson, Velma, 4H	Aspermont	Baze, Winford, 1B	Robert Lee
Andrews, Lucille, 2G	Lubbock	Beach, Mrs. O. L., 2Ed	Plainview
Ansley, Mary, 4S	Lubbock	Beard, Stella, 4H	Lubbock
Anthony, S. G., 5Ed	Lipan	Bearden, Dell, 1G	Abernathy
Archer, H. E., 3B	Lubbock	Bearden, H. D., 5G	Lamesa
Armstrong, Charles L., 5Ed	Van	Bearden, James E., 1S	Abernathy
Armstrong, Edna, 1H	Lorenzo	Bearden, Naomi, 2G	Abernathy
Ashby, Letha, 4G	McLean	Beasley, Lida, 5Ed	Iowa Park
Atcheson, Ben, 2E	Lubbock	Beasley, Lorene, 2Ed	Iowa Park
Atchison, Horace, 1Ed	Haskell	Beaver, J. T., 2B	Lubbock
Ater, Ruby Lee, 2H	Lubbock	Beaver, Loe H., 4A	Fluvanna
Austin, D. T. Jr., 4E	Mt. Pleasant	Beaver, Matty Lynn, 3H	Fluvanna
Avent, Maggie, HS	Amarillo	Bell, Elaine, 2G	Lubbock
Aycock, Edward F., 3B	Midlothian	Bell, Margaret, 3Ed	Brownfield
Ayers, Cecil, 2A	Chillicothe	Bell, Mrs. Una M., 1G	Brownfield
Ayers, James L., 2E	Shallowater	Bell, Vernon, 2A	Brownfield
Ayers, Manuel, 2A	Shallowater	Benefield, Chet, CS	Tulsa, Okla.
Ayers, Ross, 4G	Lubbock	Benefield, Mrs. Pauline, 3Ed	Spur
		Benefield, S. L., 4G	Spur
Baggett, Mollie, 3G	Tehuacana	Bennett, Carmen, 2G	Lubbock
Bailey, Mrs. Acie, 1G	Lubbock	Bentley, Mrs. C. B., 3G	Lubbock
Bailey, Carl M., 4Ed	Estelline	Bentley, Connie B., 5A	Vernon
Bailey, Edward Lee, CS	Orangefield	Bentley, Homer, 3G	Shallowater
Bailey, Eleanor, 2Ed	Lubbock	Benton, Addie Brown, 2G	McKinney
Bailey, Justine, 1G	Trent	Benton, Evelyn, 1G	Lubbock
Bailey, Loretta, 1Ed	Big Spring	Beran, Alvina, 3H	Lubbock
Bailey, Oleta, 3Ed	Megargel	Bergholm, Mrs. Iris M., 3Ed	Lubbock
Bain, Vada, 3G	Meadow	Berry, Elizabeth, 2Ed	Kerens
Baker, Coleman C., 3B	Spur	Berry, Hazel, 1B	Lovington, N. Mex.

Berry, Mrs. John, 4Ed	Clyde	Brannan, B. J., 5G	Sanderson
Berry, Raymond, CS	Corpus Christi	Brashear, Jhonnie R., 2G	Idalou
Betts, Wilson T., 5Ed	Marlin	Brasuel, Fannie Sue, HS	Canyon
Biffle, Geraldine, 2G	Silverton	Bray, Mariam, 3G	Lubbock
Bigler, Mildred, 1G	Hale Center	Brechlet, J. P., 2G	New Orleans, La.
Biblio, Bessie Mae, 2Ed	San Angelo	Breeding, Minnie Lee, 4G	Moody
Bingham, Emma Dean, 1G	Aspermont	Brewer, Mary, 1 Ed	Lubbock
Bird, Mrs. C. M., 3Ed	Matador	Brewer, Vernon, 4G	Benjamin
Birdsong, Margarete J., 3 Ed		Brewster, Bryan, 3S	Seagraves
	Greenville	Brent, Nancy C., 5Ed	Amarillo
Birdwell, Doll, 5G	Seminole	Bristow, Jesse Ree, 4Ed	Stanton
Bishop, A. C., 2G	Whitharral	Brock, Edna, 2H	Brownfield
Bishop, Mrs. A. C., 3Ed	Whitharral	Brock, Jewell, 5Ed	Seminole
Biblo, Clara Mae, 2G	Ropesville	Brock, Omie, 2Ed	Seminole
Black, Harlan, 3A	Seagraves	Brock, Verdine, 2Ed	Seminole
Black, Ruth, 2G	Lubbock	Bromley, Mrs. J. J., 2G	Lubbock
Blackmon, Minnie D., 5Ed	El Paso	Broocke, Martha, 2Ed	Grosvenor
Blackstock, Lyman S., 3G	Brownfield	Brooks, Armilda, 3H	Levelland
Blackstock, Mamie Nell, 4G		Brooks, Samuel E., 5G	Levelland
	Brownfield	Brown, C. F., CS	Portales, N. Mex.
Blackwell, Lola Beth, 2Ed	Vernon	Brown, Jean, 2H	Rochester
Blair, Robert E., 5G	Brownwood	Brown, Jewel, 4H	Rochester
Blankinship, Opal Irene, 5Ed		Brown, Lud J., 2A	St. Jo
	Stephenville	Brown, Nellie Lee, 3H	Quitauque
Blankinship, T. Claude, 3A		Brown, Sena Marie, 2G	Petersburg
	Stephenville	Brown, Sue, 5G	Lubbock
Blanton, Ella Mae, HS	Ralls	Brown, Velma, 4H	Shallowater
Blassingame, Verla, 3G	Floydada	Brownd, Mattie, 1G	Lubbock
Bludworth, Lucille, 5G	Tahoka	Browning, Bruce, 2S	Whiteflat
Bobo, Estelle, 5G	Canton	Browning, Jesse, 1A	Fluvanna
Bodie, Bladys Linn, 3S	Big Spring	Browning, Laurie, 3Ed	Whiteflat
Boggs, Elvah, 4G	Waxahachie	Browning, Leslie, 1A	Fluvanna
Boggs, Edwin, 1B	Baileyboro	Browning, Richard C., 2E	Lubbock
Bolar, T. A., 5A	Bethany	Bryan, Mrs. J. Neucl, 4Ed	Lubbock
Bolding, Fanny, 5G	Floydada	Bryant, Martel, 5Ed	Lubbock
Boles, Mrs. Buell, 3Ed	Lubbock	Buck, Rolla, 3S	Tularosa, N. Mex.
Boles, Josephine, 4G	Gordon	Buie, Ruth, 2Ed	Crosbyton
Bolin, Billie Smith, 5Ed	Lamesa	Bumpass, Faye, 5G	Lubbock
Bolin, J. B., 5Ed	Lamesa	Burdine, Lois, 2H	Colorado
Bolton, Jewell, 3S	Crosbyton	Burford, Mrs. Mae O., 3Ed	Lubbock
Bond, F. Harvey, 3G	Plainview	Burford, Rosa Mae, 5G	Lubbock
Bond, Walter, 2S	Post	Burke, Oliver, 5G	Levelland
Bone, Ewell Owen, 5G	Haskell	Burke, Elizabeth, 1G	Dallas
Boone, Mildred L., 3Ed	Lubbock	Burkett, Charlie, 1E	Andrews
Boren, Pauline, 2G	Snyder	Burkhalter, Henry, 5S	Lubbock
Bostick, Arvella, 2Ed	Olton	Burleson, Mrs. J. M., 3G	Meadow
Boulter, Jessie, 5G	Las Cruces, N. Mex.	Burney, Alice, 3Ed	Lubbock
Bowerman, Aaron, 4Ed	Brownfield	Burns, Frances, 1G	Lubbock
Bowerman, Bessie, 2Ed	Brownfield	Burns, Nina B., 3Ed	Cumby
Bowers, Allene, 1H	Lorenzo	Burns, Mrs. Ruby, 3S	Martin
Bowie, Margarette, HS	El Paso	Burris, Charlie, CS	Rosenberg
Bowlin, Henry C., 3Ed	Lubbock	Burroughs, Amertius, 2S	Lubbock
Bowlin, Leona, 3Ed	Lubbock	Burton, J. G., 4S	Lubbock
Bowlin, Lucille, 4H	Lubbock	Burton, Mrs. W. B., 1H	McAdoo
Bowlin, Sallie, 3G	Eastland	Bussey, Novelle, 2G	Lubbock
Box, Grady, 4Ed	Shamrock	Butin, Leila, 4Ed	Ketchikan, Alaska
Box, Mrs. Sylvia, 2G	Crosbyton	Butler, Annie L., 3H	Lubbock
SUMMER SCHOOL 1934	2	Butler, Gladys, 5Ed	Lubbock
Boyd, Virginia, 1Ed	Idalou	Butler, Wanda, 3G	Lubbock
Boyd, Willie M., 2G	Chriesman	Butts, Aubrey O., 2B	Gallina, N. Mex.
Boyles, Reba Merle, HS	Chillicothe	Bynum, Weldon, CS	Point Rock
Bozeman, Bruce, 3E	Lubbock	Byrd, Ardath, 3G	Colorado
Bradbury, Violet, 3G	Snyder	Byrd, Harvey, 3G	Grosvenor
Bradford, Cecil, 1G	Lubbock	Byrd, Mabel, 3Ed	Grosvenor
Bradford, L. E., 3G	Ft. Worth	Byrd, Venetta, 1Ed	Colorado
Bradley, Winnie, 4G	Plainview		
Bradshaw, Grace, 3Ed	Cisco	Cade, Grace, 5G	Chandler
Brandon, Frances, 2Ed	Post	Cade, Van, 2G	Chandler
Brandon, M. C., 5A	Stephenville	Caldwell, Ann, 5G	Lubbock

Caldwell, Bedford, 1B	Farwell	Clinton, Mrs. James, 2Ed	Lubbock
Caldwell, Joe J., Jr., 2E	Abilene	Cobb, Mary Bynum, 1G	Lubbock
Caldwell, Linda, 2G	Lubbock	Coe, Doyle, CS	Goose Creek
Campbell, Ellen F., 5G	Painview	Coffer, Claude M., 3G	Amherst
Campbell, Frances, 2E	Lubbock	Coffman, Raymond, 3E	Cleburne
Campbell, Mary Louise, 5G	Lubbock	Coker, LaVerne, 1H	Athens
Campbell, Milton L., 5A	Milano	Cole, Frank, CS	Ropesville
Cannon, William F., 5Ed	Jermyn	Cole, Lena, 5G	El Paso
Cannon, Mrs. W. F., 1G	Jermyn	Cole, Mrs. Leonard, 2G	Lubbock
Cantrell, Ralph B., 4E	Mexia	Cole, Ruby, 3Ed	El Paso
Carmack, Lucille, 3G	Tahoka	Cole, Vada, 3H	Post
Carnes, J. C., 2B	Covington	Cole, Wylie Sue, 4Ed	Pecos
Carney, Ovia, 2Ed	Spur	Coleman, Myrtle, 2Ed	Lubbock
Carpenter, Deboe, 2B	Olney	Coleman, Winnie Lee, 2G	Martin
Carr, Eula Mae, 1G	Aspermont	Coles, J. E., 4A	Colorado
Carson, Verna L., 1G	Corpus Christi	Coles, Mrs. J. E., 2H	Loraine
Carter, Bessie, 2H	Darrouzett	Collie, Jamie B., 2S	Lubbock
Carter, Lee B., 2A	Darrouzett	Collier, Mrs. Gladys M., 1G	Spur
Carter, Lorena, 4G	Mertzon	Collier, Ila Mae, 2Ed	Abernathy
Carter, Mary Ruth, 3G	Lubbock	Collier, Margie, 4Ed	Stanton
Carter, M. N., CS	Poolville	Collins, David G., 1G	Quanah
Carter, Rosalie, 3Ed	Childress	Collinsworth, Gerald, 5Ed	Rotan
Carter, Mrs. Tom H., 3Ed	Lubbock	Coltharp, Faye, 2Ed	Slaton
Caruthers, Pat C., 5S	Kopperl	Colvert, Ned, 3Ed	Caviness
Casey, Guinn W., 5S	Tokio	Combust, Ruth, 4H	Olton
Casey, Marie, 3G	Hermleigh	Cone, Eunice, 5G	Lubbock
Cason, Moel, 4G	Cleburne	Cone, P. W., CS	Roswell, N. Mex.
Cassle, Virgil, 3Ed	Rule	Conerly, Preston, 3B	Clarksville
Castles, N. Frances, 5G	Abilene	Coneway, Albert, 2G	Lubbock
Caudle, Mrs. Inez P., 3H	Clint	Conger, Mrs. Clarie B., 4H	Forsan
Caviness, Edith, 4S	Mineral Wells	Conley, Frances, 3Ed	Lubbock
Chamberlin, John M., 4G	Mineral Wells	Conley, Mrs. Irene, 3H	Lubbock
Chambers, Joe F., CS	Stuttgart, Ark.	Connell, Elizabeth, 2Ed	Justiceburg
Chance, Juanita, 2H	Ralls	Conner, Louise, 2G	Floydada
Chandler, Stella, 2G	Chillicothe	Cook, Curtis, 2Ed	Wilson
Chant, Novie, 2S	Barksdale	Cook, Claudine, 3G	Lubbock
Chapman, Catherine, 5G	Lubbock	Cook, Christine, 2G	Hale Center
Chapman, Ed, 3G	Weatherford	Cook, Elouise, 5G	Lometa
Chapman, W. B., CS	Dallas	Cook, Elton, 3A	Shallowater
Chapman, Wilma, 2Ed	Pampa	Cook, Helen, 5G	Okmulgee, Okla.
Chappelle, Ray L., 5A	Pearsall	Cook, Mrs. Knox, 3Ed	Dublin
Chastain, Mrs. Bruce, 2H	Lubbock	Cook, Leola C., 2H	Smyer
Chenoweth, Elizabeth, 4H	Panhandle	Cook, Maurine, 2Ed	Henrietta
Chenault, Ella Louise, 2Ed	Paducah	Cook, Orlene C., 5Ed	Dublin
Cherry, J. Blair, 4G	Amarillo	Cooner, Jerene, 2Ed	Knox City
Chilcoat, Connell, 2G	Truscott	Cooper, Albert, 2Ed	Seymour
Childers, Fred A., 1S	Lubbock	Cooper, Mary, 1H	Lubbock
Childers, Lorene, 4G	Lubbock	Cope, Sybil, 3G	Lubbock
Childress, Effie, 2G	Wellington	Copeland, Gladys, 2G	Sterling City
Childress, Zeffie, 2G	Wellington	Copeland, Harmon, 5A	Post
Childs, Ruth, 4G	Timpson	Copeland, Hubert, 5B	Bowie
Chism, I. M., 5Ed	Moran	Copeland, Mrs. Hubert, 5G	Bowie
Chisum, Leopold, 3G	Levelland	Copeland, Louvil, 2A	Bowie
Choate, Charles, 4S	Graham	Copeland, Martha, 2G	Ropesville
Choates, Leo Rose, 2G	Graham	Copeland, Mrs. O. R., 2G	Lubbock
Choate, Mary Jane, 3G	Graham	Copeland, Velma, 5H	Bowie
Christian, Joe M., 2E	Eldorado	Copeland, Vera, 2H	Bowie
Clack, Evaughn, HS	Durant	Cosgrove, Charles, 2B	Cleburne
Clark, C. W., 1Ed	Idalou	Couch, Imogene, 5H	Gustin
Clark, Herman, CS	Fort Worth	Couch, J. E., 5A	Pecos
Clark, Lois, 2H	Olton	Couch, Mary Catherine, 2H	Pecos
Clark, Maxine, 4Ed	Lubbock	Covey, Truman, 2B	Wilson
Clark, Sylvester H., 3G	San Antonio	Cowan, Coleman, 4A	Lubbock
Clausen, Mrs. F. W., 5Ed	Anton	Cowan, Dorothy, 2G	Lubbock
Clayton, Joe, 4A	Lubbock	Cowen, W. J., CS	Russellville, Ark.
Clements, Dollie, 4Ed	Lubbock	Cox, Beulah Mae, 3H	Anton
Cleveland, Neweta, 4H	Lubbock	Cox, C. C., 2G	Lubbock
Clifford, Irene, HS	Edna	Cox, Charles, 3G	Lubbock
		Cox, John T., 3G	Mineral Wells

Cox, Ross, 2S	Seymour	Davis, Kenneth, 2S	Lubbock
Cox, Vincent, 3S	Portales, N. Mex.	Davis, Leo, CS	McKensie, Tenn.
Cox, Zona, 2H	Tulia	Davis, Mrs. Lucille E., 2Ed	
Coym, Lorene, 2 Ed	Canadian		South Plains
Cozby, Rozelle, 1A	Spur	Davis, Roy, 1B	Sulphur Springs
Craft, Mrs. Dewey, 1Ed	Brice	Davis, Roy Clifford, 1S	Itasca
Craig, Irene, 3 Ed	Winters	Davis, Trenton T., Jr., 3B	Saint Jo
Craig, N. Palmer, 5G	Chillicothe	Davis, William J., 2E	Baird
Crane, D. W., 1G	Kenna, N. Mex.	Davis, William Otis, 5G	San Angelo
Crane, Mary Lou, HS	Floydada	Dawson, G. E., 5E	Lubbock
Crane, R. C., 2Ed	Lamesa	Dean, Clyde, 5Ed	Santa Anna
Crane, Mrs. R. C., 3Ed	Lamesa	Dean, Lida Mae, 1B	Waco
Crausboy, Elsie, 2B	Lubbock	DeFee, T. J., Jr., 4G	Ralls
Cravens, Mrs. L. C., 3Ed	Lubbock	DeMoss, Kenneth, 3S	Turtle Creek, Pa.
Cravens, Viola, 5G	Lubbock	Denson, Leona, 3G	Spur
Crawford, Dora Belle, 2H	Big Spring	Denton, Bessie, 2Ed	Littlefield
Crawford, Ethel, 2G	Lubbock	Deupree, Mrs. Irene W., 5H	
Crawford, Geneva, 4Ed	Lubbock		Dodsonville
Crawford, Mary Katherine, 5Ed		Diersing, Frances, 2Ed	Munday
	Friona	Dixon, Burgess, 1G	Big Spring
Crenshaw, Billy, 2S	Lubbock	Dixon, Carolyn, 5H	Bellevue
Creswell, H. S., 3G	Cleburne	Doak, Evelyn, 3G	Sulphur Springs
Creswell, Mary Jo, 3H	Plains	Dobkins, Joyce, 4B	Lubbock
Crockett, Maxine, 2Ed	Norton	Dokey, Vernon G., CS	Stamps, Ark.
Crooks, Boyd, 3Ed	Lehman	Donnell, Bessie Faye, 3H	Graham
Crooks, Mrs. Boyd, 3 Ed	Lehman	Donnell, Edward, 3A	Graham
Crosland, Ellen C., 2G	Gordon	Doran, Winston W., 2B	Lubbock
Crosland, F. D., 5B	Gordon	Dorn, Mattie, 2B	Colorado
Cross, J. Hollie, 5G	Lubbock	Doss, Beth, 2G	Seminole
Crouch, Robert E., CS	Glendale, Ariz.	Douglass, Emma Jean, 3G	Lubbock
Crow, Mrs. M. D., 3Ed	Haskell	Douthit, Gladys, 2G	Tahoka
Crowell, John W., 1E	Bluffdale	Douthit, Lowell, 4G	Tahoka
Crudgington, Effie, 2Ed	Breckenridge	Dowell, Gwynn C., 2B	Royse City
Crump, Katie Bell, 5Ed	Shallowater	Dowell, G. S., 5A	Lorenza
Crutchfield, Carl, 4Ed		Downing, C. B., 5Ed	Albany
	Lovington, N. Mex.	Downs, Jack, 5A	Lubbock
Cummings, Elmer, 3G	Snyder	Downs, Willard, Jr., CS	Tulsa, Okla.
Cummings, Vera, 3G	Byers	Dryden, Mary Elizabeth, 4G	Best
Cunningham, Noah, 2Ed	Mobeetie	Dubberly, Gene, 2G	Big Spring
Cunningham, Orville, 2G	McLean	Dudley, Dayle, 3G	Hobbs, N. Mex.
Cunningham, Ruth, 5G	Sulphur	Duff, Berry, 2A	Lubbock
Cunningham, Mrs. Ruth, 2Ed	Trent	Duff, Margaret, 2G	Byers
Cunningham, W. C., 4Ed	Trent	Duncan, Dorothy, 2G	Lubbock
Curry, David, 1S	Tulia	Duncan, Hazel, 3H	Lubbock
Curry, Mattie McDonald, 2Ed		Dunlap, Ray, 2A	Spur
	Crosbyton	Dunlap, Mildred, 2Ed	Spur
Curry, Melva, 3Ed	Longworth	Dunn, Arthur Lee, 1S	Spur
Curry, T. H., 5Ed	Lawn	Dunn, Harvey, 4B	Ralls
Curtis, Eck, CS	Electra	Duscoll, H. W., CS	Bay City
Cushman, Cecil A., CS	Redlands, Calif.	Duval, Mrs. George, 2Ed	Lubbock
		Dyer, Mrs. Ruby, 2G	Lamesa
Dale, C. R., 3Ed	Wink	Dyess, Mrs. Grace T., 2Ed	Tahoka
Dalrymble, Carl, 5G	Prescott, Ark.	Dyiewas, Elsie, 3Ed	Yoakum
Darter, Ruth, 1H	Bertram		
Darwood, Janet, 1B	Lubbock	Earhart, Mildred, 3H	Como
Davenport, Maurine, 3Ed	Eastland	Easterling, Haskell, 2S	Graham
Davidson, R. L., 5Ed		Easterling, Margie, 2S	Graham
	Fort Sumner, N. Mex.	Easterling, Mrs. Thelma, 3G	Orth
Davidson, Thelma, 1G	Chillicothe	Eaton, Frank, 2S	Albany
Davidson, R. W., 5S	Plainview	Edelman, Wilburn, 5G	Summerfield
Davidson, Zula Belle, 2Ed	Chillicothe	Edmondson, Pearl, 3Ed	Slaton
Davis, A. C., 3G	Levelland	Edwards, Bruce E., 5Ed	Whitney
Davis, A. R., CS	Frederick, Okla.	Edwards, D. A., 5Ed	Crosbyton
Davis, Mrs. Ada J., 1G	El Paso	Edwards, Ethy Lou, 3G	Lubbock
Davis, Dan, 4E	Childress	Edwards, Jewel E., 3G	Paris
Davis, Dewey, 5A	Seminole	Edwards, Mrs. Florence T., 3Ed	
Davis, Mrs. Dewey, 1G	Seminole		Crosbyton
Davis, Herbert, 4A	Silverton	Edwards, Freddie, 2G	Tahoka
Davis, J., CS	Lubbock	Edwards, Louise, 3G	O'Donnell



Edwards, Mrs. Loucille, 5B	Hillsboro	Frazier, W. H., CS	Farwell
Eggleston, Mila, 4G	Vernon	Freeman, Odine, 1 G	Tahoka
Eichelberger, Mrs. Nellie, 2G	Post	Frnka, Henry, CS	Greenville
Eiland, Helen Frances, 4H	Munday	Fry, Irene, 2G	Lorenzo
Elder, Henry, 4A	Cuero	Fudge, James, 2E	Dallas
Elder, Otis, 2Ed	Hale Center	Fulghum, Martha, 1G	Borger
Elliott, Arvie, 2A	Lubbock	Fulghum, Martha R., 5H	Borger
Elliott, Edward E., 3B	Temple	Fulkerson, Robert W., CS	Winters
Elliott, Fred, 3A	Lubbock	Fuller, Jack B., 1G	Lubbock
Elliott, Roy, 3G	Trent	Fulton, Sarah, 2G	Lubbock
Elliott, Mrs. Roy, 2Ed	Trent	Fuqua, Duane, 2S	Amarillo
Elliott, Virginia A., 2H	Spur	Fyffe, Alice, 2G	Floydada
Ellis, J. Alvis, 4G	Anton		
Ellis, Cleo, 2Ed	Plainview	Gaines, Jimmie, 1E	Bronte
Ellis, Magnolia, 2H	Lubbock	Gammill, Rankin, 4Ed	Lubbock
Ellis, Thomas Edward, 5Ed		Gannaway, Mrs. Louise, 3G	Hermleigh
	Granite, Okla	Gardner, Carl, 3S	Kopperl
Ellison, Mildred, 3G	Valley Mills	Garlington, Evelynne, 5G	Littlefield
Ellsworth, Herber M., 5B	Lubbock	Garrett, Leeta Mae, 3G	Lubbock
Emfinger, Norman, 2E	Littlefield	Garrigues, Pauline, 4H	Slaton
Engleman, Mrs. Clota, 2Ed	Spur	Garrison, Keltz, 1B	Silverton
English, Mrs. Ance M., 4Ed	Lubbock	Garrison, Mrs. Isabel, 3Ed	Lubbock
English, Beatrice, 3Ed	Crosbyton	Gary, Bonnie, 3Ed	Hermleigh
English, Judith, 3S	Plainview	Gatlin, Imogene, 5B	Weatherford
English, Nelson Jr., 2E	Premont	Gee, J. T., 5Ed	Bovina
Eskridge, Chas. S., 3G	Monahans	Gee, Mrs. J. T., HS	Bovina
Ethridge, James, 3G	Grandview	Gelin, Leona, 5G	Lubbock
Etter, Roy, CS	Hardesty, Okla.	Gentry, Amy Fry, 3G	Anson
Evans, Curtis L., 2Ed	Lockney	Gentry, Mrs. C. A., 2G	Shallowater
Evans, Guy B., 3E	Lindale	Gentry, Lillie, 4H	Albany
Evans, Mrs. Lula Anna, 3G	Lockney	Gholson, Martha, 2B	Lubbock
Evans, Mae, 1Ed	Throckmorton	Gibbs, Chestine, 2G	Sweetwater
Evans, Sue Ellen, 1G	Mangum, Okla.	Gibbs, L. Clifford, 3G	Ropesville
Evans, W. P., 4Ed	Plainview	Gibbs, Myrtle, 3G	Lubbock
Evers, Frances, 2Ed	Brady	Gibson, Joe A., CS	Childress
Ezell, Mrs. Atha, 1H	Snyder	Gibson, Sarah, 3G	Chico
		Giddens, T. W., 5A	Snyder
Fagan, Pearl White, 2Ed	Floydada	Gilbert, Lawrence W., CS	
Fairchild, Everett D., 4G	Plainview		New Orleans, La.
Farris, Inez, 2H	O'Donnell	Gilbreath, Vance H., 4S	Lubbock
Faubion, Alvin L., 5Ed	Wilson	Gilbreath, Winona, 4G	Lubbock
Faver, Mrs. Grace, 2G	Sweetwater	Gilger, Lavern, 5Ed	Aspermont
Faver, Nancy, 3G	Sweetwater	Gill, B. E., CS	Judsonia, Ark.
Fellows, Frank K., 2E	Lubbock	Gilley, Frances, 2G	Southland
Fenn, Dorothy, HS	Denison	Gilliland, Pauline, 1H	South Plains
Ferguson, Mrs. Dee L., 4Ed		Gilliland, L. A., 3S	Lubbock
	Stephenville	Gilliam, Mrs. Hughes, 5S	Haskell
Ferguson, Roberta, 3H	Floydada	Gilmore, Braxton, 3G	Olney
Fette, Dorothy, 1H	Muenster	Gilmore, Mrs. Connie, 1Ed	Idalou
Fields, Lee, 1G	Lubbock	Gilmore, Wilson, 2G	Gatesville
Fields, Mrs. Lee, 1G	Lubbock	Gilpin, George, 2Ed	McAdoo
Finley, Leta Faye, 2H	Meadow	Gingrich, Jack, CS	Brownwood
Fisher, Mrs. Elizabeth, 2Ed	Post	Glasgow, Mrs. Louise, 4G	Henrietta
Fitzgerald, James, 2E	Aspermont	Glass, Mrs. J. M., HS	Hedley
Fletcher, Irene, 2G	Lubbock	Glazner, Charles E., 2E	Lubbock
Florence, Eunice, 3S	Slaton	Glazner, Elbert D., 2E	Lubbock
Followill, Erma, 3Ed	Lipan	Glidewell, Beatrice, 3G	Truscott
Ford, Gertrude, 2Ed	Sudan	Gobble, Earl, 1S	Carta Valley
Ford, Juanita, 3H	Omaha	Godfrey, L. T., CS	Roswell, N. Mex.
Ford, Olga Faye, 4G	Cisco	Goode, O. R., 2S	Olney
Forehand, Artie B., 1A	Levelland	Goodloe, Miriam, 2G	Lubbock
Foreman, Ellis Ray, 5B	Teague	Goodloe, Rebecca, 2G	Lubbock
Fortner, Elmer, 2G	Tulsa, Okla.	Gordon, Audrey, 3G	Joaquin
Foster, Ada L., 4G	Lockney	Gordon, Loraine, 4G	Hamilton
Foster, E. W., CS	Biloxi, Miss	Gordon, Marshall, 2G	Lubbock
Foster, Mary, HS	Electra	Graham, Sybil, 4G	McLean
Franklin, Gladys Ione, 3G	Rule	Granberry, Mrs. Katie I., 3Ed	
Franklin, Homer, 5G	Meadow		Breckenridge
Frazier, Nena Mae, 3Ed	Gilmer	Grant, Maude, 3G	Belcherville

Graves, Lottie, 5G	Levelland	Harper, Julia Clair, 5Ed	Brownwood
Gray, George B., 3S	Cee Vee	Harper, Lillian Gee, 5Ed	Commerce
Green, Alta, 2Ed	Brownwood	Harper, Sibyl, 2G	Weatherford
Green, Del Doris, 2Ed	Lorenzo	Harred, Hallie Faye, 3G	Brownfield
Green, Ethel, 3H	Lubbock	Harred, Edith, 2G	Brownfield
Green, J. Logan, 3A	Brownfield	Harred, Hazel, 2G	Brownfield
Green, Laura, 5G	Dallas	Harrell, James, 4E	San Saba
Green, Lola Beth, 4Ed	Dickens	Harrell, Mary Bob, 2Ed	Lamesa
Green, Margaret, 4G	Lubbock	Harris, Carl, 2A	Mart
Green, Mary E., 3Ed	Yoakum	Harris, Ealy, 3S	Lorenzo
Green, Mary Ruby, 2G	Lubbock	Harris, Marion, 3S	Sallisaw, Okla.
Greene, Louise, 3G	Levelland	Harrison, Thomas R., 3Ed	Lubbock
Greenwood, Billie, 5G	Comanche	Hart, Jim Allee, 4G	Rockwood
Greenwood, Max, 5G	Big Spring	Harter, Astena, 2H	Tahoka
Greer, Ada G., 3G	Lubbock	Hartsell, Maxine, 2Ed	Teague
Greer, Albert G., 4A	Comanche	Harvey, Eunice, 3G	Quanah
Greer, Mrs. Inez, 1G	Bellevue	Haskins, Mrs. E. R., 3Ed	Lazbuddy
Greer, Lela Frank, 2G	Wilson	Hastings, Emma May, 4H	Lubbock
Greer, Milton, 4G	Wilson	Hatchett, Lutie Vale, 3H	Santo
Greer, Mrs. Milton, 2H	Wilson	Hatton, Mrs. G. T., 5Ed	Hale Center
Greer, William A., 4Ed	Bellevue	Hauk, Lura Lee, HS	Anson
Gregory, Lucie, 5G	Lubbock	Hawkins, Loma, 2G	Meadow
Gregory, William W., 5A	Lubbock	Hayden, Ruby Ethel, 4H	Pickton
Gresham, C. E., 3E	Newlin	Hayes, Mrs. C. T., 2Ed	Clairement
Gressett, Winnie Faye, 3G	Westbrook	Hayes, Charlie Vera, 2G	Spur
Griffin, Leona, 3Ed	McKinney	Haynes, Pauline, 3G	Fluvanna
Griffis, Olive, 4Ed	Valera	Hays, B. M., 5A	Whitharral
Grigsby, Virginia, 2H	Lubbock	Hays, Ethel Lynn, 2H	Snyder
Grimes, Wilson, 2E	Greenville	Hays, Lelless, 4G	Lubbock
Grist, J. Walter, 2A	Tulia	Hays, L. M., 5Ed	Valera
Grizzle, Nora Belle, 2G	Littlefield	Hays, Mrs. L. M., 3H	Valera
Grounds, Altha Lee, 2G	Blue Ridge	Hays, S. D., Jr., 1B	Snyder
Groves, R. T., 5S	Lubbock	Hazel, Sybal, 2G	Spur
Grundy, Mrs. Carolyn, 3G	Anton	Hazelwood, Mrs. Sadie, 3G	Lubbock
Grundy, Lola Mae, 2G	Floydada	Head, Bolton, 3G	Sweetwater
Guess, Ruth, 4G	Idalou	Head, J. B., CS	Sherman
Gulledge, Mrs. Mary, 3G	Lubbock	Headstream, Bill, 1S	Ropesville
Gulledge, Velda Beth, 4H	Lubbock	Headstream, Mae Bell, 2Ed	Roby
Gwathmey, Loyce, 3Ed	Brownwood	Heald, Edgar, 1S	Lubbock
Haag, Oliver E., 1B	Lubbock	Heard, Mrs. Audrey M., 1Ed	Hart
Hale, Edna, 1H	Jacksboro	Hearn, Quill Lesesne, 5G	Cuthbert
Hale, E. W., CS	State College, Miss.	Heathy, Eleanor Sue, 4G	Lubbock
Hale, Ida Mae, 2H	Jacksboro	Heatly, Evelyn, 5G	Lubbock
Hale, W. V., 4S	Lubbock	Heaton, Mrs. Murrel, 2G	Slaton
Hall, A. G., 2G	Slaton	Hefley, Mary Arnold, 4Ed	Sterling City
Hall, Lawrence, CS	Douglass, Kan.	Heidel, F. L., 2G	Lubbock
Hall, Lois E., 5B	Quitauque	Helma, V. W., CS	Taft, Calif.
Hall, Wayne, 1E	Quitauque	Henderson, Ruth, 2G	Post
Halsell, Georgia Ora, 1G	Abilene	Hendrick, Ernestine, 3G	Rogers
Hambricht, Dudley Ben, HS	Roby	Hendrick, Sulta, 4G	Rogers
Hammack, Lucille, 2Ed	Goodlett	Henry, Gladys, 2Ed	Ralls
Hammons, Abie, 1H	Gordon	Henry, Vern J., 2B	Rochester
Hampton, Miss Willie, 3G	Olton	Henry, Mrs. Vern, 2H	Rochester
Hancock, Beulah, 3Ed	Tahoka	Hensley, Inez, 2E	Lubbock
Hancock, Dorothy, 3G	Rising Star	Henson, Lois, 2G	House, N. Mex.
Hancock, Erwin E., 5Ed	Petersburg	Herring, Beulah, 3G	Lubbock
Hancock, Fred, 5S	Hallsville	Herring, Ernestine, 2Ed	Lubbock
Hancock, J. E., 4Ed	Tahoka	Herring, Mildred, 2G	Aspermont
Hancock, Loretta, 2Ed	Lamesa	Hewlett, J. P., 4A	San Benito
Hancock, Louise, 2G	Tahoka	Hicks, John H., 1G	Pittsburg
Hanna, Ola LaGuana, 1G	Floydada	Hicks, J. L., 3A	Swearington
Hard, Laura, 3H	Shallowater	Highpower, J. A., 1S	Memphis
Harder, Mrs. Bob, 2G	Plainview	Hill, Frances Ann, 5G	Crowell
Harding, Robert, 3E	Dallas	Hill, Ruby Catherine, 4Ed	Lubbock
Hardy, Benetha, 2G	Lamesa	Hilton, Blanche, 2G	Floydada
Hargis, Amelia, 4G	Dickens	Hinchey, John James, 3S	Lubbock
Hargus, June B., 5G	Eastland	Hinds, Mrs. Jesse, 1G	Voss
Harkins, Clarice, 2G	Hermleigh	Hinds, T. G., 1S	Waxahachie
Harper, Carl, 5G	Lubbock	Hinds, Dan S., 3B	Lubbock



Hinds, Truman, 3G	Lubbock	Igo, Ina, 2H	Ralls
Hinson, H. Houston, 5E	Lubbock	Ingram, Annie C., 3Ed	Kerens
Hipp, Jewel, 3H	Hart	Ingram, Kathleen, 5G	Quanah
Hitchcock, Jesse R., 5Ed	Knox City	Ishmael, E. M., CS	Jenko, Okla.
Hitt, T. S., CS	Biloxi, Miss.		
Hix, Argen, 2H	Wellington	Jack, Doris, 2Ed	Lamesa
Hix, Margaret, 2G	Wellington	Jackson, Alfred, 2Ed	Lubbock
Hoggood, Lois, 2G	Iredell	Jackson, Clarence, 2G	Clarendon
Holcomb, William, 1S	Sulphur Springs	Jackson, C. P., 2G	Lubbock
Holden, Joyce Ellis, 2G	Lubbock	Jackson, E. W., 1G	Anton
Holden, Mrs. W. C., 5G	Lubbock	Jackson, Mrs. Floyd, 2Ed	Hurlwood
Holden, Tom C., 5G	Littlefield	Jackson, Mrs. Gaston, 2H	Dickens
Holgate, Katherine, 2G	Brownfield	Jackson, Helen, 5G	Lubbock
Holley, V. C., 3A	Aspermont	Jackson, Lucy Belle, 5Ed	Lubbock
Holloway, Mrs. Holt, 2G	Lubbock	Jackson, Mineus, 4Ed	Wellington
Holly, Evalene, 3H	Spur	Jackson, Oneta, 2E	Alma
Holmes, Earl J., CS	Compton, Calif.	Jackson, Pearl, 3Ed	Lubbock
Holmes, Jesse, 2G	Lubbock	Jacobs, Jack, 2E	Lubbock
Honea, Mrs. Bernice, 3Ed	Anson	James, C. B., 4Ed	Sudan
Honey, Floyd, CS	Lubbock	James, George W., 3S	Washburn
Hood, Mrs. Belle Morris, 2G	Lubbock	James, Maude R., 3Ed	Sudan
Hoover, Mrs. Etha Alma, 3Ed	Desdemona	Jameson, Ethel, 2Ed	Coleman
Horne, Bernice, 2G	Richland Springs	Jameson, Roy L., 2G	Clovis, N. Mex.
Horne, Mary Eunice, 5G	Amarillo	Jameson, Ruby I., 2S	Clovis, N. Mex.
Horne, O. C., 5Ed	Lubbock	Jarmon, Etta Belle, 4G	Gurdon, Ark.
Horstmann, Hugo, 4G	Buckholts	Jarvis, Billy, CS	Spearman
Horstmann, Mrs. Lina, 3Ed	Buckholts	Jay, Mrs. Gwindolen, 2G	Lubbock
Hove, S. G., 3G	O'Brien	Jay, Ike W., 5S	Lubbock
Hove, Mrs. S. G., 2G	O'Brien	Jay, Rebecca M., 4Ed	Lubbock
Howard, Doyle, 1B	Bellevue	Jeffries, Estelyne, 3Ed	Hale Center
Howard, K. H., CS	Chattanooga	Jeffries, Evelyn, 3Ed	Hale Center
Howard, Marshall, CS	Smyer	Jeffries, Lloyd, 1B	Hale Center
Howe, Ruth, 3S	DeLeon	Jeffries, Lois, 4Ed	Hale Center
Howell, Annie Lee, 1Ed	Kress	Jennings, Mrs. Dollie, 3Ed	Sonora
Howell, A. Z., 2G	Paducah	Jennings, Helen, 4S	Lubbock
Howell, Harlan, 5A	Seminole	Jennings, H. G., 1B	Mineral Wells
Howell, J. B., 3G	Post	Jernigan, Mrs. Blanche, 5G	Hobbs, N. Mex.
Howell, Mattie Sue, 5G	Lubbock	Jernigan, Martha A., 3H	Childress
Howell, May Tom, 4H	Lubbock	Jenkins, Reba O., 4Ed	Sudan
Howell, Mrs. Nova, 2Ed	Paducah	Johnson, Bryon, 1B	Stoneburg
Huber, Jack, 1A	Amarillo	Johnson, Doris Mae, 3Ed	Dunn
Hudman, Kathryn, 2S	Lubbock	Johnson, Eunice Banks, 3G	Jarrell
Hudson, G. M., 5G	Hereford	Johnson, Jesse M., 3A	Burkburnett
Hudson, Juanita, 1Ed	Dalhart	Johnson, Lee, CS	Wink
Hudson, Leldon, 1A	Wellington	Johnson, Mabel, 1G	Iraan
Hudson, Mrs. Margaret, 3G	Hereford	Johnson, Nathan, 5Ed	Jarrell
Huffaker, Calloway, 3G	Wilson	Johnson, Paul, 2A	Kemp
Huffaker, Evva Faye, 2G	Avoca	Johnson, Mrs. Pauline, 2G	Lubbock
Huffman, Berl, CS	Lubbock	Johnson, Rubye Collie, 3H	Lubbock
Hufstler, Pearl, 5G	Abilene	Johnson, Ruby Leigh, 2Ed	Petersburg
Huggins, T. F., 5Ed	Denton	Johnson, Mrs. Thelma, 2Ed	Mabank
Hughes, Fonda, 2Ed	Baird	Johnson, Thomas H., CS	Taylor
Hukel, Cecil M., 3Ed	Abernathy	Johnson, Thomas W., 5A	Lubbock
Hukel, Wilma, 2Ed	Abernathy	Johnson, Zona, 1G	Bandera
Hull, Doris, 4B	Lubbock	Johnston, Dorothea, 4G	Crosbyton
Hulse, Rowena, 3Ed	Skellytown	Jones, Allyne, 5G	Seagraves
Hulsey, Ethel, 4Ed	Dickens	Jones, Mrs. Alpha, 2Ed	Lubbock
Hulsey, Gaylon, 1Ed	Dickens	Jones, Bill, 1G	Anson
Hunt, John L., 2S	Idalou	Jones, Billie Bob, 2G	Lubbock
Hunt, Lucille, 4H	Claude	Jones, B. L., 1E	Hamlin
Hunter, Glenn, 4A	Gilmer	Jones, Connie, 2G	Stanton
Hunter, Pauline, 3Ed	Brownfield	Jones, Mrs. Earle, 1Ed	Penelope
Hurmece, Howard, 4E	Lubbock	Jones, Evelyn, 5Ed	Lubbock
Hurmece, Ruth, 3G	Lubbock	Jones, Lois, 2Ed	Poolville
Hutchings, Frances, 3G	Fort Worth	Jones, Mary Watson, 4H	Silverton
Hutchinson, Ruth, 3G	Lubbock	Jones, Mittie, 3Ed	Clyde
Hutchinson, Tom, 2G	Lubbock	Jones, Pauline, 3Ed	Snyder
		Jones, R. Merle, 3E	Lubbock

Jones, Ruth E., 4G	Abernathy	Landrum, Emma Leata, 2G	Fluvanna
Jones, Mrs. Sunshine B., 2G	Lockney	Landrum, Jeta G., 2S	Fluvanna
Jones, Thelma Darby, 4Ed	Stephenville	Lane, Mrs. G. W., 1Ed	Cee Vee
		Laney, Arthur, 1S	Spur
Jones, Mrs. T. J., 3H	Elbert	Langford, Billie, 2E	Lubbock
Jones, Truman, 2A	Poolville	Langford, Maxine, 2S	Lubbock
Jones, W. Bernice, 5Ed	Blanket	Lanham, Elizabeth, 4B	Lubbock
Jones, Wesley W., 2S	Lockney	Lankerman, F. C., CS	Winfield, Kans.
Jones, X., CS	Tulsa, Okla.	Larner, Otis, 3A	Bluff Dale
Jordon, Mrs. J. B., 1Ed	Monahans	Lauderdale, James, 4S	Saint Jo
Journey, Harry, CS	Houston	Lawler, La Farris, 2G	Ennis
Joyce, Faye, 3G	Snyder	Lawrence, Geraldine, 3Ed	Lubbock
Joyce, Hilma, 2S	Colorado	Lawrence, Ivan, 2G	Lubbock
		Lawrence, Karl J., CS	Freemont, Neb.
Kay, Hugh, 3E	Lubbock	Lawrence, Mrs. Lottie, 3Ed	Quanah
Kay, Roy, 1E	Denton	Lawson, Bryan, CS	Goree
Keahey, Maggie, 1Ed	Roaring Springs	Lawson, Hazel, 2H	Lubbock
Keaster, Effie Lou, 4S	Lubbock	Leach, Henry R., 2A	Ballinger
Keen, Gladys, 5H	Sierra Blanca	Leach, T. L., 5A	Brownwood
Keeton, Jean J., 3G	Bynum	Lee, Josephine K., 2G	Lubbock
Keever, George L., 1S	Lorenzo	Lee, Miller, 2S	Knox City
Keith, Clifford, CS	Perryton	Lee, Mrs. Robert, 2Ed	Knox City
Kelley, Frank, 3S	Pampa	Legg, Peyton, 2Ed	Dickens
Kelley, Leona Mae, 3G	Idalou	Leggett, Walter, 5G	Leggett
Kelley, Harry, CS	Pampa	Leidigh, Katherine, 2H	Lubbock
Kelley, Marie, 3H	Spur	Lewis, George E., CS	Dexter, N. Mex.
Kelly, A. H., 1G	Wharton	Lewis, Hazel B., 5G	Bertram
Kelly, George, CS	Concan	Lewis, Norris, 3G	Lorenzo
Kelly, J. Dyche, 4E	Lubbock	Lewis, Quanah, 4G	Lubbock
Kelly, Rex, CS	Yoakum	Lieske, Bertha, 2Ed	Crosbyton
Kennedy, Dell, 1G	Lubbock	Lieske, Helen, 2Ed	Crosbyton
Kennedy, Paul, 4S	Estelline	Liles, Joe H., 2A	Lubbock
Kenner, Ruby, 2G	Lubbock	Lilljedahl, Lucile, 2Ed	Levelland
Kerr, Fred, 3G	Idalou	Liner, Euel, 5A	Lubbock
Key, Cecil, 2E	Lamesa	Link, Geraldine, 3G	Tuxedo
Key, Norvell, 3G	Wilson	Lisenby, Dot, 2H	Spur
Keyes, J. G., CS	Albany	Lisenby, Leonora, 2B	Spur
Kinder, Mrs. L. H., 3Ed	Lamesa	Liston, Lovic, 4Ed	Dallas
King, Eunice, 5H	Crane	Little, Willie Ruth, 3H	Abilene
King, John L., 3E	Lubbock	Little, Woodrow J., 3G	Harlingen
King, Louise, 4G	Lubbock	Littlefield, Houston, 1S	Dumont
King, Wanda, 4G	Silverton	Litton, Fred, 3E	Lubbock
King, Mrs. W. P., 2Ed	Snyder	Lockert, Jess, CS	Hugoton, Kans.
Kirkpatrick, Lois, 2G	Littlefield	Lockwood, Daisy, HS	Lubbock
Kittrell, Frotilla, 2H	Petersburg	Lofland, Dorothy, 2G	Rockwall
Kittrell, Lucile, 1H	Petersburg	Lomax, Dorothy, 5G	Lubbock
Klein, Ed, 2G	Waco	Long, Ina Maye, 2G	Roaring Springs
Klett, Katherine, 1G	Lubbock	Long, Mrs. Maude, 1Ed	Roaring Springs
Kneip, Roy E., CS	Corpus Christi		
Knight, Audra, 2B	Graham	Looney, Catherine, 2Ed	Paducah
Knight, Oleta, 2B	Graham	Looney, Helen, 2H	Paducah
Knipping, Laurie Dell, 5G	Gornado	Loter, Henry D., 4G	Paducah
Knox, Elliot, 4E	Roby	Lotspeich, C. C., 2Ed	Robstown
Knox, Mary, 3H	Abilene	Lotspeich, Mrs. C. C., 3G	Robstown
Knox, Zelma, 3Ed	Abilene	Loughmiller, Wiley, 2G	Canton
Koeninger, A. C., 3Ed	Abernathy	Love, Ima Jewell, 2Ed	Anton
Koonsman, Mrs. Sam, 3Ed	Dickens	Lovell, H. L., 3Ed	Dickens
Kozelski, Herman, CS	Cuero	Lovell, Mrs. Iris B., 2Ed	Lubbock
Kral, Anna Katherine, 4G	Roby	Lovvorn, G. F., CS	Plainview
Kral, Edit, h, 5H	Roby	Lowry, John Mark, 4E	Plainview
		Loyd, Doris, 1H	Amherst
Labay, Walter, 4A	Ranger	Loyd, Owen, 1B	Amherst
Lamb, Iris, 2G	Lake Creek	Ludlow, Odie, CS	Stillwell, Okla.
Lamb, Mildred, 3Ed	Winfield	Lupton, Richard, 1G	Shallowater
Lamb, Vera, 3Ed	Winfield	Lutz, Mrs. Clara L., 2G	Lubbock
Lancaster, Eloise, 4H	Teague		
Land, Elizabeth, 2G	Lamesa	McAdams, Mary Leda, 2H	Lockney
Land, Mildred, 1G	Lamesa	McAlister, Bertha, 2Ed	Stockman
Landers, Arthur F., 3Ed	Robert Lee	McAlister, Neoma, 2H	Floyd, N. Mex.

McAlister, Winburn, 2A	Floyd, N. Mex.	McWhirter, George E., 5G	Plainview
McAllister, Ione P., 5H	Lubbock	McWhorter, Garland, 2A	Wilson
McAllister, Winifred, 2G	Tuxedo	McWilliams, Bennie, 4G	San Benito
McArthur, Lillie, 3H	Spur	McWilliams, J. Roscoe, 3E	Whiteflat
McArthur, Wilma, 4G	Spur	McWilliams, Varner, 1A	Whiteflat
McCall, Mrs. Louise, 2Ed	Lamesa	Macha, Lebusa, 1G	Wilson
McCann, Agnes Theresa, 2G	Lubbock	Maddox, F. M., 2G	Lubbock
McCarley, H. L., 3G	Van Alstyne	Maedgen, Charles, 4G	Lubbock
McCarley, Mrs. H. L., 3G	Lamesa	Magee, Mary Jane, 5H	Levelland
McCarty, James W., 1E	Lubbock	Maggart, Eva, 3Ed	Stanton
McCarty, Leon, 3Ed	Iredell	Maggart, J. W., 4Ed	Lubbock
Mrs. McCarty, Mrs. Leon, 2Ed	Iredell	Malcolm, Golda, 2H	Brownfield
McCauley, Louise S., 1G	Lubbock	Mallard, J. W., 5Ed	Jaughn, N. Mex.
McClain, Carl, 5G	Lubbock	Mallard, Mrs. J. W., 3Ed	Jaughn, N. Mex.
McClain, Futrelle, 1B	Petersburg	Malone, Irene, 3G	Sour Lake
McClain, Yreva Mai, 2Ed	Plainview	Malone, Martha, 2G	Hamlin
McClenny, Inez, 2Ed	Stanton	Mangan, Tom, 2Ed	Canton
McCleskey, Madie, 5G	Lipan	Manire, E. Leroy, 4E	Slaton
McCoin, Ella Mae, 1Ed	Stamford	Mankins, Roy, 1G	Lubbock
McCoin, Walter, 2G	Stamford	Mann, O. C., 2G	St. Jo
McCluskey, Eugene L., 5G	White Deer	Marcom, P. J., 4Ed	Levelland
McCollum, Tom, 5G	Hereford	Marr, Lloyd, 2G	Lamesa
McCook, Mrs. J. R., 2Ed	Ennis	Marrs, Edith, 3E	Slaton
McCoy, Perry, 4G	Enid, Okla.	Marsh, Evelyn, 3G	Amarillo
McCracken, Maurice, CS	Corpus Christi	Martin, Mrs. Anna Y., 3G	Seymour
McCullough, Coy, 2A	Lubbock	Martin, Cleone, 3Ed	Lubbock
McCurdy, Beatrice, 3G	Decatur	Martin, Fred W., 5Ed	Sinton
McDonald, Birdie Lee, 3G	Levelland	Martin, Freeman A., 5G	Corpus Christi
McDonald, Mrs. Harry, 2Ed	Southland	Martin, Guy, 5S	Lorenzo
McDonald, Thomas A., 2G	Roaring Springs	Martin, Harvey O., 2B	Petersburg
McFall, Melvin, 3G	Levelland	Martin, L. L., 3Ed	Forsan
McGlothlin, Inez, 3Ed	Rhome	Martin, Mrs. L. L., 4G	Forsan
McGlothlin, Lee, 5G	Carlton	Martin, Mrs. Mary Etta C., 4G	Hart
McGowan, Jack, 2E	Leonard	Martin, Odes F., 5Ed	Dublin
McGrady, John B., 3E	Cisco	Martin, Roberta E., 5H	Goliad
McGregory, Edna Earl, 5H	Knott	Martin, Wilma Myrle, 2Ed	Lubbock
McGuire, Eula Mae, 2H	Gilliland	Massa, Mrs. J. B., HS	Pampa
McGuire, Jane, 3G	Lubbock	Massingill, Viola Mae, 5G	Mertzon
McGuire, Merlyn, 3G	Vera	Masten, Reese, 3G	Plainview
McGuire, Travis, 1B	Memphis	Mathis, Kary, 5Ed	Lubbock
McGuire, Willie Marie, 2H	Vera	Mathis, Martha, 2G	Lubbock
McIntosh, Margaret Lee, 2Ed	Fort Worth	Mathis, Mary, 2G	Lubbock
McInturff, Mrs. Srah, 3Ed	Lubbock	Mathis, Mrs. Kary, 5Ed	Lubbock
McInturff, William R., 1Ed	Lubbock	Matthews, Ersel, 1E	Floydada
McIver, Inez, 2H	Trickham	Matthews, Essie Ruth, 3Ed	Littlefield
McKay, Opal, 4G	Lamesa	Maxey, Carl, 1B	Lubbock
McKelvy, Mrs. Ruby, 4Ed	Sudan	May, Zona, 5G	Lubbock
McKinney, Nadine, 3Ed	Gordonville	Mayfield, Mrs. Fawn, 2Ed	Aspermont
McKinney, Mrs. Wm. T., 3Ed	Lubbock	Mayhew, Dewey, CS	Abilene
McKinzie, James L., CS	Dermott, Ark.	Mayhugh, Frances, 3G	Plainview
McLane, Eddie, CS	Ruston, La.	Maynard, Eva, 5G	Wylie
McLaughlin, Lloyd, 2B	McAdoo	Meador, Mary, 3Ed	Lubbock
McLaughlin, Mrs. Ruth Fry, 3G	Lamesa	Mechem, Jessie, CS	Las Cruces, N. Mex.
McLean, Blanton, CS	Merkel	Medford, Mary M., 3G	Avery
McLemore, Holly, CS	Hillsboro	Medlen, Bessie, 2Ed	Roaring Springs
McMahon, Bonnie, 2Ed	Post	Melton, Lillie Sue, 2G	Electra
McMahon, John, 5Ed	Weatherford	Merrell, Mrs. Chesley, 3Ed	Shallowater
McMath, Frank B., 2G	Lubbock	Merrick, Ura, 2H	Lamesa
McMinn, Katherine, 2Ed	Wellington	Messersmith, Marvin, 4B	Ft. Worth
McMurry, Minnie Lee, 4Ed	Slaton	Meyers, Elaine, 1Ed	Lubbock
McNeil, Jamie, 2G	Lubbock	Meyers, Oquin, 4E	Lamesa
McNeill, Mary, 5G	Lubbock	Meyers, R. L., Jr., 3G	Lamesa
McReynolds, Eunice, 3B	Patricia	Michie, Sue, 4Ed	Lubbock
McReynolds, Ollie Belle, 3G	Dallas	Middleton, Leta Mae, 5G	Stamford
McReynolds, Opal, 1G	Patricia	Middleton, Oueda, 4Ed	Lubbock
		Millard, Myra, 3Ed	Canadian
		Miller, Carl L., 5Ed	Tahoka

Miller, Don C., 2B	Greenville	Neeper, Stella, 5Ed	Sweetwater
Miller, Elma, HS	Amarillo	Neill, Jim, 1Ed	Brownfield
Miller, Gordon, 3G	Kress	Nelms, Robbie Jane, 3G	Bonham
Miller, Haskell, CS	Roaring Springs	Nelson, Eloise, 2Ed	Sterling City
Miller, Howard, CS	Abilene	Nelson, J. T., CS	Clifton
Miller, Mrs. Josie, 3Ed	Dodsonville	Newman, Mrs. Erna Mae, 1Ed	Grace
Miller, J. G., 3Ed	Dodsonville	Newman, Lovella, 2Ed	Meadow
Miller, Kimsey T., 5E	Lubbock	Newman, S. T., 3G	Lubbock
Miller, Mayme Lee, 3G	Levelland	Newman, Mrs. S. T., 4G	Lubbock
Miller, Mac, CS	Brownwood	Newman, Vernie, 5G	Abilene
Miller, Mildred, 3Ed	Muleshoe	Newsom, Mrs. Garland, 4H	Clovis, N. Mex.
Miller, Opal Lawley, 2G	Shallowater	Newsom, Gladys, 2H	Brownfield
Miller, Powell, 2S	Lubbock	Newsom, Mrs. Opal, 4E	Vernon
Miller, William A., 5Ed	Vega	Newsom, Reva, 2G	Brownfield
Millikin, J. H., 3G	Garden City	Newsom, W. R., 5Ed	Vernon
Mills, Gordon, 5G	Lubbock	Newton, Inez, 4Ed	Goree
Millisap, Laurene, 4G	Lubbock	Newton, John, 3E	Lubbock
Millwee, Christine, 3Ed	O'Donnell	Newton, Merle, 2G	Hico
Mings, Johnnie Velma, 1Ed	Pritchett	Nichols, Martha Frances, 1G	Spur
Minter, M. P. J., 4E	Sulphur Springs	Nichols, Pike, 1S	Lubbock
Miskell, Mrs. L. A., 1Ed	Big Lake	Nichols, Walker, 2B	Lubbock
Mitchell, C. E., 3E	Slaton	Nix, Brady, 3Ed	Wilson
Mitchell, Lorene, 2G	Whiteflat	Nix, Mrs. Brady, 3Ed	Wilson
Moffett, Milton, 3G	Stanton	Nixon, Paul, 3G	Harrold
Montgomery, Grace, 1B	Tahoka	Nixon, Walton, 4A	Waco
Montgomery, Marietta, 1B	Tahoka	Noah, Gladys, 1Ed	Wheeler
Moore, Bessie Mae, 3G	Littlefield	Noakes, Wilma, 2Ed	Calallen
Moore, LaTrelle, 3G	Levelland	Nolen, Eloise, 1Ed	Big Spring
Moore, Margaret Mirl, 2G	Forsan	Noles, Glouise, 3Ed	Rotan
Moore, Mary Ann, 2Ed	Clyde	Norris, Henry, 4G	Lamesa
Moore, Mildred, 1G	Levelland	Northcutt, Katherine, 3G	Snyder
Moore, Monta, 2G	Merkel	Nowlin, Carl, 2A	Tahoka
Moore, Oleta, 2H	O'Donnell	Nowlin, Jack, 2B	Cleburne
Moore, Ray C., 4G	Hamilton	O'Brien, Georgie, 1H	Wickett
Moore, Reuben, 2B	Lubbock	O'Brien, Velma, 1H	Wickett
Moorhouse, Frances, 2Ed	Benjamin	O'Daniels, Howard, CS	San Luis Abispo, Calif.
Moody, Neva D., 2H	Muleshoe	Odom, Katherine, 3Ed	Crosbyton
Morehead, H. C., 5Ed	East Vaughn, N. Mex.	Officer, Mrs. Mary, 1G	Turkey
Moorhead, Mrs. Lu, 1Ed	East Vaughn, N. Mex.	Ogden, Mrs. Flora Mae, 4Ed	Andrews
Morgan, Mary Ellen, 2H	Slaton	Ohlenbusch, Lena, 2Ed	Loraine
Morgan, Mildred, 2Ed	Scranton	Oliphant, Joe, CS	Windon
Morgan, Ruth, 2G	Norton	Oliver, Norma Lee, 3G	San Saba
Morley, Pauline, 2Ed	Quanah	O'Neil, D. H., CS	Brenham
Morris, Mrs. Edna N., 4G	Stephenville	O'Reilly, James J., 1G	Baileborough
Morris, Frank, 2G	Sherman	Orman, Pauline, 3Ed	Roaring Springs
Morris, Joseph W., 4S	Tolar	Orman, R. L., 3Ed	Crosbyton
Morris, Mary, 3G	Tolar	Orr, Rogers, 3G	Hereford
Morris, Roy, 5G	Lubbock	Orsborn, Grace, 4G	Knox City
Morris, Mrs. Roy, 3Ed	Lubbock	Owen, Joe H., 2Ed	Muleshoe
Morrison, Mrs. H. P., 2Ed	Loraine	Owen, Ruby Faye, 2Ed	Muleshoe
Moses, Florence, 2Ed	Lampasas	Owen, Truett, 2B	Sherman
Mosley, Guy, 3G	Colorado	Oxer, Mary Jane, 4G	Plainview
Mosley, Mary Helen, HS	Quanah	Pace, Mrs. Alma, 3G	Lubbock
Moxley, J. Mason, 3G	Lubbock	Pace, Johnnie, 2Ed	Littlefield
Mullins, Mrs. Nettier, 2G	Brownfield	Pace, Joyce, 1H	Littlefield
Muns, Lorene, 4G	Clarksville	Paige, Russell E., 5Ed	McLean
Murphy, Jewell, 2G	Lubbock	Paige, Mrs. Russell E., 3G	McLean
Murphy, Pat, CS	Abilene	Pancake, Mickie, 3G	Lubbock
Murray, Mrs. G. C., 2Ed	Iraan	Pardue, Winona, 4G	Lubbock
Murray, Virginia, HS	Lubbock	Parham, Mrs. N. L., 2G	Particia
Musick, J. Herman, 5Ed	Marlin	Park, Curtis A., CS	Weatherford
Nall, Mary Ruth, 1G	Turkey	Parker, Cecil, 2G	Goldthwaite
Nance, Bonnie R., 2G	Justiceburg	Parker, Curtis, CS	Shreveport, La.
Nance, Mina, 4Ed	Justiceburg	Parker, Thalia, 4H	Lubbock
Nation, Mrs. Johnye, 1G	Lorenzo	Parker, Weldon, 2B	Garden City
Neal, Mrs. Mamie I., 3G	Lubbock		
Neaves, Imogene, 2G	Spur		

Parmer, Opal, 2Ed	Miles	Price, Yancey, 4G	Lubbock
Parris, Ursula, 4H	Wilson	Prichard, Arthur, 5A	Lubbock
Parson, Allie Mae, 3G	Goree	Priddy, Mrs. Lawrance, 4G	Lubbock
Partin, J. W., 2G	Petersburg	Prim, John, 2B	Pawnee, Okla.
Patterson, Clifton, 3S	Paradise	Prince, Elizabeth, 1G	Gilmer
Patton, Maurice, 2Ed	Jayton	Pritchard, A. S., 5Ed	Kerens
Payne, Beatrice, 4S	Slaton	Pryor, Gladys, 3G	Lubbock
Payne, Boyd, CS	Hillsboro	Puryear, S. C., CS	Poolville
Pearce, Elinor, 3Ed	Whitesboro	Pyle, Coot, CS	Deming
Pearce, Louise, 4Ed	Whitesboro		
Pearce, Paul, 3G	Whitesboro	Quinlan, Jack, 1E	Lubbock
Pearce, Richard, 2E	Whitesboro		
Pearce, William, 4G	Lubbock	Ragsdale, Leta, 5G	Santa Anna
Pederson, Oscar N., 4B	Clifton	Ramming, Helen, 2G	Floydada
Peek, Argo, 1E	Lubbock	Ramsey, Frances, 4G	Honey Grove
Peek, Mrs. Cleo, 3G	Lubbock	Randolph, Mrs. E. L., 5E Hobbs, N. M.	
Pendleton, Bonnie, 3G	Stratford	Rankin, Charles G., 5G	Cone
Periman, Ila Bee, 3H	Snyder	Rankin, Louise, 5Ed	Abernathy
Periman, Vera, 3H	Snyder	Rankin, Mrs. Maddie, 4Ed	Lubbock
Perkins, Myra Ann, 3G	Lubbock	Rankin, Mary, 5Ed	Lorenzo
Perrin, Dick, 4A	Lubbock	Rankin, Vera, 3G	Lubbock
Perry, Edgar, 2A	Lubbock	Ranson, Ralph, 2G	Sanco
Perryman, Naomi, 2H	Forestburg	Ratliff, Charlotte, 3G	Lubbock
Peters, Gertrude, 4H	Amarillo	Ratliff, Ernest Charles, 5G	Lubbock
Peters, O. W., 5Ed	Jourdanton	Ratliff, Murl, 5Ed	Lubbock
Petty, Olan, 2G	Gatesville	Ray, Ambrose Duddle, 1S	Cleburne
Pfarr, Louise, 3G	Troup	Ray, Earl R., 3G	Wink
Phegley, Mrs. Blanche C., 1Ed	South Plains	Raybon, Roberta, 1H	Lubbock
		Rayburn, John, 3G	Slaton
Phillips, Audrey, 3G	Slaton	Raymond, Floyd, 1E	Overton
Phillips, Annie, 5G	Decatur	Read, R. M., CS	Plainview
Phillips, Delbert, 2B	Iowa Park	Reader, Mrs. Alice T., 4G	Houston
Phillips, Raymond, 4S	Thalia	Reaves, Mrs. Ruth, 2Ed	Lamesa
Pickell, E. J., CS	Beaumont	Reddell, Marie, 5G	Plainview
Pickett, Agnes, 1G	Post	Redman, Sylvia, 2G	Meadow
Pickett, Lyall, 3G	Post	Redmon, Edward, 4E	Marshall
Pickett, R. C., 3Ed	Nursery	Reed, Deward, CS	Portales, N. Mex.
Pierce, Clive, 5Ed	May	Reed, Feldon, 5G	Charlotte
Pierce, Ernest, 1G	Levelland	Reed, James H., 3E	Lubbock
Pierce, Gladys, 3H	San Saba	Reed, Mary Ellen, 1G	Vernon
Pierce, Williams M., 5S	Collinsville	Reesing, Jewel S., 2Ed	Clifford
Pipkin, Mrs. Edith, HS	Crosbyton	Reeves, E. R., 5 Ed	Jericho
Pittman, Pearl R., 1S	Sweetwater	Reeves, Mrs. Lewis, 4Ed	Jericho
Pittman, Randolph, 2S	Albany	Reeves, Winston, 2E	Plainview
Pittman, Violet, 2Ed	Floydada	Reid, Mrs. Austin, 2Ed	Levelland
Plain, Billie, 4G	Lubbock	Reid, Delene, HS	Clyde
Polk, Jonnie Inez, 2Ed	Lubbock	Reinken, Katherine, 5Ed	Plainview
Pool, Harvie Day, 4A	Lubbock	Renfro, Marvin C., 5B	Kirven
Pool, Juanita, 5G	Lubbock	Reynolds, Margie Faye, 2Ed	Athens
Pool, Phyllis, 4G	Lubbock	Reynolds, Mrs. Mayme, 3Ed	Dickens
Poole, William G., 2S	Dallas	Rhoades, Mrs. Lida, 2G	Snyder
Pope, Bertah, 2B	Lubbock	Rice, Henry W., 5Ed	Throckmorton
Popejoy, Rhea, 1G	Lubbock	Rice, Nannie Beth, 3Ed	Jayton
Popejoy, Ruby Joe, 2G	Lubbock	Rich, Fred T., 2G	Wolfforth
Popnoe, Freda M., 3G	Snyder	Richey, Mrs. Opal, 3Ed	Haskell
Porter, Tom, 3A	Dickens	Richey, W. L., 3S	Haskell
Poteet, Mrs. Gibbons, 5G	Lubbock	Riddel, Roy, 2S	Lubbock
Potter, Ione, 1G	White Deer	Rider, Oma, 3H	DeLeon
Potter, Nora, 1S	Brandon	Riemer, Mathilde, 4Ed	Spearman
Potts, Golda, 3Ed	Lubbock	Riethmayer, L. C., 5G	Lamesa
Powell, Frances D., 1H	Santa Anna	Riley, Elsie, 1G	Hart
Powell, Jeanette, 1Ed	Oglesby	Riley, Roy, 5Ed	Lubbock
Powell, Mrs. Rose, 2Ed	Wellington	Roach, Mary, 5Ed	Rising Star
Powell, St. Elmo, 3S	Memphis	Robbins, Ora Mae, 5G	Childress
Power, Mrs. Mary A., 1Ed	Lubbock	Roberts, Frank L., 3B	Perryton
Power, Sylvester, 2G	Lubbock	Roberts, G. M., 4Ed	Lamesa
Pratas, George A., 4B	Breckenridge	Roberts, Howard, 2B	Anson
Pribble, Foy, 2A	Hamlin	Roberts, Jesse L., 2Ed	Caradon
Price, Howard, 4G	Lubbock	Roberts, Jimmie, 3G	Lubbock



Roberts, Julia Grace, 1H	Lubbock	Shephard, Cardia Mae, 2Ed	Brownfield
Roberts, Margaruite, 2G	Post	Sheridan, Beulah, 3Ed	Matador
Roberts, Stiles M., 5S	Lubbock	Sheriff, Etha, 2G	Farwell
Robertson, Margaret C., 5Ed	Lubbock	Sheriff, Velna, 3H	Farwell
Robinson, Adelaide, 3Ed	Corsicana	Sherill, Margaret, 3B	Seagraves
Robinson, Mrs. F. A., 3B	Wink	Shields, Nelda, 2G	Crosbyton
Robinson, Roy, 1E	Lubbock	Shinn, Mrs. John C., 4G	Plainview
Robinson, Waunita, HS	Albany	Shipman, Lawrence, 3A	Fluvanna
Robison, Polk, 4G	Sparta	Shipp, Susie, 3Ed	Lubbock
Roe, Gertie, 3S	Brownfield	Shoemaker, Clara, 5H	Colorado
Rogers, Faye, 3G	Levelland	Shomette, Mrs. Clara, 3G	San Antonio
Rogers, Jesse, 4S	Houston	Short, Eddie L., 4Ed	Lubbock
Roper, Ruth M., 5H	Hobbs, N. Mex.	Short, Nina Ruth, 2G	Meadow
Rose, Glenn, 1E	Roaring Springs	Shuler, Emma C., 1Ed	Snyder
Rose, Jessie Mae, 3H	Ropesville	Shuttlesworth, Anna Jewel, 3G	Sudan
Rose, Katherine, 3H	McAdoo	Shuttlesworth, M., 2S	Sudan
Ross, Samette, 2B	Plainview	Sides, Mildred, 3Ed	Ballinger
Roswell, Ethel Eliz., HS	Anson	Sides, R. F., 2Ed	Hurlwood
Royalty, Marion, 4E	Lubbock	Sills, Ethel, 5Ed	Shive
Royer, Mrs. Sine, 3S	Lubbock	Simkins, Jewell, 4G	Ralls
Rundell, Rocky, CS	Hobbs	Simmons, Dottie, 2Ed	Girard
Rushing, Cecil M., 2E	Plainview	Simmons, Henry, 2G	Girard
Russell, Dee, CS	Victoria	Simms, Mrs. Billie J., HS	Lubbock
Russell, H. N., CS	Ft. Worth	Simpson, Chile Lee, 5A	Denton
Russell, Mrs. Mary S., 2Ed	Robert Lee	Simpson, Lida Faye, 5G	Lubbock
Rutherford, Marie, 2G	Brownfield	Sims, Aulsie R., 2G	Personville
Rutledge, David, 3G	Ft. Worth	Sims, Lucille, 2Ed	Post
Ryan, Mrs. Omaha, 3Ed	Snyder	Skeen, Maude Dee, 5Ed	Lubbock
Safley, Robert, CS	Belton	Skeen, Mrs. S. E., 2G	Lubbock
Sandefur, Mrs. Maggie, 2S	Flomot	Skinner, George, 1E	Lubbock
Sanders, Gladys, 4H	Sweetwater	Slaughter, Leona, 2G	Sudan
Sanders, O. L., 5Ed	Lorenzo	Slemmons, Velma, 3Ed	Abernathy
Sanders, Mrs. O. L., 3G	Lorenzo	Sloan, Evelyn, 2Ed	Crowell
Sanderson, John R., 2G	Itasca	Slone, Nelta, 3Ed	Waco
Sargent, Elvy G., 2A	Hico	Slough, Julia, 2G	Wellington
Savage, Mrs. Ivy G., 3S	Brownfield	Smith, Mrs. Alice L., 4G	Lubbock
Savage, Ivy G., 3Ed	Brownfield	Smith, Mrs. Ben V., 2Ed	Lubbock
Scharnberg, Curtis, 3A	Lubbock	Smith, B. T., 2S	Tahoka
Schulz, Eula Dora, 5G	Mexia	Smith, Chester, 2G	Slaton
Scoggin Mrs. Carl, 1Ed	Lubbock	Smith, Ellen M., 1G	Ralls
Scoggin, Mack, 2B	Lubbock	Smith, E. M., CS	Mobile, Ala.
Scott, Edward L., 3G	Georgetown	Smith, Esther, HS	Tahoka
Scott, Elmore, 2G	Daingerfield	Smith, Eula Dean, 2H	Crane
Scott, Mabel Clare, 2Ed	Childress	Smith, Mrs. Frank, 2G	Crosbyton
Scott, Mary, 2G	Lubbock	Smith, Grace, 2Ed	Lubbock
Scott, Mrs. Mary, 3Ed	Daingerfield	Smith, Harvey, TB	Lubbock
Scott, Oceola, 1B	Claude	Smith, Helen, 3G	Childress
Scudder, Doris, 2H	Graford	Smith, Howard B., 1G	De Ridder, La.
Seale, Lela, 3Ed	Lorenzo	Smith, Hubert, 3G	Winnsboro
Secrest, Clara, 4Ed	Hamilton	Smith, Ima, 2Ed	Ralls
Self, Adelaide, 2G	Quitague	Smith, Ina G., 3Ed	Wichita Falls
Senterfitte, Fannie Beth, 1S	San Saba	Smith, James A., 1G	Lamesa
Sessions, Farris, 2G	Kerens	Smith, J. B., 2G	Portales, N. Mex.
Sessions, H. A., 3Ed	Kalgary	Smith, J. H., 2B	Big Spring
Sessions, Mrs. H. A., 2Ed	Kalgary	Smith, J. L., 1E	Crane
Settle, L. Edwin, 3Ed	Lubbock	Smith, John C., 5Ed	Big Sandy
Settle, Mrs. Rosa, 2G	Lubbock	Smith, J. P., 4A	Littlefield
Shaffer, Miss Clifford, 3Ed	Sudan	Smith, Mrs. Jewel P., 3S	Lubbock
Shannon, Carrie, 5G	Levelland	Smith, Lillamaie, 1Ed	Tahoka
Shannon, Katherine, 2G	Levelland	Smith, Louise, 1H	Meadow
Sharpe, Frances Marie, 2B	Cameron	Smith, Mabel E., 5Ed	Valley Spring
Shaw, Arvil B., 3A	Weatherford	Smith, Marjorie, 2G	Rotan
Shaw, Mrs. Arvil B., 3H	Kirkland	Smith, Newton C., 1G	Amarillo
Shaw, Christine, 4H	Crosbyton	Smith, Nora Leona, 3H	Throckmorton
Shaw, Myrtle M., 4G	Littlefield	Smith, Paul, CS	Levelland
Shelton, Lonnie B., 1Ed	Sanco	Smith, Pleas O., 2Ed	Bula
Shelton, Ouida, 3G	Rotan	Smith, Mrs. Pleas O., 2Ed	Bula
		Smith, Wyleta, 1G	Roaring Springs

Smithson, Mrs. Fay E., 2G	Stanton	Stuart, Mrs. Ralph, 3Ed	Lamesa
Smoot, Hattie, 3Ed	White Deer	Stublefield, Mrs. B. W., 1Ed	
Sneed, Alton, 3S	Lubbock		Levelland
Sneed, Mrs. Eula, 2Ed	Lubbock	Sturgeon, Oleta, 3G	Lubbock
Snell, Mary Irene, 1G	Lubbock	Styker, Roy T., 1B	Lubbock
Snider, Jonnie Katherine, 1H	Lubbock	Suits, Jeane, 2G	Lockney
Snider, Montez, 2H	Lubbock	Sukel, Mrs. George R., 1E	El Paso
Snodgrass, Mrs. Paul, 1Ed	Bonham	Sullivan, John B., 5Ed	Hamilton
Snyder, Frances, 3B	Lubbock	Sullivan, Verna Mae, 2H	Wolfforth
Snyder, Laura, 5G	Moran	Sumner, Charles, 1E	Lubbock
Sodd, Jacob, 1E	Lubbock	Sumner, Pauline, 5G	Idalou
Sowder, Ima Lee, 1H	Idalou	Swafford, Mildred F., 3G	Slaton
Spann, Jake, CS	Enid, Okla.	Swann, Lloyd, 1B	Wilson
Spears, Otis, 1G	Tahoka	Swan, W. F., 5G	Mt. Pleasant
Spencer, James, 4E	Athens	Swanzy, Mrs. Mae, 3H	Adalou
Spencer, J. L., 3G	Flomot	Swanzy, W. R., 5Ed	Idalou
Spencer, Mrs. J. L., 3H	Flomot	Sweet, Arthur, CS	Mangum, Okla.
Spence, Mrs. Vada W., 3G	Lubbock	Sweepston, Winona, 3H	Tulia
Spikes, Mrs. Addie L., 4G	Lubbock	Swope, Lea, 3Ed	Killeen
Sprawls, Murl, 2G	Cisco	Tabor, Agnes, 3G	Durant, Okla.
Spurlock, Brooksey, 2G	Richland Springs	Talbert, Hilda Ingram, 1B	Paducah
		Tankersley, Hattie, 2Ed	Colorado
Spykes, Virginia, 3G	Hermleigh	Tankersley, J. R., 3G	Brownfield
Spykes, Weta, 2G	Hermleigh	Tarrance, Leta, 2Ed	Lubbock
Stahler, Robert, 2S	Lubbock	Tarter, Charline, 2Ed	Fluvanna
Stallings, Kathryn, 4G	Post	Tarter, Cleo W., 5Ed	Durm
Stallings, Lois, 4G	Slaton	Tate, Garvin, 2S	Sherman
Stallworth, D. W., CS	Quanah	Tate, G. D., 3Ed	Lockney
Stalnaker, Margaret K., 3H	Lubbock	Tate, Vera May, 3G	Lubbock
Stamps, Roberta, 3G	Sherman	Taylor, B. R., 5Ed	Farwell
Stanard, Floy, 2B	Pampa	Taylor, Clarice, 3Ed	Paducah
Standefor, Gertrude, 2Ed	Meridian	Taylor, Evelyn, 3G	Clovis, N. Mex.
Stanford, Harvey G., 4G	Mataador	Taylor, Gene, CS	Brownwood
Stanton, Mrs. Frances, 5H	Bogata	Taylor, Haskell, 2B	Girard
Stark, Betty Faye, 1H	Seminole	Taylor, Mrs. J. Curtis, 3G	Muleshoe
Stark, Florence, 2B	Lubbock	Taylor, Mary Polly, HS	Rogers
Stark, Guy, Jr., 5G	Dunn	Taylor, Mrs. Muriel, 3G	Olton
Starnes, Beulah, 2Ed	Lubbock	Taylor, Wilton M., 3B	Childress
Starr, L. C., CS	Lisbon, La.	Taylor, W. Robert, 3S	Hermleigh
St Clair, Donald W., 5S	Lubbock	Teague, Myrtle, 2G	Slaton
Steele, Roberta, 3H	Levelland	Teal, Bill, 3B	Littlefield
Steen, Alfred B., 5Ed	Graham	Terrell, Bryon, 3B	Lubbock
Stephens, Olene, 2G	O'Donnell	Terrell, R. P., CS	Floydada
Stevens, Bill, CS	Levelland	Terrell, Nina Beth, 3Ed	DeLeon
Stevens, C. Roy, 5Ed	Muleshoe	Terry, Estelle, 2G	Trent
Stevens, LaVern, 2A	Littlefield	Thacker, Elizabeth, 2Ed	Petersburg
Stevens, Sarah Lou, 3Ed	Coleman	Thacker, Vera, 2G	Petersburg
Stevens, Thelma L., 5G	Muleshoe	Thomas, Carlton, 2G	Blum
Stevenson, Mrs. W. P., 5G	Amarillo	Thomas, Mrs. Charles, 3Ed	Lubbock
Stewart, Anice, 2H	Lubbock	Thomas, George, 1S	Lubbock
Stewart, Bonnye, 3Ed	Crosbyton	Thomas, Marvin R., 3Ed	Ft. Stockton
Stewart, Frances, 3Ed	Lubbock	Thomas, Raye, 2Ed	Graham
Stewart, Thomas H., 5S	Lubbock	Thompson, Audrey, 5Ed	Hereford
Stiff, Ray, 2E	Lubbock	Thompson, Ben, 2E	Lubbock
Stobaugh, Gene, 1B	Lorenzo	Thompson, Claude J., 2S	Lubbock
Stokes, Erma, 3Ed	Lubbock	Thompson, Edward, 1G	Lubbock
Stone, Christine, 5B	Canadian	Thompson, Gwendolyn, 4G	Lubbock
Stone, Elise, 3Ed	Sudan	Thompson, Jean Isabel, 1Ed	Lubbock
Stone, G. G., CS	Denver, Colo.	Thompson, Leova IG Portales, N. Mex.	
Strawn, Horace, 2A	Littlefield	Thompson, Ruth Anna, 5H	Lubbock
Street, Bill, 2G	Littlefield	Thomson, William L., 3S	Stephenville
Street, Mrs. Verna, 2Ed	O'Donnell	Thurman, Stella K., 4Ed	Lubbock
Strickel, Mrs. Maida, 2G	Slaton	Tidwell, Loraine, HS	Iredell
Strickland, J. D., 5A	Silverton	Tilger, Orville, 2B	Meadow
Strickling, Jerry, 2B	McKinney	Tindel, Z. T., 2Ed	Chandler
Stringer, Verlena, 4G	Vernon	Tinsley, Jane, 2B	Lubbock
Strnod, Angela, HS	Taylor	Tippitt, Linnie Inez, 2Ed	Tahoka
Stuart, Bettie, HS	Wilson	Tipps, Bob, 5G	McCahey
Stuart, Olivette, 3G	Lufkin	Tisdell, Mildred, 1G	Petersburg



Tittle, Clarine, HS	Commerce	Wardlaw, Louise, 2Ed	Ballinger
Toliver, Mary Katherine, 2G	Pecos	Ware, Mrs. M. E., 2G	Lubbock
Tompkin, Bennie, CS	Brownsboro	Warren, J. Irvin, 5Ed	Amherst
Toribio, Edwin, 1G	New Orleans, La.	Warren, Mrs. J. L., 2G	Lamesa
Touchstone, Lorene, 3G	Teague	Waters, G. Dallas, 3G	Wellington
Townsend, George, 3A	Lubbock	Watkins, Donley E., 3S	Meadow
Tracy, Robert, 3G	Houston	Watkins, Ira, 4G	Meadow
Travis, C. E., CS	Tulsa, Okla.	Watkins, Orville, 3G	Meadow
Trees, J. H., CS	Delkalb, Ill.	Watson, Mrs. Audean, 3Ed	Kirkland
Trigg, C. H., CS	Dallas	Watson, Mrs. B. M., 3Ed	Eldorado
Trott, Willie, 3G	Dallas	Watson, Bennie, 3Ed	Eldorado
Trotter, Marie, 4Ed	Lubbock	Watson, Dimple, 3Ed	Turkey
Trow, Elsie, 2Ed	Lubbock	Watson, Jonnye, 3Ed	Hermleigh
Tubbs, Billie, 2S	Lubbock	Watson, K. D., 3G	Lamesa
Tucker, L. W., 3S	O'Donnell	Watson, Lula Ted, 5B	Turkey
Tucker, Louise, 5G	Roswell, N. Mex.	Watson, Mrs. Marie, 3G	Colorado
Tudor, Mrs. Nan, 2Ed	Slaton	Watson, Melba, 3G	Lubbock
Tudor, Tommie Irene, 2Ed	Matador	Watson, Opal, 1Ed	Kirkland
Tumlinson, Edna, 3H	Amherst	Watson, T. G., Jr., 2B	Mart
Turner, Carrie Bell, 1G	Lubbock	Watts, Willie Clayton, 5Ed	Lubbock
Turner, Edna, 2H	Abilene	Weatherford, Helen, 1H	Lubbock
Turner, J. F., 2E	Santa Anna	Weathers, G. B., 4G	Marlin
Turner, Lacy, 5G	Claude	Weaver, Eddie, CS	Cordell, Okla.
Turney, Irl Houston, 5Ed	Claude	Weaver, Enna Joe, 2G	Jonesboro
Turney, J. C., 2Ed	Lubbock	Weaver, Mrs. Hildred, 5G	Weatherford
Turney, Mrs. J. C., 2Ed	Lubbock	Webb, Doris J., 5G	Eastland
Tyer, Ruth, 3B	Bogata	Webb, Holmes, 5G	Ackerly
Tynes, Rex, 2E	Hereford	Webb, Joe, 4G	Hamlin
Tyson, Elizabeth, 2H	Cross Plains	Webb, Mrs. Joe, 3Ed	Hamlin
		Webb, M. W., 3G	Abernathy
		Webb, Wayne, 2Ed	Ackerly
		Weddington, Eva Hyder, 3Ed	Hale Center
Vandagriff, Dorothy, 3G	Lubbock		
Vandam, Irwin, CS	Bakersville, Calif.	Weddle, Charles, 3A	Bonham
Vanderford, Chrystal, 2G	Shield	Weed, Ola Mae, 5H	Abilene
Van Meter, Marjorie, 3G	McAdoo	Weimhold, Forrest H., 2G	Sudan
Van Meter, Maurine, 4G	Decatur	Weimhold, Frances, 3H	Sudan
Vardeman, Marie, 2H	Richland Springs	Weiss, Edgel, 1G	Plainview
Vaughan, Alton, 1G	Peacock	Weiss, Evelyn, 2G	Plainview
Vaughn, Edward D., 2S	Lubbock	Wells, Mrs. B. C., 4Ed	Lubbock
Vaughn, Robert, 2E	Victoria	Wells, Mary Alma, 5G	Lubbock
Vernon, Ethel, 2H	Hermleigh	Wells, Redus, 5A	Seagraves
Vernon, F. F., 2S	Spur	Welty, Othel, 1G	Lamesa
Voss, Geneva, 3G	Post	West, Annabelle, 1G	Wellington
Vowell, Lois, 2Ed	Robert Lee	West, Earline, 2Ed	Baird
		West, Robert Neal, 3Ed	Wellington
Wade, Bessie Helen, 3Ed	Water Valley	Wester, Mrs. K. James, 1Ed	Lubbock
Wade, Lois, 2B	Snyder	Wester, Virginia, 2A	Las Vegas, N. M.
Waggoner, Woodrow, 4E	Ranger	Westmoreland, Georgia, 2Ed	Matador
Wagner, Charlie M., 3S	Amherst	Whaley, Marguerite, 2G	Estelline
Waldrup, L. B., 3S	Tahoka	Wharton, Ina Belle, 3H	Littlefield
Waldrup, Lorene, 2G	Post	Wheat, Joe Ben, 1G	Van Horn
Walker, Burnice, 1G	Littlefield	Wheeler, Lucile, 2G	Tahoka
Walker, Harold, CS	Memphis	Whitaker, Naomia, 3G	Littlefield
Walker, James E., 1E	Lubbock	Whitaker, Robert B., 3B	Jayton
Walker, Katie, 4B	Conroe	White, Mrs. A. O., 1G	Spur
Walker, Lee, CS	St. Jo	White, Forest, 2G	Cleburne
Walker, Merle, 2H	Britton	White, Harold A., CS	Salida, Colo.
Walker, Olive, HS	Sherman	White, Helen, 3H	Sudan
Wallace, Ernest, 5G	Hughes Springs	White, Horace E., 3Ed	Meadow
Wallace, Grady, 3G	Polar	White, Jesse Ray, 2G	Brownwood
Waller, Ray L., 4S	Dawson	White, Mrs. Lenora, 2G	Lubbock
Waller, Mrs. Ray L., 5G	Dawson	White, Mrs. Lola, 2Ed	Aberdeen
Walls, Jewell, 1H	Palo Pinto	White, Mildred, 1G	Granbury
Walser, Mrs. Nell, 1H	Lubbock	White, Rachel, 3H	Dodsonville
Walters, Edna, 1G	Tahoka	White, Sam, 2E	Aberdeen
Walters, Marquis, CS	Jasper	White, Ted, CS	Ozona
Wand, James F., 5G	Lubbock	Whiteman, Bernadine, 3G	Brady
Ward, Winnelle, 4H	Lubbock	Whitlock, Edith, 3Ed	Lubbock
Wardell, Richard H., 3S	Avery		

Whitlock, Eldora, 2H	Lubbock	Wilson, Theodore, 1Ed	
Whitmire, Jerome, 5G	Swenson		Oklahoma City, Okla
Whitmire, Willie Mae, 5Ed	Swenson	Wilson, Woodrow, CS	Louisville, Miss.
Wicker, Ardell, 2G	Slaton	Wimberley, Russell E., 3G	Lubbock
Wilhelm, Mrs. D. J., 3Ed	Lubbock	Windwehen, Mozelle, 3G	Plainview
Wilhelm, Paul, 2Ed	Lamesa	Winford, Ernestine, 1B	Ferris
Wilhite, Genelle, 5G	Lubbock	Winfred, Edwina, 1H	Ralls
Willite, Mrs. James G., 3G	Slaton	Winn, H. R., 3E	Commerce
Wilkins, Neva Neal, 4B	Lubbock	Winston, Mac, 3G	Lubbock
Wilkins, Paul Eugene, 3A	Floyd, N. M.	Winston, Stella, 2H	Lubbock
Williams, Authala, 3S	Brownwood	Wisdom, John E., 5S	Claude
Williams, Bonnie, 2Ed	Lamesa	Wisdom, John H., 1B	Lubbock
Williams, Curtis J., 5Ed	Anton	Wisdom, W. C., CS	Stephenville
Williams, Everett, 2G	Roby	Wisener, W. C., CS	Wills
SUMER SCHOOL 1934	11	Withers, Mrs. Gertrude V., 3G	
Williams, Faye, 5G	Lubbock		Sweetwater
Williams, Johnie, 3G	Mullin	Witt, I. R., 5Ed	Post
Williams, Marvin, 3Ed	Jayton	Wolf, R. B., CS	Fort Worth
Williams, Mrs. Maudie, 2Ed		Wolfe, Cecil, 2B	Spur
	Roaring Springs	Wolffarth, Donald E., 2E	Lubbock
Williams, Nancy M., 1G	Lubbock	Wood, N. E., 4Ed	Lubbock
Williams, Reba Wayne, 2G	Lubbock	Wood, Mrs. N. E., 5Ed	Lubbock
Williams, Rankin, CS		Wood, Ruby Payne, 5H	Lamesa
	Weatherford, Okla.	Woodward, Leila, 5G	Abilene
Williams, Mrs. Sarah L., 2G		Woodruff, Peggy Jane, 2G	Lubbock
	Nuangola, Pa.	Woodruff, J. W., 1Ed	Anson
Williams, Mrs. Stella, 5H	Van Horn	Woodward, Horace E., 3G	Shallowater
Williamson, Mrs. Cornelia, 3H		Woolam, Maurice O., 5B	Smyer
	Bellvieu, N. Mex.	Woolam, Mrs. Newell N., 3G	Smyer
Williamson, Mrs. Dona, 2G	Freeport	Work, Geneva, 1B	Crosbyton
Williamson, James E., 5Ed	Freeport	Work, Rozelle 5Ed,	Crosbyton
Williamson, J. C., 5S	Lubbock	Worley, Earle, CS	Honey Grove
Williamson, Jewel, 2G	Kirkland	Wright, A. Presley, CS	Childress
Williamson, Lois, 5G	Lubbock	Wright, Alice, 4 Ed	Spur
Williamson, Mildred, 2G	Wolfforth	Wright, Mrs. Grace, 2Ed	Brownfield
Willingham, Amel, 1B	Tahoka	Wulfmann, John, 4E	Lubbock
Willingham, Mrs. Jessie Lee, 3Ed		Wyatt, Grace, 3G	Silver Valley
	Lubbock	Wylie, Painter, 3A	Valley View
Willis, Bonnie, 3H	Wellington		
Willis, J. E., CS	Marshall	Yarborough, Roma, 3Ed	Cisco
Willis, La Verne, 1G	Wink	Yates, Dorris, 5G	Abilene
Willis, Louise, 3H	Wellington	Yoder, Joe, CS	McPherson, Kans.
Willis, Willard, 2G	Ralls	Yost, Maybelle, 1H	Munday
Willman, Katheen, 2H	Mulshoe	Young, Adelaide, 3G	Kerens
Wills, Hood, 2A	Fluvanna	Young, Jesse, 5A	Cotulla
Wills, Olive, 2G	Fluvanna	Young, L. D., 2Ed	Jonesboro
Wilson, Dorothy, 5G	Lubbock	Young, Leslie, 3G	Lubbock
Wilson, Georgia P., 4G	Gruver	Young, Thomas, 4E	Lubbock
Wilson, Mrs. Oran G., 1G	Lubbock	Youngblood, Qubelle, 3Ed	Sudan
Wilson, Thomas Edward, 1A	Lubbock		
Wilson, Frank Pierce, 5Ed	Gruver	Zachry, Mrs. Dan H., 4G	Spur
Wilson, Jane Douglas, 2G	Lubbock	Zachry, Willie Fae, 3G	Ryan, Okla.
Wilson, Mannie, 5G	Weslaco	Zimmerman, Fred, 3B	Floydada
Wilson, Raymond, 3Ed	Wellington	Zorns, Bruce, 4E	Meadow

## APPENDIX

Act of the State Legislature establishing the Texas Technological College, Senate Bill, 103, Thirty-Eighth Legislature, 1923.

An Act to establish a State College in Texas, west of the ninety-eighth (98th) meridian and north of the twenty-ninth (29th) parallel, to be known as the Texas Technological College; providing for the location of such College; its government; the control of its finances; defining its leading objects and prescribing generally the nature and scope of instruction to be given; conferring upon the Board of Directors of said College the rights of eminent domain; making the necessary appropriation for the purchase of land, the location, establishing and maintenance of said College and declaring an emergency.

**Be it enacted by the Legislature of the State of Texas:**

Section 1. There shall be established in this State a College for white students, to be known as the Texas Technological College, said College to be located north of the twenty-ninth (29th) parallel, and west of the ninety-eighth (98th) meridian, and shall be a co-educational College giving thorough instruction in technology and textile engineering from which a student may reach the highest degree of education along the lines of manufacturing cotton, wool, leather and other raw material produced in Texas, including all branches of textile engineering, the chemistry of materials, the technique of weaving, dyeing, tanning, and the doing of any and all other things necessary for the manufacture of raw materials into finished products; and said College shall also have complete courses in the arts and sciences, physical, social, political pure and applied, such as are taught in colleges of the first class leading to the degrees of Bachelor of Science, Bachelor of Arts, Bachelor of Literature, Bachelor of Technology, and any and all other degrees given by colleges of the first class; said college being designated to elevate the ideals, enrich the lives and increase the capacity of the people for democratic self-government and particularly to give instruction in technological, manufacturing, and agricultural pursuits, and domestic husbandry and home economics, so that the boys and girls of this State may attain their highest usefulness and greatest happiness and in so doing may prepare themselves for producing from the State its greatest possible wealth.

Sec. 2. The government, control and direction of the policies of said Technological College shall be vested in a board of nine (9) directors to be appointed by the Governor, who shall hold office for a period of six (6) years, said board of nine (9) directors to be so divided that the terms of three (3) directors shall expire every two years and it shall be the duty of the Governor, in making the appointment of the first board of directors, to indicate in his appointment the name of the director whose term shall expire in two (2) years, the name of the director whose term shall expire in four (4) years, and the name of the director whose term shall expire in six (6) years; all of said directors to hold their office until their successors are qualified, unless a removal is made by the Governor for inefficiency or inattention to their duties as members of such board.

The board of directors of the Texas Technological College shall provide a president therefor, who shall devote his entire time to the executive management of said school and who shall be directly accountable to the board of directors for the conduct thereof.

Sec. 3. In addition to the courses provided in technology and textile engineering, the said Texas Technological College shall offer the usual college courses given in standard senior colleges of the first class, and shall be empowered to confer appropriate degrees to be determined by the board of directors and shall offer four-year courses, two-year courses, or short-term courses in farm and ranch husbandry and economics and the chemistry of soils and the adaptation of farm crops to the peculiar soil, climate and con-

dition of that portion of the State in which the college is located, and such other courses and degrees as the board of directors may see fit to provide as a means of supplying the educational facilities necessary for this section of the State, and it shall be the duty of the board of directors to furnish such assistance to the faculty and students of said college as will enable them to do original research work and to apply the latest and most approved method of manufacturing and, in general, to afford the facilities of the college for the purpose of originating, developing, supporting, and maintaining all of these agencies (physical, mental and moral) for the development of the physical, mental and moral welfare of the students who attend the college and for the further purpose of developing the material resources of the State to their highest point of value and usefulness by teaching the arts of commerce and manufacturing. All male students attending this college shall be required to receive such instruction in military science and tactics as the board of directors may prescribe which shall, at all times, comply in full with the requirements of the United States Government now given as a prerequisite to any aid now extended or hereafter to be extended by the Government of the United States to State institutions of this character and all such white male students shall, during their attendance at such college, be subject to such military discipline and control as the board of directors may prescribe.

Sec. 4. The chairman of the State Board of Control and the State Superintendent of Public Instruction, the President of the University of Texas, the President of the College of Industrial Arts of Texas, and the President of the Agricultural and Mechanical College of Texas shall constitute a board charged with the responsibility for the location of the Texas Technological College, a majority of whom shall be authorized to act under the terms of this bill in the location of said school; said board being restricted in the choice of location to the area mentioned in Section 1 of this act and as soon after the passage and approval of this act as practical, said locating board shall make careful investigation of proposed sites for the said institution. Consideration shall be given to climatic conditions, supply of water, accessibility and such other matters as may appropriately enter into the selection of the desirable location of an institution of this kind. It is further provided that the said locating board shall not be influenced to any degree in the determination of its selection of a location by offers and promises of bonuses and gifts, directly or indirectly, to the State of Texas, as a consideration for the location of said college at any particular places but a primary consideration which shall outweigh all others in the minds of the members of the locating board, shall be to locate this college where it can, in the future render the greatest service to the State and to the section of the United States for which it is especially intended; but this is not to be interpreted to mean that the board of directors shall not have authority to accept gifts of land, money for student loans, permanent improvement or any other objects of value when tendered for the purpose of more completely carrying out the purpose of this act; said gifts to be made after said school is located and established and if a suitable location for said college is offered by any city or community. The lands bought shall be so located that the administration building will be within convenient distance to the residence section of the town where located, or the place where the students reside.

Sec. 5. The said locating board shall have authority to select approximately two thousand (2,000) acres of land for the site of said college and agree with the owner or owners thereof upon the price to be paid thereof, which said agreement shall be reduced to writing, and by the said locating board signed and delivered to the board of directors herein provided for, who shall thereupon have full authority to contract for the purchase of said land for said purpose, and upon the approval of the title thereto by the At-

torney General of the State of Texas, to pay for said land and any improvements thereon in any sum not to exceed one hundred and fifty thousand (\$150,000) dollars.

Sec. 6. It is further provided that, when said locating board has selected a site for said college, it shall be the duty of said board to make a full and **complete report of all details** connected with the selection of the site for the said college to the Governor of the State of Texas. The filing of this report with the Secretary of State shall legally constitute the establishing of the college.

Sec. 7. The board of directors of the said Texas Technological College is hereby vested with the powers of eminent domain to acquire for the use of said college such land as may be necessary for the purpose of carrying out its purpose by condemnation proceedings such as are now provided for railroad companies under the laws of the State of Texas.

Sec. 8. There is hereby appropriated from the general revenue of the State, not otherwise appropriated, the following sums, or so much thereof as may be necessary:

1. Twenty-five hundred (\$2,500) dollars of the available revenue of the State, or so much thereof as may be necessary, to become available upon the passage and approval of this act, for the purpose of paying the expenses of the locating board in determining the location of said institution

2. One hundred and fifty thousand (\$150,000) dollars of the available revenues of this State, or so much thereof as may be necessary, to become available September 1, 1923, for the purchase of the necessary lands for the location and establishment of said school, and any portion of which amount not used for the purchase of lands shall be available for the purposes provided in the following sections thereof.

3. Five hundred thousand (\$500,000) dollars for the fiscal year ending August 31, 1924, for the purpose of providing necessary utilities, machinery, permanent improvements, equipment and buildings for said college.

4. Three hundred and fifty thousand (\$350,000) dollars for the fiscal year ending August 31, 1925, for the purpose of providing necessary utilities, machinery, permanent improvements, equipment and buildings for said college; and

5. In the event any portion of the sums hereby appropriated should not be used for and during the year for which they are hereby appropriated, such sums shall become available for the succeeding year, for the purpose herein provided, and for no other.

Sec. 9. The fact that Texas is producing annually millions of dollars worth of raw materials, which are being shipped to distant factories to be made into finished products, together with the fact that Texas has no adequate institution for teaching technology and the art of textile manufacturing and the fact that the needs of that portion of the State where this college shall be located are inadequately supplied with educational institutions, create an emergency and an imperative public necessity for this act to take effect at once and for the suspension of the constitutional rule requiring bills to be read on three several days, it is therefore enacted that said rule be suspended and this act take effect and be in force on and after its passage.



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