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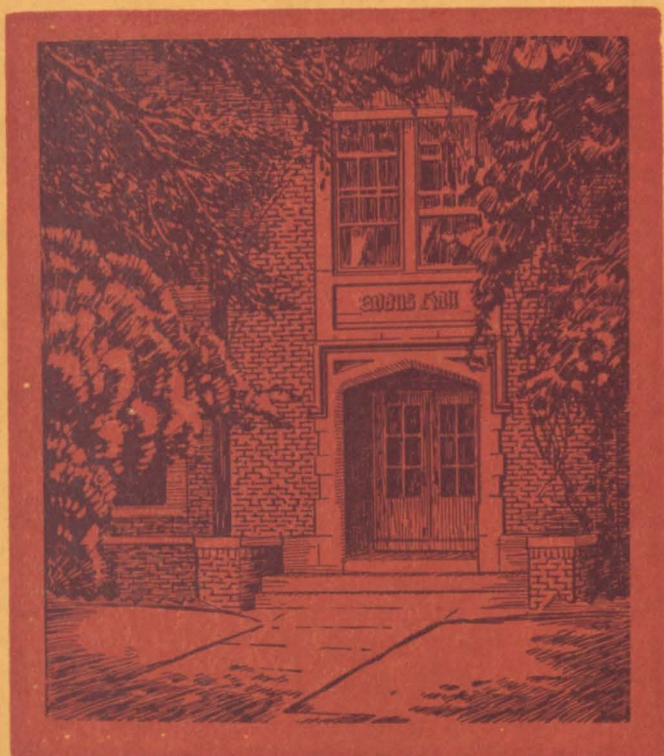
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**BULLETIN OF  
PRAIRIE VIEW AGRICULTURAL AND  
MECHANICAL COLLEGE OF TEXAS  
1951-52**

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**UNDERGRADUATE AND GRADUATE**

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1876

The Seventy-Fifth Year

1951



# BULLETIN OF PRAIRIE VIEW AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS

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VOL. 42

AUGUST 1951

No. 3

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SEVENTY-SECOND CATALOG EDITION

1950-51

WITH ANNOUNCEMENTS FOR

1951-52

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Published quarterly by Prairie View A. & M. College, Prairie View A. & M. College  
Branch, Hempstead, Texas

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Entered as second-class matter at the Post Office at Prairie View A. & M. College  
Branch, Hempstead, Texas, under the Act of August 24, 1912

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BULLETIN OF  
PRAIRIE VIEW AGRICULTURAL AND  
MECHANICAL COLLEGE OF TEXAS

No. 8

AUGUST 1921

VOL. 12

RECOGNITION

*The Institution is recognized as a Class "A" College by the State Department of Education and the Southern Association of Colleges and Secondary Schools. Also it is approved by the American College of Surgeons.*

WITH ANNOUNCEMENTS FOR

1921-22

Published quarterly by Prairie View A. & M. College, Prairie View, A. & M. College, Houston, Texas.  
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Bound by TEXAS BOOK BINDERY, Inc., DALLAS, TEXAS Date.....

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# THE COLLEGE CALENDARS

## SUMMER SESSION—1951

June 4	Registration, First Term
June 5	Classes Begin
July 14	First Term Closes
July 15	Second Term Begins
July 16	Registration, Second Term
July 17	Classes Begin
August 25	Second Term Closes

## REGULAR SESSION—1951-52

September 10-15	Faculty Orientation
September 17-20	Orientation and Registration
September 20	Classes Begin
November 13-14	Mid-semester Examinations
November 22	Thanksgiving Holiday
December 20	Christmas Holidays Begin

## 1952

January 2	Classes Resume
January 21-25	Final Examinations
January 26	First Semester Ends
January 28-29	Registration, Second Semester
January 30	Second Semester, Classes Begin
March 25-26	Mid-semester Examinations
April 21	San Jacinto Day
May 19-23	Final Examinations
May 24	Second Semester Closes

## SUMMER SESSION—1952

June 2	Registration, First Term
June 3	Classes Begin
July 12	First Term Closes
July 14	Registration, Second Term
July 15	Classes Begin
August 23	Second Term Closes

# THE TEXAS AGRICULTURAL AND MECHANICAL COLLEGE SYSTEM

Composed of all colleges, agencies and services under the supervision of the Board of Directors of the Agricultural and Mechanical College of Texas, including:

- THE AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS
- THE ARLINGTON STATE COLLEGE
- THE TARLETON STATE COLLEGE
- THE PRAIRIE VIEW AGRICULTURAL AND MECHANICAL COLLEGE
- THE TEXAS AGRICULTURAL EXPERIMENT STATION
- THE TEXAS AGRICULTURAL EXTENSION SERVICE
- THE TEXAS FOREST SERVICE
- THE TEXAS ENGINEERING EXPERIMENT STATION
- THE TEXAS ENGINEERING EXTENSION SERVICE

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## ADMINISTRATIVE OFFICERS

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D. W. WILLIAMS	.....	<i>Vice Chancellor for Agriculture</i>
E. L. ANGELL	.....	<i>Assistant to the Chancellor and Secretary of the Board</i>
R. H. SHUFFLER	.....	<i>Director of Information and Publications</i>
W. H. HOLZMANN	.....	<i>Comptroller</i>
T. R. SPENCE	.....	<i>Manager of Physical Plants</i>



# PRAIRIE VIEW AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS

## ADMINISTRATIVE OFFICERS

- E. B. EVANS, V.M.D., *President of the College*  
 W. R. BANKS, LL.D., *President Emeritus*  
 J. M. DREW, ED.D., *Dean of Instruction, Dean of Graduate School*  
 T. P. DOOLEY, PH.D., *Dean of School of Arts and Sciences*  
 CLAUDE L. WILSON, M.E., M.S., *Dean of School of Engineering*  
 G. L. SMITH, M.S., *Dean of School of Agriculture*  
 MRS. E. MAY GALLOWAY, M.S., *Dean of School of Home Economics*  
 C. F. CALLOWAY, M.D., *Director of Division of Nursing Education  
and Resident Physician*  
 JONEL LEONARD BROWN, PH.D., *Director of Extramural Services*  
 L. E. SCOTT, B.A., *Director of Student Life*  
 H. E. FULLER, *Dean of Men*  
 R. L. BLAND, M.S., *Dean of Women*  
 HYMAN Y. CHASE, PH.D., *Lieutenant Colonel, Infantry, U.S.A.,  
Commandant, Reserve Officers Training Corps*  
 THOMAS R. SOLOMON, PH.D., *Registrar and Chairman of Admissions*  
 ORESTES J. BAKER, M.L.S., *Librarian*  
 HARVEY R. TURNER, B.S., *Treasurer*  
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## OFFICE OF THE REGISTRAR

- THOMAS R. SOLOMON, PH.D., *Registrar and Chairman of Admissions*  
 LEMMON C. McMILLAN, M.A., *Assistant Registrar*  
 BERNICE B. BROOKS, B.A., *Record, Research and Transcript Clerk*  
 OSBORNE W. STRICKLAND, B.A., B.S., *Secretary and Machine Record Clerk*  
 FRANCILLE L. BRIGGS, B.S., *Receptionist and Secretary to the Registrar*

## FISCAL OFFICE

- HARVEY R. TURNER, B.S., *Treasurer*  
 JAMES E. STAMPS, JR., B.S., *Accountant*  
 LAVAUGHN C. MOSLEY, B.S., *Cashier*  
 MRS. B. B. RICHARDSON, *Assistant Cashier*  
 ROBERT J. HUNT, B.S., *Head Bookkeeper*  
 SAMUEL C. USHER, B.S., *Vouchers and Orders Clerk*  
 ETHEL LAWSON, *Clerk, Tax, Retirement, etc.*  
 J. B. DEBOSE, B.A., *Assistant Bookkeeper*  
 MRS. M.A. LAWSON, *Paying Teller*  
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 FANNIE B. WASHINGTON, *Secretary*  
 BESSIE M. THOMAS, *Stenographer*

## STUDENT PERSONNEL SERVICES

- L. E. SCOTT, B.A., *Director of Student Life*  
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M. F. HARMON, B.A., *Assistant Dean of Men*  
 L. M. HENRY, *Secretary to Deans*  
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 BERTHA R. CHINN, *Secretary to Veterans Counselor and to Director of Athletics*  
 CLARENCE G. BARRENS, *Assistant Military Property Custodian*  
 ROBBIE J. ALLEN, B.S., *Secretary, Military Property*

## RESIDENCE HALLS

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 MRS. C. M. DEAS ..... Evans Hall  
 MRS. C. B. KNIGHTON, B.S. .... Crawford Hall  
 MRS. A. M. JOHNSON, ..... Anderson Hall  
 MRS. WESTERFIELD KIMBLE, B.A. .... Blackshear Hall  
 MRS. NETTIE MAE LEWIS, B.S. .... Suarez Hall

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 MRS. BENNIE L. SHIELDS, B.S. in L.S., *Instructor in Library Service Education*  
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 LENORA Y. BENSON, B.S., *Circulation Assistant*  
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 THOMAS DEBOSE, B.S., *Circulation Assistant*  
 VELMA C. MAYFIELD, *Reference Assistant*  
 DELORES SCOTT, *Secretary*

## HOSPITAL

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 D. B. PHILLIPS, *Superintendent of Nurses*  
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 SOPHIA L. CONLEY, R.N., *Nurse*  
 ARDELIA CULBERSON, R.N. *Nurse*  
 NAOMI V. HARMON, R.N., *Nurse*  
 EVA LOIS MICKENS, M.T., *Medical Technician*  
 EUNICE D. SNOW, *Secretary*

## COLLEGE EXCHANGE

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 ALFRED H. BRAILSFORD, *Assistant Manager*  
 M. L. FREEMAN, B.A., *Secretary*  
 CHRISTINE SMITH, B.S., *Clerk*  
 MRS. JEWELAN WHITTAKER, B.S. *Clerk*

## DINING HALL

J. L. BOYER, JR., M.S., *Manager*  
 C. H. JOHNSON, M.S., *Supervisor, Student Cafeteria*  
 W. J. JACKSON, B.S., *Storeroom Manager*  
 BOBBIE J. PATCH, *Secretary*  
 C. M. MICKENS, *Chef Cook*  
 MADISON KILPATRICK, *Assistant Chef*  
 D. L. HENDERSON, *Head Baker*  
 CLARA E. TORRY, B.S., *Supervisor Faculty Cafeteria*

## UTILITIES AND SERVICES DIVISION

CLAUDE L. WILSON, M.E., M.S., *Director*  
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 FRANCIS G. FRY, B.S., in E.E., *Chief Engineer, Steam Plant*  
 LUTHER FRANCIS, B.S., *Chief Clerk, School of Engineering*  
 JOE JONES, *Fireman, Steam Plant*  
 DOROTHY A. LEE, *Secretary, School of Engineering*  
 MRS. ELLIE A. MATHIS, B.S., *Telephone Operator*  
 MRS. VERA M. ARMSTRONG, B.S., *Telephone Operator*  
 ALFRED RICHARDS, *Engineer, Steam Plant*  
 Q. D. THOMAS, *Engineer, Steam Plant*  
 ELI THOMPSON, *Fireman, Steam Plant*  
 MRS. EDNA TURNER, B.S., *Telephone Operator*  
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 HAROLD G. WASHINGTON, *Cleaning and Pressing*  
 ADDISON I. WATSON, *Engineer, Steam Plant*  
 WILL WEST, *Fireman, Steam Plant*  
 VEIDA N. WILLIAMSON, *Secretary, School of Engineering*

## MAINTENANCE DEPARTMENT

ALVIS A. LEE, *Superintendent of Maintenance*  
 WILLIAM EVANS, *Assistant Superintendent of Maintenance*  
 EDGAR G. HENRY, B.S., *Chief Clerk*  
 QUEEN E. JONES, *Secretary*  
 ISAAC BENNETT, *Head Janitor*  
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 EMMA COLEMAN, *Janitress, Household Arts Building*  
 J. E. DAILEY, B.S., *Electrician*  
 EARLINE DAVIS, *Janitress, Industrial Engineering Building*  
 CECIL DYSON, *Janitor, Science Building*  
 JOHN G. EVANS, SR., *Custodian, Gymnasium*  
 WARREN FREEMAN, *Janitor, Education Building*  
 N. A. JONES, JR., *Head, Transportation Department*  
 W. S. KIDD, *Plumber Repairman*  
 JOHNETTA KING, *Janitress, Gymnasium*  
 MYRTLE SNELL, *Janitress, Agricultural Building*  
 ALMA K. SWAINS, *Janitress, Library*  
 LEO THOMPSON, *Painter*  
 IRA TOMPKINS, *Carpenter Repairman*

# OFFICERS OF INSTRUCTION, 1950-51

(Dates immediately following name indicate when persons were appointed to the faculty.)

- ACKERSON, ALVERNA (1950) ..... *Music*  
 A.B., Univ. of California 1948; Elem. Credential, San Francisco State College 1950.
- ALEXANDER, AARON CHARLES (1950) ..... *Social Science*  
 A.B., Prairie View A. & M. College 1947; M.A., Ohio State University 1950
- ATKINS, GEORGIA MAXINE (1950) ..... *French*  
 A.B., Spelman College 1949; M.A., Middlebury College 1950
- BAILEY, ROBERT ERNEST (1946) ..... *Mechanic Arts*  
 Certificate in Shoemaking, Prairie View College 1922.
- BAIRD, LOIS JEANNE (1950) ..... *English*  
 A.B., Talladega College 1946; M.S., Butler University 1950.
- BAKER, ORESTES J. (1931) ..... *Librarian*  
 A.B., Morehouse College, 1930; B.L.S., Hampton Institute, 1931; M.L.S., Columbia University, 1936.
- BASS, MARSHALL B., 1st Lt., USA (1950) ..... *Assistant Professor of  
 Military Science and Tactics*
- BELL, WILLIE JAMES (1949) ..... *Printing*  
 Certificate in Printing, Prairie View A. & M. College, 1947.
- BLAND, REDA LEE (1943) ..... *Mathematics*  
 B.S., Prairie View College, 1936; M.S., *ibid.*, 1944.
- BRADFORD, MOLLYE KATHRYN (1946) ..... *Home Economics*  
 B.S., Tennessee State College, 1936; M.Ed., Wayne University, 1944.
- BROOKS, GEORGE WILLIAM (1943) ..... *Political Science*  
 B.S., Indiana University, 1941; M.S., *ibid.*, 1942; LL.B., La Salle University, 1947.
- BROWDER, CECIL LORENZO (1950) ..... *Engineering*  
 B.S., University of Kansas, 1950.
- BROWN, JONEL LEONARD (1943) ..... *Head of Department of Economics  
 and Business Administration*  
 A.B., Morehouse College, 1930; M.A., University of Wisconsin, 1941; Ph.D., *ibid.*, 1946.
- BURDINE, DOROTHY I. (1933, 1938) ..... *Education*  
 A.B., A.M., Colorado State College of Education, 1933; University of Denver, Summers 1936, 1942, 1947.
- BURLEY, ROY W., CAPT., INFANTRY USA (1949) ..... *Assistant Professor  
 of Military Science and Tactics*  
 Prairie View College, 1940-1943; Certificate, U. S. Army Information and Education School, 1948; Officers Candidate School, 1944; Graduate Basic Engineering A.S.T.P. Howard University, 1944.
- BURNS, MRS. LILLIE PALEY (1941) ..... *Home Economics*  
 B.S., Prairie View College, 1934; M.S., Kansas State College, 1941; Columbia University, Summer, 1948.
- CALVIN, ALBERT WESLEY (1949) ..... *Mathematics*  
 A.A., Kansas State Teachers, 1942; M.A., Columbia University 1948.
- CAMPBELL, ANNA LUCILLE (1932) ..... *Head, Department of English*  
 A.B., Bradley Polytechnic Institute, 1930; M.A., Northwestern University, 1935; New York University, 1946-1948.
- CARPENTER, CHARLES E. (1925) ..... *French*  
 B.L., University of California, 1901; M.L., *ibid.*, 1908
- CHASE, HYMAN Y., LT. COLONEL, INFANTRY, USA (1950) ..... *Professor  
 of Military Science and Tactics*  
 B.S., Howard University, 1926; M.S., *ibid.*, 1929; Ph.D., Stanford University, 1934. Graduate, Infantry Officers Advanced Course, The Infantry School, Fort Benning, Ga., 1941; Graduate, The Command and General Staff School, Fort Leavenworth, Kansas, 1942.
- CLEAVER, ARTHUR G. (1926) ..... *Broom and Mattress Making*  
 Diploma, Prairie View State College, 1911; Certificate in Broom and Mattress Making and Agriculture, 1911; Tuskegee Institute, Summer 1924.

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- BROWDER, CECIL LORENZO (1950) ..... *Engineering*  
 B.S., University of Kansas, 1950.
- BROWN, JONEL LEONARD (1943) ..... *Head of Department of Economics  
 and Business Administration*  
 A.B., Morehouse College, 1930; M.A., University of Wisconsin, 1941; Ph.D., *ibid.*, 1946.
- BURDINE, DOROTHY I. (1933, 1938) ..... *Education*  
 A.B., A.M., Colorado State College of Education, 1933; University of Denver, Summers 1936, 1942, 1947.
- BURLEY, ROY W., CAPT., INFANTRY USA (1949) ..... *Assistant Professor  
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 Prairie View College, 1940-1943; Certificate, U. S. Army Information and Education School, 1948; Officers Candidate School, 1944; Graduate Basic Engineering A.S.T.P. Howard University, 1944.
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- CALVIN, ALBERT WESLEY (1949) ..... *Mathematics*  
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- CAMPBELL, ANNA LUCILLE (1932) ..... *Head, Department of English*  
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- CLEAVER, ARTHUR G. (1926) ..... *Broom and Mattress Making*  
 Diploma, Prairie View State College, 1911; Certificate in Broom and Mattress Making and Agriculture, 1911; Tuskegee Institute, Summer 1924.

- COLEMAN, ZELIA S. (1947) ..... *Home Economics*  
 B.S. in Ed., Bishop College, 1930; B.S., in H.E., Prairie View College, 1938; M.S., Kansas State College, 1947; University of Wisconsin, Summer, 1948 and 1949.
- COLLINS, SAMUEL ROBERT (1949) ..... *Mechanic Arts*  
 B.S., Prairie View A. & M. College, 1949.
- CORUTHERS, JOHN M. (1937) ..... *Agricultural Economics*  
 B.S., Hampton Institute, 1925; M.S., University of Wisconsin, 1928; Ph.D., Cornell University, 1940.
- COSS, MRS. CARRIE BELL (1946) ..... *Psychology*  
 A.B., Howard University, 1926; B.E., University of Cincinnati, 1927; M.A. Columbia University, 1940.
- CULLINS, ELLA WEBB (1942) ..... *Department of Music*  
 B.A., Philander Smith College, 1940; M.A., Boston University, 1942.
- DAVIS, MALCOLM ADKINS (1943) ..... *English*  
 A.B., Virginia State College, 1936; M.A., New York University, 1939; New York University, 1939-40, 1940-41, Summer 1948. (Residence and Preliminary Comprehensive completed toward Ed.D.)
- DAVIS, ROBERT LEE (1949) ..... *Agriculture*  
 B.S., Virginia State College, 1942; M.S., University of Wisconsin, 1949.
- DAVIS, SAMUEL WALTER (1948) ..... *Education*  
 B.S., Southern Illinois Normal University, 1941; M.S., Loyola University, 1948; University of Chicago, Summer, 1948.
- DEAN, JULIA KITTRELL (1951) ..... *English*  
 A.B., Texas College, 1942; M.S., Prairie View College, 1945.
- DOOLEY, THOMAS P. (1934) ..... *Dean of School of Arts and Sciences*  
 B.A., Morehouse College, 1927; M.S., University of Iowa, 1931; Ph.D. *ibid.*, 1939.
- DREW, JESSE MONROE (1943) ..... *Dean of College, Director of Graduate Study*  
 B.S., Lincoln University, 1929; M.S., Kansas University, 1939; Ed.D., Harvard University, 1944.
- ELLIS, MRS. DELIA MAE (1947) ..... *Home Economics*  
 B.S., 1935; M.S., 1945, Prairie View College; University of California, summer 1946.
- ELLISON, JOSEPH EMMETT (1946) ..... *Education and Physics*  
 A.B., Fisk University, 1910; M.A., University of Michigan, 1946.
- ENGRAM, LEWIS W. (1948) ..... *Agriculture*  
 B.S., Hampton Institute, 1940; M.S., Michigan State College, 1946.
- FARRELL, HENRIETTA (1927) ..... *Laundry*  
 B.S., in Home Economics, Prairie View A. & M. College.
- FICKLING, MARY ELLEN (1950) ..... *Physical Education*  
 B.S., Fisk University, 1944; M.A., Columbia University, 1950
- FOREMAN, PEARL E. (1942) ..... *Home Economics*  
 A.B., Howard University, 1935; B.S., Columbia University, 1938; M.A., *ibid.*, 1939; University of California at Los Angeles, 1946.
- FREEMAN, W. D. JR. (1951) ..... *Mathematics*  
 B.S., Hampton Institute, 1948; New York University, 1949.
- GALLOWAY, MRS. ELIZABETH C. MAY (1932) ..... *Dean of School of Home Economics*  
 B.S., Kansas State College, Summer, 1919; M.S., *ibid.*, 1933; University of Chicago, 1930; University of Minnesota, 1938-39.
- GARETT, CONNALLY SHELTON (1948) ..... *Music*  
 B.A., Prairie View State College, 1943; M. Music, New England Conservatory of Music, 1948; Harvard University, Summer, 1949.
- GOULD, MIRIAM INEZ (1950) ..... *Education*  
 B.S., Virginia State College, 1944; School of Museum of Fine Arts, 1948, 1949, 1950.
- GRAHAM, FREDERICK MITCHELL (1950) ..... *Engineering*  
 B.S., Iowa State College, 1948; M.S., Iowa State College, 1950.
- GRAY, GRANT SYLVESTER (1950) ..... *Physical Education*  
 A.B., Kentucky State College, 1946; M.A., Ohio State University, 1947; Indiana University, 1949.
- GREUX, AUSTIN E. (1951) ..... *Engineering*  
 B.A., The Catholic University of America, 1950, *ibid.*, 1950, *ibid.*, 1951.
- GUINN, EDWARD W. (1948) ..... *Chemistry*  
 B.S., Prairie View State College, 1945; Howard University, 1947-48.
- HALL, JULIA KATHRYN (1948) ..... *Home Economics*  
 B.S., Morgan State College, 1942; M.A., New York University, 1948; New York University, Summer 1948.

- HALL, WALTER JACKSON (1950) ..... *Engineering*  
 B.S., Kansas State Teachers College, 1940; University of Arizona, 1943; Kansas State Teachers College, 1949-50.
- HARDEMAN, ELBERT (1950) ..... *English*  
 B.S., Bradley University, 1949; M.A., Bradley University, 1950.
- HERNDON, DANIEL NORRIS (1946) ..... *Engineering*  
 B.S., Prairie View State College, 1939.
- HENDERSON, FRANK (1950) ..... *Biology*  
 B.S., Knoxville College, 1944; M.A., New York University, 1947, *ibid*, 1949-50.
- HIGH, EDWARD GARFIELD (1946) ..... *Chemistry*  
 A.B., 1940; A.M., 1941; Ph.D., 1949; Indiana University.
- HILL, JESSIE LEON (1945) ..... *Tailoring*  
 B.S., Prairie View College, 1940.
- HORNER, REUBEN L., MAJOR, INFANTRY, USA, (1950) ..... *Assistant Professor of Military Science and Tactics*  
 University of Arizona, 1932-34; The Infantry School, Fort Benning, Ga., 1942; Officers' Refresher Course, Sonthophen, Germany, 1946; Transportation Corps Training Center, Hammelburg, Germany, 1947; EUCOM Infantry Training Center, Kitzingen, Germany, 1949.
- HOUSTON, HASKELL S. (1942) ..... *Drawing and Drafting*  
 B.S., Prairie View College, 1933; Polytechnic Institute of Brooklyn, Summer, 1948.
- HOWELL, VERNER KARL (1951) ..... *Education*  
 B.S., Indiana State Teachers College, 1929; M.S., *ibid*, 1945.
- IRVING, MATTIE LYLES (1948) ..... *Business Administration*  
 B.S., Tennessee State Teachers College, 1935; M.A., Columbia University, 1948.
- JACKSON, CLARENCE WESLEY (1949) ..... *Education*  
 A.B., Southern University, 1939; M.S., University of Southern California, 1947; *ibid*, 1948-49.
- JAMES, LEE BANNER (1947) ..... *Industrial Education*  
 B.S., Lincoln University, 1939; M.S., Wayne University, 1944.
- JOHNSON, EDWARD J. (1927) ..... *Auto Mechanics*  
 Certificate in Auto Mechanics, Prairie View College, 1919.
- JOHNSON, EVERETT BERTRAM (1950) ..... *Printing*  
 B.S., Hampton Institute, 1950; *ibid*, Summer, 1950
- JOLLIE, WILLIAM JONES (1949) ..... *Engineering*  
 Trade Certificate, Hampton Institute, 1930; Trade Certificate, R. T. Coles Trade School, 1925.
- JONES, HERMAN T. (1947) ..... *Natural Science*  
 A.B., University of Kansas, 1931; A.M., *ibid*, 1933; *ibid* 1946.
- JONES, N. A. ..... *Auto Mechanics and Machine Shop Practice*  
 1920, 1929, 1933, Kansas State Teachers College.
- KING, JIMMIE JR. (1949) ..... *Business Administration*  
 B.S., Langston University, 1947; Walton School of Commerce, 1947; University of Nebraska, 1947-48.
- LANE, RUTHCELIA I. (1944) ..... *Home Economics, Clothing*  
 A.B., Fisk University, 1939; M.A., Columbia University, 1944; Pratt Institute, 1943.
- LEVISTER, ELZAR DYUO (1950) ..... *Music*  
 A.B., Knoxville College, 1947; New York College of Music, 1947.
- MCKINNIS, HUGH L. (1950) ..... *Physical Education*  
 B.S., Indiana University, 1949; M.S., *ibid*, 1950.
- MCNEELEY, LIGGETT (1948) ..... *Engineering*  
 Certificate in Shoe Repairing, Prairie View A. & M. College, 1948.
- MARTIN, AUDRAN KENT (1949) ..... *Mathematics*  
 B.S., Kentucky State College; M.S., Wayne University, 1949.
- MARTIN, DANIEL W. (1919) ..... *Electricity*  
 B.S., Mechanic Arts, Prairie View College, 1928; Kansas State Teachers College, Summer 1933; Prairie View College, Summers 1940-41.
- MARTIN, LEON W. (1949) ..... *Engineering*  
 Certificate in Brickmasonry, 1947.
- MARTIN, MAXINE (1950) ..... *Spanish*  
 B.A., Mexico City College, 1950.
- MILLER, CLEOPHAS WILTHROX (1950) ..... *Engineering*  
 B.S., Howard University, 1950; E.E., Howard University, 1950.
- MINOR, CHARLES BYRON (1950) ..... *English*  
 A.B., The University of Chicago, 1943; A.M., DePaul University, 1950.



- MITCHELL, LUTHER J. (1950) ..... *Engineering*  
 B.S., Prairie View A. & M. College, 1950.
- MOORE, BRADLEY GEORGE (1949) ..... *Music*  
 B.S., Alabama State Teachers College, 1936; M.A., Ohio State University, 1949.
- MORGAN, JOHN PHILLIP (1950) ..... *Agriculture*  
 B.S., Prairie View A. & M. College, 1950.
- NICHOLAS, CHARLES HAWKINS (1943) ..... *Chairman of Biology Section,  
 Natural Science Department*  
 A.B., Talladega College, 1930; M.S., University of Michigan, 1939; Columbia University, Summer, 1934; Atlanta University Workshop, Summer, 1941; Chicago University, Summer 1947, 1947-48 and Summer 1948.
- NICKS, WILLIAM JAMES (1945) ..... *Head, Department of  
 Physical Education*  
 A.B., Morris Brown College, 1928; M.A., Columbia University, 1941.
- NORRIS, ERNEST MISHEAL (1927-28, 1937-45, 1946) ..... *Agriculture*  
 B.S., Prairie View State College, 1927; M.S., Cornell University, 1931; Ph.D., *ibid*, 1934.
- O'BANION, ELMER E. (1939) ..... *Head, Department of Natural Sciences*  
 A.B., Indiana University, 1934; M.A., 1935, Ph.D., *ibid*, 1942.
- OUTLAW, RUTH EVANGELINE (1950) ..... *Education*  
 B.S., Howard University, 1949; M.A., University of Chicago, 1950.
- PANKEY, ELDRIDGE T., CAPTAIN, INFANTRY, USA, (1950) ..... *Assistant  
 Professor of Military Science and Tactics*  
 B.S., Virginia State College, 1939; Graduate, Infantry Officers' Candidate School, Fort Benning Ga., 1942.
- PARKER, GRACE HAYNES (1950) ..... *English*  
 A.B., Talladega College, 1928; M.A., Atlanta University, 1946.
- PERKINS, LEE E. (1945) ..... *Social Science*  
 B.A., Prairie View A. & M. College, 1936; University of Michigan, 1941.
- PHILLIP, LEE C. (1932) ..... *Social Science, College Chaplain*  
 B.S., Prairie View State College, 1928; B.D., Howard University, 1931; Union Theological Seminary, 1931-32; M.A., Howard University, 1939.
- PHILLIPS, JAMES EDWARD (1949) ..... *Social Science*  
 B.S., Indiana University, 1947; M.A., Columbia University, 1949.
- PHILLIPS, DAISY BELLE (1943) ..... *Nursing Education*  
 Diploma in Nursing Education, Prairie View A. & M. College, 1938; Margaret Hague Maternity Hospital, 1946.
- PIERSON, HELEN GERALDINE (1949) ..... *Music*  
 B.M., Kansas University, 1945; Kansas University, 1945-46; Juilliard School of Music 1948-49.
- POINDEXTER, ALFRED N. (1945) ..... *Veterinary Medicine*  
 D.V.M., Kansas State College, 1945.
- PORTER, THADDEUS GILMORE (1949) ..... *Engineering*
- PRATT, EMMA THERESA MAE (1943, 1946) ..... *Home Economics*  
 B.S., Prairie View College, 1935; M.F.A., University of Colorado, 1946.
- PRESTON, ANNIE C. (1933-44, 1945) ..... *Education*  
 B.S., Virginia State College, 1931; M.A., Columbia University, 1932, 1938-39.
- RANDALL, ALBERT W. (1923) ..... *Head, Department of Mathematics*  
 B.S., Alcorn A. & M. College, 1916; A.M., University of Colorado, 1929; Summers, 1937, 1940.
- RANDALL, JAMES A. (1948) ..... *Sociology*  
 B.A., University of Michigan, 1947; M.A., *ibid*, 1949.
- RAWLS, JOHN CADMUS (1950) ..... *Economics*  
 B.S., A. & T. College, 1948; M.A., University of Iowa; 1950.
- RAYFORD, ROBERT WILLIE (1950) ..... *Engineering*  
 B.S., Prairie View A. & M. College, 1947; M.S., *ibid*, 1949.
- REEVES, GEORGE W. (1930) ..... *Education*  
 A.B., Atlanta University, 1924; A.M., University of Michigan, 1932; *ibid*, Summer, 1938; North Carolina College for Negroes Workshop, Summer, 1942; University of Chicago, Summer 1945.
- RILEY, GEORGE EMERSON (1950) ..... *Biology*  
 A.B., Syracuse University, 1949; M.A., Oberlin College, 1950.
- ROSS, JOHN R. (1945) ..... *Agriculture*  
 B.S., Virginia State College, 1936; M.S., Cornell University, 1945; *ibid*, 1949-50.

- SALLEE, GLADYSE LORRAINE (1949) ..... *Physical Education*  
 B.S., Tennessee A. & I. State College, 1946; M.A., University of Michigan, 1948.
- SAMUEL, WILLIAM A. (1945) ..... *Chemistry*  
 B.S., Johnson C. Smith University, 1933; M.S., Atlanta University, 1940; *ibid*, Summers, 1942, 1943; Ohio State University, 1948-49 and Summer, 1949.
- SHEEN, EDWIN DRUMMOND (1943) ..... *English*  
 A.B., James Millikin University, 1925; M.A., University of Illinois, 1927; University of Chicago, 1929, 1936-37, Summer 1938, Summer 1942, 1946-47; Northwestern University, Summers, 1930-31; University of Illinois, 1947-48, Summer 1948.
- SHIELDS, MRS. BENNLE L. J. (1946) ..... *Library Science Education*  
 B.A., Prairie View College, 1941; B.S. in L.S., University of Denver, 1947.
- SINGLETARY, JAMES DANIEL (1950) ..... *Education*  
 B.S., New York State College for Teachers, 1944; A.M., The University of Chicago, 1946; Fh.D., The University of Chicago, 1950.
- SMITH, GEORGE L. (1931) ..... *Dean, School of Agriculture and Superintendent of Agricultural Experiment Station*  
 B.S., Hampton Institute, 1929; M.S., Kansas State College, 1941; *ibid*, 1940-41.
- SMITH, OLIVER EMMIT (1949) ..... *Agriculture*  
 B.S., Prairie View A. & M. College, 1947; M.S., University of Nebraska, 1949.
- SOLOMON, THOMAS R. (1939) ..... *Head, Department of History, Philosophy and Political Science*  
 A.B., Wayne University, 1929; M.S., *ibid*, 1933; Ph.D., University of Michigan, 1939.
- SPALDING, SYDNEY W. (1944) ..... *English*  
 A.B., Eureka College, 1929; A.M., University of Illinois, 1930; University of Michigan, 1933-34, 1937-39.
- STEVENS, JAMES A. (1947) ..... *Physical Education, Director of Athletics*  
 B.S., Kansas State Teachers College, 1929; M.S., University of Southern California, 1947; *ibid*, 1947.
- STICKNEY, WILLIAM H. (1945) ..... *Printing*  
 Diploma and Certificate in Printing, Alabama Agricultural and Mechanical Institute, 1924; Mergenthaler Linotype School, Summer, 1925; Colorado State College, Summer, 1931; Carnegie Institute of Technology, Summer, 1933; *ibid*, year 1934-35.
- THOMAS, ALVIN IGNACE (1949) ..... *Engineering*  
 B.S., Kansas State Teachers College, 1948; M.S., *ibid*, 1949.
- THOMAS, JESSIE IRVIN, JR. (1949) ..... *Health Education*  
 B.S., Prairie View A. & M. College, 1948; M.S., North Carolina College, 1949.
- THOMAS, OSCAR J. (1938) ..... *Itinerant Teacher Trainer*  
 B.S., Prairie View State College, 1926; M.S., Prairie View College, 1945; Cornell University, Summers 1946 and 1948.
- THOMAS, RICHARD GARLAND (1950) ..... *Physics*  
 B.S., Hampton Institute, 1943; M.A., Columbia University, 1950.
- THOMPSON, WARDELL D. (1944) ..... *Agriculture*  
 B.S., in Agriculture, Prairie View State College, 1940; M.S., *ibid*, 1946; Cornell University, Summers 1946 and 1948.
- TOLSON, MELVIN BEAUNORUS, JR. (1946) ..... *Romance Languages*  
 B.S., Wiley College, 1942; B.D., Gammon Theological Seminary, 1946.
- VON CHARLTON, RUDOLPH EVERETT (1942) ..... *Head, Department of Music*  
 B.S., in Music, Hampton Institute, 1931; M.Mus., University of Michigan, 1939; Ph.D., Columbia University, 1948.
- WASHINGTON, HAROLD G. (1947) ..... *Dry Cleaning*  
 Certificate, C. C. Hubbard School of Dry Cleaning.
- WELLS, VERNON (1950) ..... *Physical Education*  
 B.S., Tillotson College, 1946; M.S., University of Southern California, 1948.
- WHEADON, EDWINA OFFUTT (1942) ..... *English*  
 A.B., Kentucky State College, 1940; M.A., Indiana University, 1942.
- WILLIAMS, JOHN CALVIN (1940) ..... *Agriculture*  
 B.S., Hampton Institute, 1932; M.S., Kansas State College, 1940; *ibid*, 1948-49 and Summer 1949.
- WILLIAMS, LLOYD KENNETH (1949) ..... *Mathematics*  
 B.A., University of California, 1948; M.A., University of California, 1949.
- WILSON, CLAUD L. (1925) ..... *Dean, School of Engineering*  
 B.S., Mechanical Engineering, Kansas State College, 1925; M.E., *ibid*, 1929; M.S., *ibid*, 1933.
- WILSON, JESSE M. (1931) ..... *Tailoring*  
 Certificate in Tailoring, Tuskegee Institute, 1927; Certificate in Designing, Master Designer's School of Designing, 1934; B.S., Kansas State Teachers College, 1941.

- WOOD, CURTIS ALEXANDER (1947) ..... *Health Education and  
Office of Information*  
A.B., Knoxville College, 1938; M.A., Columbia University, 1946.
- WOODS, JOHNNIE J. (1945) ..... *Agriculture*  
B.S., Prairie View State College, 1938; Prairie View State College, 1944; M.S.,  
Kansas State College, 1948.
- WOOLFOLK, GEORGE RUBLE (1943) ..... *History*  
A.B., Louisville Municipal College, 1937; M.A., Ohio State University, 1938; Ph.D.,  
University of Wisconsin, 1947.
- WRIGHT, THERESA GWENDOLYN (1949) ..... *Music*  
B.A., Xavier University, 1943; Juilliard School of Music 1943-44, 1945-46, 1946-47.
- YARBROUGH, DEAN SCRUGGS (1949) ..... *Sociology*  
B.A., Miles College, 1923; M.H., Springfield College, 1925; M.A., University of Pitts-  
burg, 1926; Ph.D., *ibid*, 1934.

### OTHER OFFICERS AND ASSISTANTS

- PIERCE ANDERSON, *Instructor in Metal Work*
- WINTHROP J. BOULWARE, B.S., *Master Sergeant, U. S. A., Instructor,  
Department of Military Science*
- MERTON E. BROWN, *Sergeant First Class, U. S. A., Instructor—Clerk,  
Department of Military Science*
- MRS. HORTENSE BRYANT, *Dietician, Hospital*
- CLAUD CLARK, *Landscape and Upkeep of Grounds*
- MRS. EVA MIMS FIELDS, B.S., *Secretary, Agriculture Education Office*
- ALPHINE H. FREEMAN, *Master Sergeant, U. S. A., Supply NCO, Depart-  
ment of Military Science*
- NAOMI GOODLOE, *Secretary*
- JAMES O. HILL, *Sergeant First Class, U. S. A., Instructor—Maintenance  
NCO, Department of Military Science*
- EZRA L. HENDERSON, *Secretary, Office of the President*
- MRS. GERTHA MAE MUNSON, *Secretary to Dean of School of Home Eco-  
nomics*
- MARY E. MOORE, *Certificate, Secretary, School of Arts and Sciences*
- MRS. LUBERTA D. MURPHY, *Maid, Hospital*
- CASSIE NICKERSON, B.A., *Secretary to State Itinerant Teacher in Voca-  
tional Home Economics*
- JAMES OAKS, *Janitor, Hospital*
- LEON H. O'NEAL, *Sergeant First Class, Clerk, Department of Military  
Science*
- HAROLD A. PERKINS, B.S., *Superintendent of Grounds*
- MRS. LOIS BROWN PENDERGRAFF, M.S., *State Itinerant Teacher in Voca-  
tional Home Economics*
- OSCAR PIPKINS, *Night Watchman*
- MRS. AMIE RICHARDS, *Ward Maid, Hospital*
- MRS. SUSIE ROBINSON, *Secretary to Superintendent of Agriculture Ex-  
periment Station*
- ETHEL M. SENEGAL, *Secretarial Certificate, Secretary, Office of Dean of  
Instruction*
- LEVESTER SMITH, B.S., *Laboratory Supervisor and Keeper of Storeroom  
in Natural Science Department*
- JOHN W. STEWART, *Master Sergeant, U. S. A., Instructor—Motor NCO,  
Department of Military Science*
- AARON V. THOMAS, *Sergeant First Class, U. S. A., Maintenance NCO,  
Department of Military Science*

LULA M. TURMAN, Secretarial Certificate, *Secretary, School of Agriculture*

MRS. MABEL WELLS, *Ward Maid, Hospital*

MAYE RUTH WILLIAMS, B.S., *Assistant to Manager of Snack Bar*

## GRADUATE FELLOWS FOR THE YEAR 1950-1951

JOHNNIE M. BROOKINS—Tyler, B.S., in Home Econ., Prairie View A. & M. College, 1945

CONNIE M. BROWN, B.S., in Biology, Prairie View A. & M. College, 1949

LILLIE M. DAVIS, B.S., in Home Econ., Prairie View A. & M. College, 1950

HASKO V. ELLIS, B.S., in Agriculture, Langston University, 1939

HAROLD KING, B.S., in Mathematics, Samuel Huston, 1950

D. W. MARTIN, JR., B.S., in Industrial Educ., Prairie View A. & M. College, 1948

WILLIE MITCHELL, B.S., in Biology, Prairie View A. & M. College, 1949

JOHN P. MORGAN, B.S., in Agric., Prairie View A. & M. College, 1950

CLIFFORD J. POLLARD, B.S., in Chem., Prairie View A. & M. College, 1950

## COOPERATIVE EXTENSION SERVICE

Prairie View A. & M. College has as one of its division, Agricultural Extension Service. The headquarters of this division is located on the campus of the college. At the present time 98 county agents are working in 59 counties. The functions of this department are to give agricultural and home making information to rural people who are not attending college and to encourage application of this information.

### HEADQUARTERS STAFF

W. C. DAVID	<i>State Leader</i>
Normal Graduate in Agriculture, Prairie View State Normal and Industrial College, 1917; B.S. in Pharmacy, Howard University, 1924; Prairie View State College, Summers, 1939, 1941.	
MARSHALL V. BROWN	<i>Administrative Assistant</i>
B.S. in Agriculture, 1931. Prairie View State College, Summers 1941, 1942; <i>ibid</i> , 1942-43.	
MRS. PAULINE R. BROWN	<i>Supervisor of Negro Home Demonstration Work and District Home Demonstration Agent</i>
B.S. in Home Economics, Prairie View State College, 1931; M.S., <i>ibid</i> , 1949.	
HENRY S. ESTELLE	<i>District Agent</i>
B.S., in Agriculture, Prairie View State College, 1932; <i>ibid</i> , 1938-39, 1939-40, 1942-43, Summers, 1939, 1941-42.	
MRS. EZELE M. GREGORY	<i>District Home Demonstration Agent</i>
B.S. in Home Economics, Prairie View State College, 1938.	
MYRTLE E. GARRETT	<i>District Home Demonstration Agent</i>
B.S. in Home Economics, Prairie View State College, 1938.	
J. V. SMITH	<i>District Agent</i>
Normal Graduate in Agriculture, 1912, Prairie View State College; <i>ibid</i> , Summers, 1929, 1937, 1939, 1940.	
JOHN E. MAYO	<i>District Agent</i>
Normal Graduate in Agriculture, 1912, Prairie View State College; <i>ibid</i> , Summer, 1929, 1930, 1941.	
GRAYCE E. DANIELS	<i>Extension Secretary</i>
MAURICE CARTER	<i>Extension Secretary</i>
EASTER D. JOHNSON	<i>Extension Secretary</i>

## ALUMNI ACTIVITIES

## OFFICERS OF THE ASSOCIATION

W. MARION DAVIS

*President*

RAY HARRISON

*First Vice-President*

L. U. MASON

*Second Vice-President*

L. C. MOSLEY

*Executive Secretary*

JESSIE ROBERTSON

*Secretary*

A. W. McDONALD

*Treasurer*

EDGAR HENRY

*Editor*

## BOARD OF DIRECTORS

E. M. NORRIS, Prairie View

*Chairman*

I. T. HUNTER, Tyler

MRS. LULA WHITE, Houston

T. L. HOLLEY, San Antonio

MRS. MABLE KILPATRICK, Houston

C. B. BUNKLEY, Dallas

J. R. FARRIS, Mexia

The Alumni and Ex-Students Association is functioning under a constitution which was revised in May 1950 and a State Charter issued in November 1950. The association was organized in 1901 and includes in its membership both graduates and former students. The voting privilege is restricted to those who have paid their dues and are classified as active members. Election of officers is held in the fall by ballot at the homecoming meeting. The association has as its main objective a program of cooperation with the College Administration for the constant improvement of Prairie View A. & M. College.

The association sponsors, and has encouraged, the organization of local clubs throughout the state and in many of the large cities throughout the country. It is now in the process of revitalizing its program and reconstructing a live file of potential members to enable a greater contact with graduates and former students. Present plans include the raising of funds to establish the office of a full time executive secretary. The office of the alumni association located in the Administration Building acts as a central clearing agency for all alumni business.

## GUIDANCE CENTER

The original Prairie View Guidance Center was established in December 1946 by the Veterans Administration, Regional Office, Houston, Texas. As of June 1949, the Guidance Center began to function as a service agency supported by funds granted to Prairie View A. & M. College by the State of Texas.

The facility offers its services to veterans and non-veterans (men and women) who are in need of assistance in selecting a vocational objective.

In determining a suitable vocational objective for the client the counselor and the client utilize information obtained from (1) The interview, (2) the client's vocational experiences, (3) data obtained from objective tests (which attempt to ascertain the student's assets and limitations scientifically), (4) scholastic achievement, and (5) proper evaluation and interpretation of all data obtained (subjective and ob-

jective) by the client and the counselor in determining the most suitable vocational objective for the counselee.

The ultimate objective of the counseling process is to assist the student to gain insight into his personal problems (regardless of nature); hence enabling him to make more objective self-analysis concerning the final action that is to be taken.

All persons seeking the service of the Guidance Center should contact the counselor.

## PURPOSE

Three separate and distinct functions of Prairie View A. & M. College are clearly set forth in State and Federal acts for its establishment and support.

First is a normal school for the preparation and training of colored teachers.

Second is a four-year college offering liberal arts and scientific curricula.

Third is the Negro Land Grant College of Texas, providing opportunities for training in Agriculture, Home Economics, Engineering and related branches of learning.

In addition, the institution offers training in health education so that it may give to the state professionally trained nurses and provide opportunities for observation and practice to newly graduated students of medical colleges.

Prairie View A. & M. College attempts to serve the colored citizens of Texas at the points of their greatest needs and endeavors to bring the student training into closer relationship with life's occupations.

The central theme of the philosophy of the institution is that education must have the objective of making a worthwhile life and a respectable living.

## INSTITUTIONAL ORGANIZATION

The institution is organized for instruction into six major divisions as follows:

The School of Agriculture

The School of Arts and Sciences

The School of Home Economics

The School of Engineering

The Division of Nursing Education

The Graduate School

## HISTORY

The Fifteenth Legislature of the State of Texas met in the year 1838. One of the aims of that legislature provided for the establishment of "An Agricultural and Mechanical College" for Negro citizens to be located in Waller County. L. M. Minor was elected first teacher of the school (A. H. Vesta Agricultural College). He served in this capacity from 1838 to 1878. In the first year of his incumbency a legislative act provided for reorganizing the institution and transferring it to the State of Texas. The act provided that the school should be known as "Prairie View A. & M. College" and that it should be located at Prairie View, Texas.

# GENERAL INFORMATION

## LOCATION

Prairie View A. & M. College is located in Waller County, forty-six miles northwest of Houston. Daily trains and buses discharge passengers at the Prairie View Station. Taxi service is available to and from the station.

## PURPOSE

Three separate and distinct functions of Prairie View A. & M. College are clearly set forth in State and Federal acts for its establishment and support.

*First.* It is a normal school for the preparation and training of colored teachers.

*Second.* It is a four-year college offering liberal arts and scientific curricula.

*Third.* It is the Negro Land Grant College of Texas, providing opportunities for training in Agriculture, Home Economics, Engineering and related branches of learning.

In addition, the institution offers training in health education so that it may give to the state professionally trained nurses and provide opportunities for observation and practice to newly graduated students of medical colleges.

Prairie View A. & M. College attempts to serve the colored citizens of Texas at the points of their greatest needs and endeavors to bring the students' training into closer relationship with life's occupations.

The central theme of the philosophy of the institution is that education must have the objective of making a worthwhile life and a respectable living.

## INSTRUCTIONAL ORGANIZATION

The institution is organized for instruction into six major divisions as follows:

- The School of Agriculture
- The School of Arts and Sciences
- The School of Home Economics
- The School of Engineering
- The Division of Nursing Education
- The Graduate School

## HISTORY

The Fifteenth Legislature of the State of Texas met in the year 1876. One of the acts of that Legislature provided for the establishment of "An Agricultural and Mechanical College" for Negro citizens to be located in Waller County. L. M. Minor was elected first teacher of the school (Alta Vista Agricultural College). He served in this capacity from 1878 to 1879. In the last year of his principalship a legislative act provided for reorgani-

zation of the college and made funds available for the training of public school teachers therein. The second principal, E. H. Anderson, served from 1879 to 1884; and L. C. Anderson, the third principal, held the position for the next twelve years. The gray stone Administration Building, whose architectural design was widely admired, was erected in 1889, and the Old Agriculture Building was erected in 1890.

For the next nineteen years, E. L. Blackshear served "Prairie View Normal" as principal. During his administration, significant growth was made in the curriculum and the plant. In 1899 the name became "Prairie View State Normal and Industrial College," and the new name indicated the enlargement of the curriculum. A four-year college course was authorized by the State Legislature in session in 1901. Among additions to the plant were two dormitories for men, Foster Hall (1909) and Luckie Hall (1909); a dormitory for women, Crawford Hall (1912); and a combination Auditorium-Dining Hall building (1911).

I. M. Terrell, the fifth principal, held the position during the war years 1915-1918. Despite the world conflict, the school plant expanded widely to accommodate mechanic and household arts; a Household Arts building, the Power and Ice Plant, and the Laundry were erected in 1916; and in 1918 Spence Building for the Division of Agriculture was erected.

The sixth principal of Prairie View was Dr. J. G. Osborne, whose tenure lasted from 1918 to 1925. Six buildings were added to the College in 1924 and 1925. The Veterinary Hospital, the Science Building, the College Exchange, the Elementary Training School, a Home Economics Practice Cottage, and a Music Conservatory.

In 1926 W. R. Banks became the seventh principal of Prairie View. He served until August 31, 1947, at which time he became Principal Emeritus. He held the position longer than any of his predecessors. Prairie View developed along several lines in the past decade and a half. The physical plant doubled its size by adding six buildings valued at more than \$100,000.00 each. The Dining Hall and the Hospital, three apartment houses for men teachers, three dormitories for women, a green house, an incubator house, a classroom building, a new Auditorium-Gymnasium, a new Mechanic Arts Building, and over sixty cottages for college families were additions to the physical plant.

One of the significant studies of the period was an exhaustive examination of the objectives and purposes of Prairie View in 1933-34. Out of this study emerged Principal Banks' most often quoted statement: "Prairie View College must serve the State of Texas at the points of her greatest needs." The establishment of the Prairie View Conference of Education in 1931 is an important event in the history of the College. In the years that the Conference has met, Prairie View has been host to educators, ministers, doctors, business men and women, housewives, social workers, and farmers.

In the establishment of the Division of Graduate Study in 1937 Prairie View College added another page to its expanding history.

In 1936 the first buildings were built to house the N.Y.A. resident center, a new chapter in Vocational Training for youth was opened. The project was enlarged and made a training center for Negro men in critical occupations for support of the war effort. The men filled positions as welders, mechanics, pipe fitters, machine operators, and moulders in ship yards, foundries, and machine shops all over the nation. The project



terminated in July, 1943. The facilities are now being used for vocational trade courses.

In July, 1943, a training unit of the Army Specialized Training Program was established with a maximum strength of 200 trainees enrolled in BE-1 Curriculum.

In 1943, when the Forty-eighth Legislature met in January, it appropriated \$160,000.00 for the erection of a Library Building. This amount was supplemented by \$20,000.00 for equipment and books.

The Forty-ninth Legislature (1947) passed the bill making Prairie View a university to offer as the need arises all courses offered at the University of Texas.

Mr. Banks was succeeded on September 1, 1947, by Dr. E. B. Evans, who became the eighth principal of Prairie View.

The Fiftieth Legislature of the State of Texas changed the name of the school from Prairie View University to Prairie View Agricultural and Mechanical College of Texas. The Governor signed this Legislation February 27, 1947. It provides for the offering of courses in agriculture, the mechanic arts, engineering, and the natural sciences connected therewith, together with any other courses authorized at Prairie View at the time of the passage of this act all of which shall be equivalent to those offered at the Agricultural and Mechanical College of Texas.

In March of 1947 the old Academic Building which housed the principal administrative offices was completely destroyed by fire. The Fiftieth Texas Legislature which was then in session made an emergency appropriation of \$300,000.00 for the erection of the present Administration Building which was completed in March of 1949.

The title of the Principal was changed to Dean by the Board of Directors and became effective during the 1947-1948 school year. On September 1, 1948 the title of Dean was changed to President and on December 3, 1948, E. B. Evans, the eighth principal, was inaugurated as the first president of Prairie View Agricultural and Mechanical College of Texas.

The divisions of Agriculture, Arts and Sciences, Home Economics and Mechanic Arts were changed to School of Agriculture, School of Arts and Sciences, School of Home Economics, and School of Engineering effective September 1, 1950. The directors of the respective schools were named deans to become effective at the same time.

A new girls' dormitory was completed in September 1950 at a cost of \$350,000.00. This dormitory was named for the late Dean of Women, Miss M. E. Suarez. It houses 247 seniors and has facilities for recreational and social entertainment.

### THE W. R. BANKS LIBRARY

The Library named in honor of the former chief executive, is located between Evans and Luckie halls, just north of the new Administration Building. It has a book capacity of some 100,000 volumes and study space for some 600 students simultaneously. Its beautiful, convenient, and comfortable study places include the Reserve Reading Room, Reference Service Room, and Graduate Study Room. Conference rooms are available on the basement floor for group study. Recreational reading may be done in the well appointed Popular Reading Room and the artistic tastes of students are fostered in Exposition Hall and the Art Room.

The various collections consist of well selected books, periodicals, micro-films, films, records, and other study materials for reference, collateral, cultural, and recreational reading and for research purposes.

To secure the greatest benefit from the services made available to readers in the Library each reader must become acquainted with the library rules and regulations and should seek timely guidance from the qualified members of the library staff.

To facilitate effective use of the Library the staff of the Research Center offers an orientation course in Library methods to Freshmen and new students during the first six or eight weeks of each new school year. All who fall within these two groups are urged to cooperate fully in this undertaking.

## EXTRA-CURRICULAR ACTIVITIES

### *Religious Influences*

While no particular denominational influence is exerted at Prairie View A. & M. College, the authorities of the institution are thoroughly committed to the belief that religious training benefits the student. A chaplain has charge of the religious activities which include Sunday School, Morning Worship, and Vesper Services.

The Young Men's Christian Association and the Young Women's Christian Association supply, in a large measure, spiritual and moral guidance to the men and women students.

### *Student Organizations*

Sixty student organizations are in operation on the campus. They are: *Home Town Clubs* (where ten or more students are from the same town); *Departmental or Divisional Clubs*: New Farmers of America, New Home Makers of Texas, Mechanic Arts Club, Spanish-French Club, Scientific Society (Beta Pi Chi), Graduate Students Club, Business Administration and Social Science Club, History, Political Science and Philosophy Club; Charles Gilpin Dramatic Club; *Religious*: Y.M.C.A., Y.W.C.A., Sunday School, Usher Board, Catholic Club. *Dormitory Clubs*: E. B. Evans Adelpian Society.

### *Athletics*

The Department of Athletics sponsors the following major varsity sports for men: football, basketball, track, tennis and baseball. The varsity program for women includes basketball, track and tennis.

The intramural sports program, conducted for all students, includes boxing, football, basketball, baseball, tennis, track, softball and volley ball. Each student is expected to participate in at least one intramural sport.

Athletes from Prairie View have been competitors in national and international athletic events.

Prairie View A. & M. College is a member of the Southwest Athletic Conference.

## AWARDS AND PRIZES

Prizes and awards are made for accomplishments in various fields of endeavor throughout the College. They are sometimes monetary in

nature and sometimes in the form of keys, cups, pins, or insignia. A short description of them is given below.

**HARRISON-VALIEN SCHOLARSHIP PRIZE.** A cash award presented to the graduating senior who has maintained the highest scholastic average over the four-year period.

**L. O. JONES PRIZE.** An award presented each year to the outstanding student in drafting.

**PRAIRIE VIEW HOSPITAL STAFF AWARD.** An award presented to the best all-round student of Junior Classification in the Division of Nursing Education.

**T. K. LAWLESS AWARD.** A cash award to the graduating senior who, during four years at Prairie View A. & M. College, has made the most outstanding contributions to the institution.

**ALEXANDER SUNDAY SCHOOL AWARD.** A cash award of \$50.00 for tuition to the student who, during the school year, has made an outstanding or noteworthy contribution to the Sunday School program. The student should have at least an average grade point average and be in need of financial assistance.

### VOCATIONAL REHABILITATION

The State Board for Vocational Education, through the Vocational Rehabilitation Division, offers assistance for tuition to students who have certain physical disabilities, provided the vocational objective selected by the disabled person has been approved by a representative of the Division. Application for Vocational Rehabilitation assistance should be made to the nearest rehabilitation office or to the Director of Vocational Rehabilitation, 302 Walton Building, Austin, Texas.

### LOAN FUNDS

Prairie View A. & M. College has five loan funds available to students:

1. The Hogg Memorial Loan Fund of \$25,000.00, was given to Prairie View by the late W. C. Hogg, in the year of 1936. The interest from this fund is available for loans to students. At present the amount available for loans is in excess of \$5,000.00.
2. The Abner Davis Memorial Loan Fund was established in 1937 by the students at Prairie View in memory of Abner Davis, who died in 1930 from injuries received in a football game between Prairie View College and Texas College. The fund has grown each year from the proceeds of the Miss Prairie View contest. At present \$3,000.00 are available for loans to students.
3. The Church Banks Loan Fund was established in 1938, by the students who were taking vocational agriculture under Church Banks at the time of his accidental death. This loan is available to seniors in Agriculture. The amount available for loans is \$136.00.
4. The Class of 1927 left a loan fund of \$53.15.
5. The Prairie View Club of Los Angeles, California, donated \$52.50 for student loans.

Students desiring loans should make inquiries at the Fiscal office and the Director of Student Personnel. In all cases loans are made with the indorsement of some member of the college staff.

### THE MARY GIBBS JONES AND JESSE H. JONES SCHOLARSHIP PRIZES

Mr. and Mrs. Jesse H. Jones of Houston, Texas, made available to Prairie View \$25,000.00 for a scholarship fund in Home Economics and \$25,000.00 for a scholarship fund in Agriculture. Students who are selected receive scholarships of approximately \$250.00 per year. Twenty such awards are scheduled to be made annually until 1956. They are divided equally between women and men in Home Economics and Agriculture respectively. The fund is administered by the Houston Endowment Inc., of Houston, Texas.

### STATE OF TEXAS SCHOLARSHIPS

The State of Texas provides a scholarship for the ranking student of each one of the four year accredited high schools in Texas for the period immediately following the date of graduation. The scholarship will apply on tuition to the amount of \$25.00 per semester. The Committee on Scholarships may terminate, at the beginning of the second semester, the scholarship of a student who, without warrant, fails to maintain a satisfactory scholastic record.

High school graduates seeking these scholarships should apply through their high school principals.

### REGULATIONS

#### DISCIPLINE AND GOVERNMENT

All students reporting to the institution for registration are subject to the disciplinary rules and regulations of the institution upon date of arrival on the campus.

The college compels no student to enroll nor to remain who finds that he cannot meet its academic requirements cheerfully. A student who cannot meet the requirements of the college will be asked to withdraw.

Any student who makes false pretense as to his or her marital status is subject to immediate suspension for an indefinite time. This applies to any person who marries secretly while enrolled as a student or who was secretly married at the time of enrollment.

Day students are defined as those students who do not live in the college dormitory and who do not eat in the student dining hall. No student will be permitted to enroll as a day student except that:

1. His permanent residence is within commuting distance of the college.
2. All spaces in the college dormitories have been filled.
3. The individual is married and plans to live with his family within a commuting distance.

Any student, who is employed in an institutional department where meals are served regularly or where prepared food is sold, will not be permitted to enroll as a day student or roomer.

Students wishing to serve as agents for business firms or to operate a business for themselves are required to secure permission from the Director of Student Life.

When the administration finds that a student cannot adjust himself to the life of the college, and when that student's conduct appears to be unsatisfactory, the officers of the college may request the withdrawal.

The continuance of each student upon the rolls of the college, the receipt by him of academic credits, his graduation or the conferring of any degree or the granting of any certificate are strictly subject to the disciplinary powers of the College. The disciplinary authority of the college is vested in the President. It is his prerogative to act alone or delegate his authority to other personnel of the College.

### AUTOMOBILE REGULATIONS

No student shall have in his possession any motor vehicle kept on or near the campus or in any adjacent town without the prior approval and permission of the Administrative head of the college. Violation of this regulation subjects the student to immediate dismissal from the institution.

### HAZING

Hazing is prohibited by law in state educational institutions of Texas. The law provides that: "Any student of any state educational institution of Texas who commits the offense of hazing shall be fined not less than \$25.00 nor more than \$250 or shall be confined not less than ten days nor more than three months, or both."

### TOTAL FEES FOR ALL STUDENTS EXCEPT NURSES

*(These fees are subject to change without notice)*

Payments to the Fiscal Department should be made by Cashier's check or money order payable to the Prairie View Agricultural and Mechanical College of Texas. Payments should be made by cashiers check or money order payable to the Prairie View Agricultural and Mechanical College of Texas and sent directly to the student. All checks, money orders and drafts are accepted subject to final payment. *Personal checks will not be accepted.*

Maintenance fees are due and payable on the first day of each month. A delinquent fee of one dollar is assessed each student who fails to settle obligations to the college before the close of business on the tenth of the month, and he will be required to withdraw if settlement is not made by the fifteenth of the month.

### STUDENT FEES

The following student fees are hereby approved effective September 1, 1951, to remain in effect until changed by order of the Board of Directors, and all fees in conflict herewith are hereby cancelled:

## MATRICULATION, REGISTRATION OR TUITION FEE

*Regular Session*

Resident students, for 12 or more semester hours \$ 25.00 per semester  
(for less than 12 semester hours a reduction of  
\$2.00 per semester hour with a minimum of \$7.50  
per semester)

For registration in absentia (but for no courses) \$ 7.50 per semester

Nonresident students, for 12 or more semester  
hours ..... \$150.00 per semester  
(for less than 12 semester hours, a reduction  
of \$12.40 per semester hour)

A penalty of \$5.00 shall be collected for failure  
to pay the proper fee at the beginning of each  
semester.

For registration in absentia (but for no courses) \$ 12.50 per semester

*Summer Session*

Resident students, for 4 or more term hours ..... \$ 17.50 per term  
for less than 4 term hours a reduction of \$2.00  
per term hour with a minimum of \$10.00 per  
term)

For registration in absentia (but for no courses) \$ 7.50 per term

Nonresident student, for 4 or more term hours ... \$ 50.00 per term  
(for less than 4 term hours, a reduction of  
12.50 per term hour)

For registration in absentia (but for no courses) \$ 12.50 per term

## LATE REGISTRATION

Old students, both resident and nonresident, who in  
either semester or term do not register on the  
days set apart for that purpose, shall pay an addi-  
tional matriculation, registration or tuition fee of  
\$1.00 per day for each day of late registration  
with a maximum of \$5.00.

## DEGREES, CERTIFICATES, ETC.

College Diploma Fee ..... \$ 5.00  
Graduate School Diploma and Graduation Fee ..... \$ 10.00  
Graduate Nursing Diploma ..... \$ 7.50  
Transcript Fee (per copy after first copy) ..... \$ 1.00  
Trade Certificate Fee ..... \$ 2.00

Entrance Examination Fee for students from  
non-accredited high schools ..... \$ .50

Deficiency Examination Fee, per course ..... \$ 1.00

Deficiency grades are E, I and K

## EXTENSION COURSES

Extension Courses Fee—\$5.00 per semester hour  
for undergraduate work; \$10.00 per semester  
hour for graduate work

## CORRESPONDENCE COURSES FEE

2 semester hours .....	\$ 15.00
3 semester hours .....	\$ 22.00
4 semester hours .....	\$ 29.00

## LABORATORY FEES

*Per Course, Per Semester or Term*

Foods .....	\$ 2.00
Biology .....	\$ 2.00
Chemistry .....	\$ 2.00

## COMMERCIAL FEES

Shorthand Fee, per semester or term .....	\$ 4.50
Typing Fee per semester or term .....	\$ 4.50

## STUDENT ACTIVITIES FEE

Student Activities Fee, per semester .....	\$ 10.00
per term .....	\$ 3.50

## MUSIC FEES

*Regular Session*

Piano or voice (2 lessons per week) per semester .....	\$ 12.00
Organ, per month .....	\$ 5.00
Other instruments, same as piano	

*Summer Session*

Piano or voice per term .....	\$ 12.00
Organ per term .....	\$ 7.50

## R. O. T. C. UNIFORM HANDLING FEE

Regular Session .....	\$ 5.00
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## MAINTENANCE FEE

*Regular Session*

Room rent, board and laundry per month .....	\$ 31.50
(Room rent \$7.00, board \$21.75, laundry \$2.75)	

The fees for room rent, board and laundry may  
be paid in installments. Delayed installment pay-  
ment shall be \$1.00 extra for either or all fees.

*Summer Session*

Room rent, board and laundry, per term of 6 weeks .....	\$ 53.90
(Room rent \$9.80, board \$39.90, laundry \$4.20)	
Graduate students only—room rent for Summer Session per term of six weeks .....	\$ 14.00
Roomers only pay \$10.00 per month for room and laundry	
Room Key Deposit, returnable .....	\$ .50

## REFUNDS

*For all Colleges of Texas Agricultural and Mechanical College System*

Any student withdrawing officially (a) during the first week of class work in a semester will receive a refund of four-fifths of the matriculation fee, medical fee and physical education fee; (b) during the second week of class work, three-fifths; (c) during the third week of class work, two-fifths; (d) during the fourth week of class work, one-fifth; (e) after the fourth week of class work, nothing; during the first week of class work in a summer term, one-half; after the first week of class work in a summer term, nothing. No refunds will be made until ten days have elapsed from the time the fees were paid. Refunds of the matriculation fee for the Veterans Administration and other U. S. Government agencies shall be as follows:

For students withdrawing within one week from date of enrollment	80%
Between one and two weeks from date of enrollment	80%
Between two and three weeks from date of enrollment	60%
Between three and four weeks from date of enrollment	40%
Between four and five weeks from date of enrollment	20%
After the fifth week from date of enrollment	None

No deductions will be made from charges for board, laundry, and room rent in case of entrance within ten days after the opening of a semester, nor will a refund be made in case of withdrawal during the last ten days of a semester or the last ten days for which payment is made.

Except as aforesaid, charges for board, laundry and room rent will be refunded pro rata in case of withdrawal during a semester.

Any student withdrawing officially (a) during the first week of class work in a semester will receive a refund of the entire student activities fee; (b) during the second week of class work, three-fifths; (c) during the third week of class work, two-fifths; (d) during the fourth week of class work, one-fifth, except as stated below; (e) after the fourth week of class work, nothing. No refund will be made within ten days after the fees were paid.

No refund of the ROTC Uniform Handling Fee will be made after the uniform or any part thereof has been issued.

No refund of laboratory fees, music fees, shorthand or other special course fees will be made after student attends the class.

Key deposits will be refunded if the student returns his key to the Dean's Office within three days after the close of the period for which fees have been paid. If a student withdraws from school, his room key must be returned to the Dean's Office within three days after date of withdrawal for any cause.



## EXPENSES AND FEES FOR 1951-52

*(These fees are subject to change without notice)*

## FIRST SEMESTER

	Men	Women	Veterans <sup>1</sup>
Tuition (Non residents pay \$150) . . .	\$ 25.00	\$ 25.00	\$
Student Health and Activity Fee . . .	10.00	10.00	
*Maintenance Sept. 17-Oct. 10, 1951 . .	25.20	25.20	25.20
Uniform Service Charge . . . . .	5.00		
<i>Total Fees for Entrance . . . . .</i>	<i>\$ 65.20</i>	<i>\$ 60.20</i>	<i>\$ 25.20</i>
*Maintenance—October 11-Nov. 10 . .	31.50	31.50	31.50
*Maintenance—November 11-Dec. 10 . .	31.50	31.50	31.50
*Maintenance—Dec. 11-20-Jan. 1-10 . .	21.00	21.00	21.00
*Maintenance—Jan. 11-Feb. 10, 1952 .	31.50	31.50	31.50
<i>Total Fees for First Semester . . . . .</i>	<i>\$180.70</i>	<i>\$175.70</i>	<i>\$140.70</i>
Books and Supplies—estimated . . . .	20.00	20.00	
<i>Total expenses—First Semester . . . .</i>	<i>\$200.70</i>	<i>\$195.70</i>	<i>\$140.70</i>

## SECOND SEMESTER

Tuition (Non residents pay \$150) <sup>1</sup> . .	\$ 25.00	\$ 25.00	\$
Student Health and Activity Fee . . . .	10.00	10.00	
*Maintenance—Feb. 11-Mar. 10 . . . .	31.50	31.50	31.50
<i>**Total Fees for Entrance . . . . .</i>	<i>\$ 66.50</i>	<i>\$ 66.50</i>	<i>\$ 31.50</i>
*Maintenance—March 11-Apr. 10 . . .	31.50	31.50	31.50
*Maintenance—April 11-May 10 . . . .	31.50	31.50	31.50
*Maintenance—May 11-24 . . . . .	14.70	14.70	14.70
<i>Total Fees Second Semester . . . . .</i>	<i>\$144.20</i>	<i>\$144.20</i>	<i>\$109.20</i>
Books and Supplies—estimated . . . . .	20.00	20.00	
<i>Total Expenses Second Semester . . . .</i>	<i>\$164.20</i>	<i>\$164.20</i>	<i>\$109.20</i>
<i>Total Fees Regular Session . . . . .</i>	<i>\$324.90</i>	<i>\$319.90</i>	<i>\$249.90</i>
<i>Total Expenses Regular Session . . . .</i>	<i>\$364.90</i>	<i>\$359.90</i>	<i>\$249.90</i>

Room Key deposit, returnable. *(Payable to Dean of Men or Women—\$1.00)*

<sup>1</sup> Enrolled under benefits of G. I. Bill—Tuition, activity fee, books etc., paid for by Veterans Administration. Fees shown will be paid by the Veteran.

\* Maintenance includes board, room and laundry.

\*\* Male students entering college in February must pay an additional \$5.00 for Uniform Service Charge.

## NURSING FEES

## FIRST YEAR

*First Semester*

Tuition (non-residents pay \$150)	\$ 25.00
Student Activity Fee	10.00
Board, Room, Laundry for September	14.70
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	\$ 49.70
*October	31.50
*November	31.50
*December	21.00
*January	31.50
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	\$165.20
Books and supplies—estimated	20.00
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	\$185.20

*Second Semester*

Tuition (non-residents pay \$150)	\$ 25.00
Student Activity Fee	10.00
Board, Room, Laundry for February	31.50
Uniforms	57.00
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	\$123.50
*March	31.50
*April	31.50
*May	31.50
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Total for Second Semester	\$218.00
Total for First Semester	\$185.00
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Total for both Semesters	\$403.20

*Summer Session*

Tuition for both terms (non-residents pay \$100)	\$ 35.00
Student Activity Fee	7.00
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	\$ 42.00

Room and board for first summer furnished by Prairie View  
Hospital

Total for First Year \$445.00

\* Maintenance, including board, room and laundry.

## SECOND YEAR

*First Semester*

Tuition (non-residents pay \$150) .....	\$ 25.00
Books (estimated) .....	30.00
Uniforms (estimated) .....	40.00
Room and board furnished by Jefferson Davis Hospital	
	\$ 95.00

*Second Semester*

Tuition (non-residents pay \$150) .....	25.00
Room and board furnished by Jefferson Davis Hospital	
	\$120.00

*Summer*

Tuition (non-residents pay \$100) .....	35.00
Room and board furnished by Jefferson Davis Hospital	
	\$155.00

## THIRD YEAR

*First Semester*

Tuition (non-residents pay \$150) .....	\$ 25.00
Books (estimated) .....	10.00
Room and board furnished by Jefferson Davis Hospital	
	\$ 35.00

*Second Semester*

Tuition (non-residents pay \$150) .....	\$ 25.00
Activity Fee .....	7.50
Diploma .....	7.50
State Board Examination .....	15.00
Picture for State Board .....	1.50
Photostat copy of records .....	1.00
Room and board furnished by Jefferson Davis and Prairie View Hospitals	
	\$ 57.50
Total both semesters .....	\$ 92.50

*Summer Session*

Tuition for both terms (non-residents pay \$100) .....	\$ 35.00
Activity Fee .....	7.00
	\$ 42.00
Total for third year .....	\$134.50
Total for Three Years .....	\$734.50

NOTE.—The following articles are to be brought by student nurses enrolling as freshmen: 4 sheets, 3 pillow cases, 1 pillow, sufficient covers, umbrella, rain coat, overshoes, white oxfords with low rubber heels, 2 spreads, 4 face towels, 4 bath towels, a work box containing instruments for mending, an inexpensive watch with second hand, and inexpensive thermometer.

## NON-RESIDENT STUDENT REGISTRATION FEES

Be it resolved by the Board of Directors of the Agricultural and Mechanical College of Texas that the following schedule of registration, matriculation and/or tuition fees for non-resident students in the Agricultural and Mechanical College of Texas, John Tarleton Agricultural College, North Texas Agricultural College, and the Prairie View Agricultural and Mechanical College of Texas be and the same is hereby established, effective on and after September 1, 1949.

- A. For each student who registers for four (4) or more semester hours in a Summer Term (of six weeks), \$50.00 with a reduction of \$12.50 for each semester hour of maximum registration less than four.
- B. For each student who registers for twelve (12) or more semester hours in a semester of the Long Session, \$150.00 with a reduction of \$12.50 for each semester hour of maximum registration less than twelve.
- C. For registration in absentia in any term or semester (but for no courses) \$12.50.
- D. The residence status of a student is determined at the time of his first registration in the college and his residence is not changed by his sojourn at the College as a student except as provided by law. This policy shall apply to both graduate and undergraduate students regardless of any scholarships, student assistantships, or graduate assistantships that may be granted to any student.
- E. Pursuant to the authority granted by the Fiftieth Legislature in Chapter 218, General and Special Laws (House Bill 507) the Board of Directors hereby adopts the following non-resident regulations:
  1. A non-resident student is hereby defined to be a student of less than twenty-one (21) years of age, living away from his family and whose family resides in another state, or whose family has not resided in Texas for the twelve (12) months immediately preceding the date of registration; or a student of twenty-one (21) years of age or over who resides out of the State or who has not been a resident of the State twelve (12) months subsequent to his twenty-first birthday or for the twelve (12) months immediately preceding the date of registration.
  2. The term "residence" means "legal residence" or "domicile"; and the term "resided in" means "domiciled in."
  3. The legal residence of one who is under twenty-one (21) years of age is that of the father. Upon death of the father, the legal residence of the minor is that of the mother. Upon divorce of the parents, the residence of the minor is determined by the legal residence of the person to whom custody is granted by the court. In the absence of any grant of custody, the residence of the father continues to control. Upon death of both parents, the legal residence of the minor continues to be that of the last surviving parent until he becomes twenty-one (21) years of age unless he makes his home with his grandparents, whereupon their residence is controlling.
  4. A student under twenty-one (21) years of age shall not be classified as a resident student until his parents shall have maintained legal residence in this State for at least twelve (12) months. A student under twenty-one (21) years of age whose parent leaves the State and establishes legal residence in another State shall be classified as a non-resident student. It shall be the responsibility and duty of the student to submit legal evidence of any change of residence.
  5. All individuals who have come from without the State of Texas and who are within the State primarily for educational purposes are classified as non residents. Registration in an educational institution in the state is evidence that residence is primarily for educational purposes even though such individuals may have become qualified voters, have become legal wards of residents of Texas, have been adopted by residents of Texas, or have otherwise attempted to establish legal residence within the State.
  6. A student twenty-one (21) years of age or older who comes from without the State and desires to establish a status as resident student must be a resident of the State for a period of at least twelve (12) months other than as a student in an educational institution and must have the intention of establishing a permanent residence within the State during that entire period.
  7. The residence of a wife is that of her husband; therefore, a woman resident of Texas who marries a non-resident shall be classified as a non-resident and shall pay the non-resident fee for all semesters subsequent to her marriage. A non-resident woman student who marries a resident of Texas is entitled to be classified immediately as a resident student and is entitled to pay the resident fee for all subsequent semesters.
  8. All aliens shall be classified as non-resident students except that an alien who has applied for naturalization in the United States and has received his first citizenship papers shall have the same privilege of qualifying as a resident student as a citizen of the United States. The twelve (12) months' residence required to establish the status of a resident student shall not begin until after such first citizenship papers have been issued to the alien.

- 9. Members of the Army, Air Corps, Navy or Marine Corps of the United States who are stationed in Texas on active military duty shall be permitted to enroll their children by paying the tuition fees and charges provided for resident students without regard to the length of time such member of the Armed Service shall have been stationed on active duty within the State. This provision shall extend only during active military service in Texas; and upon such member of the Armed Service being transferred outside the State of Texas, his children shall be classified as to residence under Section One (1) of these regulations. Any student claiming the privilege of this section shall submit at each registration a statement by the commanding officer of the post or station at which his parent is on active duty verifying the fact of his parent's military status.
- 10. Appointment as a member of the teaching or research staffs or the holding of a fellowship, scholarship, or assistantship shall not affect a student's residence status or the tuition fee to be paid.
- 11. It shall be the responsibility of the student to pay the correct fee at the beginning of each semester or term for which he may register, and a penalty of five (\$5.00) dollars shall be assessed for failure to pay the proper fee.

### ACTIVITY FEE

The activities covered by this fee are subscription to "The Panther" (Student publication), membership in the Y.M.C.A. or Y.W.C.A., admission to campus athletic contests, debating contests, dramatics, general student activities, provision of orchestral music for approved entertainments, and health service.

All students are required to pay the Student Activities Fees. Students taking one-fourth or less of a full semester or summer term courses are excepted.

# ACADEMIC INFORMATION

## ADMISSION

### *General Admission Requirements*

All communications in regard to admission to the college should be addressed to the Registrar, Prairie View A. & M. College, Prairie View, Texas.

All applicants for admission to the college must be of good moral character and must pass a satisfactory physical examination administered by the school physician. The school reserves the right to admit or reject any applicant.

### *Admission by Certificate*

Applicants who present complete certified transcripts showing graduation from accredited four-year high schools with a minimum of fifteen units of work will be admitted without examination.

A unit is the equivalent of one high school study satisfactorily pursued during one school year, thirty-six weeks in length, on the basis of five forty-five minute recitations a week. In laboratory courses three recitation periods and two double periods of laboratory work per week constitute a unit.

Of the units acceptable for admission from high school, eight are required while seven are elective. The following represents the distribution of required units:

English .....	3 units
Algebra .....	1 unit
Plane Geometry .....	1 unit
History and Civics .....	2 units
Natural Science (with laboratory) .....	1 unit

For admission to the Division of Nursing Education, nine units are required as follows:

English .....	3 units
Mathematics .....	2 units
History .....	2 units
Natural Science (with laboratory) .....	2 units

Applicants for admission to the Division of Nursing Education must be at least 17 years of age and not over 30 years of age.

## ADMISSION

In order to pursue the courses leading to a Degree in Industrial Education or to a Technical Certificate, the student must satisfy the same entrance requirements as are prescribed for entrance to freshman college

courses. The entrance requirements for admission to Engineering courses are as follows:

Algebra	.....1½*	Units	Social Science	.....2	Units
English	.....3	Units	Solid Geometry	.....½**	Unit
Plane Geometry	.....1	Unit			

If the student lacks some of the above requirements, he must make up the deficiencies.

The seven elective units may be earned in any subject or subjects accredited by the Department of Education of the state in which the high school is located, provided that the total number of required and elective units together in any one subject shall not exceed four units. Records submitted by applicants for entrance into the Division of Nursing Education must be approved by the State Board of Nurse Examiners before such applicants may be accepted into the Division as preliminary students.

All credit for admission must be filed and classified in the Registrar's Office before the student may attain academic status of any kind. Transcripts should be on file in the Registrar's Office at least one month before the registration date of the semester in which the applicant plans to register. At the request of the applicant, a blank for this purpose will be sent by the Registrar for the principal of the high school from which the applicant was graduated.

All entering students are required to take a placement test in English grammar and may be required to take a psychological test.

Students entering to major in applied music (piano, voice, and violin) should show evidence of satisfactory elementary training and technique. Those who do not meet entrance requirements in applied music will study without credit until work and development are acceptable.

#### *Admission by Examination*

Any or all of the unit requirements for admission may be met by passing entrance examinations.

Spring entrance examinations are held throughout the state in May under supervision of the State Department of Education, mainly for the convenience of students in non-accredited high schools who wish to satisfy college entrance requirements.

Fall entrance examinations will be given at Prairie View A. & M. College September 12 and 13, 1951, for graduates of four-year non accredited high schools who wish to qualify for admission.

Entrance examinations will be administered between May and September at home, upon approval of such arrangements by the Registrar, Prairie View A. & M. College, Prairie View, Texas. These arrangements should be made through the principal or the superintendent of the high school from which the applicant was graduated.

#### *Admission to Advanced Standing*

A student transferring from another college will be admitted to advance standing in this college upon presentation of an official transcript of all work completed at the other institution.

\* Students having only 1 unit of Algebra will be required to take a five-hour course in College Algebra.

\*\* Students without this credit will take Solid Geometry first semester, which will add three credit hours to requirements for graduation.

Work completed at institutions which maintain standards of admission and graduation similar to those of this college will be given equivalent credit so far as it applies on courses offered in this college. All transfer students must meet residence requirements of this college.

Final acceptance of all transfer credit will depend upon the maintenance of satisfactory standing by the student during the first semester of his attendance.

Students applying for advanced standing in music courses that lead to a degree must show evidence of satisfactory completion of courses equivalent to those outlined in the music curriculum of the college and must pass acceptably an examination in applied music. Standing in music courses will be determined in consultation with the head of the Music Department.

#### *Admission by Individual Approval*

Applicants for admission who are over 21 years of age may be admitted to college courses without examinations. Such persons must show evidence that they have substantially completed the work represented by the number of admission units required of other applicants and have sufficient ability and seriousness of purpose to do the work desired with profit to themselves and satisfaction to the college. Inability or failure to do the work shall be sufficient cause for withdrawal of such classification.

Students thus admitted may not receive credit toward a certificate or a degree until the eight required and seven elective admission units are absolved. These units may be absolved as follows: Upon completion of Freshman English three admission units are granted; two units in mathematics are granted upon completion of Freshman mathematics; two units in history and civics are granted for completion of Freshman social science; one unit in science is granted for completion of Freshman science. Any or all of these admission units may be absolved by examination. The remaining seven elective admission units may be granted upon completion of 30 semester hours of college work provided the average is no lower than "C."

#### *Admission as Irregular Student*

Applicants at least 16 years of age who have completed scholastic training equivalent to completion of the elementary grades may be permitted to restrict their studies to special courses upon petition to the Registration Committee and the Dean of the School in which the work is to be pursued. Such permission is usually confined to those desiring to enroll in trade courses.

#### *Special Admission Requirements for Veterans*

Veterans who have not completed high school may enter the college on individual approval. After successfully completing the Freshman year, the high school credits can be liquidated through appropriate examinations.

Prairie View A. & M. College normally admits high school graduates upon the recommendation of their high school principals. They must have fifteen units of high school work. Veterans may be admitted on individual approval even though they do not have fifteen units of high school work.



Those admitted must complete the first year's work in college and pass the prescribed examinations to validate the high school credit.

## SCHOLASTIC REGULATIONS

### *Unit of Credit*

The unit of credit at Prairie View A. & M. College is the semester hour. A semester hour represents the equivalent of one recitation or lecture hour per week for eighteen (18) weeks. Two laboratory, practice, or demonstration hours represent the equivalent of one recitation or lecture hour per week for eighteen (18) weeks, except that in the School of Engineering and Military Science three practice or laboratory hours are required to equal one lecture or recitation hour.

### *Explanation of Course Numbers*

The first digit reading from the left indicates the level on which a course is offered, as freshman—1, sophomore—2, junior—3, Senior—4. The second digit indicates the semester; odd numbers indicate the first semester and even numbers, except zero, indicate second semester; zero indicates either semester. The third digit specifies the semester hours of credit a course carries.

Numbers in parentheses indicate the clock hours per week spent in lecture and laboratory respectively. Roman numerals I and II indicate first and second semesters respectively.

Example: CHEMISTRY 114, (2-4) I. This means that the course is on the freshman level, that this is the first semester of the course, that it carries four semester hours of credit, and requires two clock hours for lecture and four clock hours for laboratory period. The Roman numeral indicates it is being offered the first semester of the current school year.

### *Classification*

Students who have credit for thirty semester hours are classified as sophomores; those having sixty semester hours are classified as juniors and those having ninety semester hours are classified as seniors.

### *Class Attendance*

It is each student's responsibility to attend regularly and punctually each class and laboratory exercise in each course. The student should arrange with the teacher in advance for a necessary absence, or explain it immediately on return. The instructor's daily record constitutes the official account of the student's attendance. The administration holds the instructor responsible for an accurate, complete, and clearly comprehensible record of each student's attendance.

For credit toward a degree or certificate of proficiency, regular attendance is required in addition to the proficiency attested by classwork and examination. Absences (excused or unexcused) are counted from the first meeting of the class in each session. An absence is 'excused' only at the request of the Dean of the School in which the student is enrolled. Excused absences count neither for or against a student.

At the end of every third week in a semester, or whenever a student accumulates the maximum number of unexcused absences indicated in

No. 2 below, faculty members shall report to the Dean of Instruction the names of students whose absences have been numerous enough to affect their work adversely.

1. Immediately following the first reporting date, each student reported for having accumulated enough absences to adversely affect his work will be called in by the Dean of Instruction for an interview. The student and his parents will be warned that additional absences will jeopardize the student's chance of receiving credit for the course.
2. After the first reporting date, a student who has accumulated additional unexcused absences will be dropped from the course with a grade of F, if his total unexcused absences in a single course exceeds three times the number of semester hours of credit allowed, for example
  - if his total unexcused absences in a single two-semester-hour course exceeds six
  - if his total unexcused absences in a single three-semester-hour course exceeds nine
  - if his total unexcused absences in a single four-semester-hour course exceeds twelve
  - if his total unexcused absences in a single five-semester-hour course exceeds fifteen
3. Students who have accumulated an excessive number of absences and have been dropped from a sufficient number of courses to reduce their course loads below the minimum of twelve semester hours may be dropped from the institution at the discretion of the Dean of Instruction.

### *Change of Program*

After completing the initial procedures of registration for the session, a student may add or drop a course only with the approval of the Dean of the School. No course may be added after the tenth working day of any semester. The total number of hours must not become fewer than twelve. A student who drops a course after the first ten days of either semester for any cause other than withdrawal from the college is given, at the discretion of the Dean, a grade of "F" in the course for the semester. To drop a course unofficially (and persistent absence from class amounts to dropping) means to sever one's connection with the college.

*Minimum Load.* Every student enrolled in the College will be expected to carry a minimum load of twelve semester hours. Students who wish to carry less than twelve semester hours must have the approval of the Dean of Instruction.

### *Extra Loads*

Any credit course taken in addition to a program of 17 semester hours constitutes an extra load in the School of Arts and Sciences and 18 semester hours in the other Schools. To carry an extra load the student must obtain written permission from the Classification Committee. Per-

mission to carry an extra load may be granted to students maintaining a scholastic average of "B" or above during the last previous semester or term in residence.

### *Symbols of Grading*

The grading symbols are: A (95-100); B (85-94); C (75-84); D (65-74); F (below 65); I—Incomplete; K—Diligent Account. A grade of "I" means that some relatively small part of the session's work remains undone because of illness or other unavoidable reason. Grades of "I" and "K" are considered deficient for passing. Grades of "I" or "K" may become passing upon completion of the work prescribed by the instructor. (See section on Deficiency Examinations.)

"F" is a failing grade. Credit for a course in which the grade of "F" is given can be secured only by repeating the course.

### *Incomplete Class Work*

A student who is compelled to delay beyond the end of the semester the completion of the class work of the semester for illness or other imperative causes, should, in person, or through a friend, petition the Dean of the School in which he or she is registered—beforehand, if possible—for permission to delay the work. If permission is granted, the work may be finished within a year and credit for it given at the discretion of the instructor. A student whose work is reported incomplete without the dean's permission is given a failing grade.

The student must make application to the Registrar for a permit to remove a grade of "I" or "K" within a year after the grade is incurred.

### *Grade Points*

For a grade of "A" in any subject, three times as many grade points will be given as there are credit hours in the course; for grade "B," twice as many points; and for a grade of "C," the same number of points. No other grades yield grade points. Grade points are required for graduation in the ratio of one grade point for each semester hour in residence counted toward graduation. Grade point requirement is for residence work only and does not apply to Extension school credit and transfer credits from another institution. (See Requirements for Degrees and Diplomas).

### *Honor Roll*

The college honor roll is published at the end of each semester of regular session. To qualify for the honor roll a student must have carried a semester hour load of at least 12 hours and made an average of "B" and no grade below "C" in any course.

### FAILING TO PASS—PROBATION

1. Any student who fails in 50% or more of his semester hour registration any semester is automatically dropped from the institution.
2. Freshmen failing in less than 50% of their semester hour registration must show a minimum of .5 (D-plus) grade points for each semester hour passed or be dismissed from school.

3. Freshmen with no failures but who have grade point averages of less than .5 for each semester hour registration are placed on probation and, if the grade point average is not met (see 4) the succeeding semester, are dropped.
4. In order to be eligible for re-admission any semester without special permission a student must be able to meet the following requirements in addition to 1, 2, and 3 above: At the end of each semester freshmen students must have a grade point total equal to 50% of the total number of semester hour registration; sophomore students must have 75%, and junior students must have 87%.
5. Students who do not meet the grade point requirement (in 4) may be admitted for one semester on probation upon the recommendation of the Dean of the School and approval of the Registration and Classification Committee. If at the end of the semester the student has not met the grade point requirement, such student is automatically dropped.

#### *Grade Reports from the Registrar*

Grade reports are sent to parents or guardians at the end of each semester.

The parents or guardians of all students doing work below passing grade are notified of this condition shortly after the results of the mid-semester tests have been reported to the Registrar's Office.

### EXAMINATIONS AND TESTS

#### *Semester Examinations*

Examinations in all college courses are given at the end of the first and second semesters. Exceptions from examinations will not be granted. In all examinations, account is taken of English usage.

#### *Mid-Semester Tests*

Mid-semester tests in all college courses are given at the end of the first nine-week period of each semester.

#### *Absence From Examinations*

A student who is compelled to be absent from a semester examination for sickness or other imperative cause should petition his dean—beforehand, if possible—for permission to postpone the examination. This permission must be presented in writing to the teacher who is to give the examination and submitted by the teacher with the grade to the Registrar's Office.

A student absent from a semester examination without the dean's permission is graded "F" and required to repeat the semester's work.

#### *Deficiency Examinations*

An examination to remove a course condition grade of "E" may be taken on one of the days designated for this purpose or during any regular examination period within twelve months after the grade was received. If examination is satisfactory, the final grade then becomes

"D." A student who fails to pass deficiency examination in the course forfeits thereby the right to ask for another examination in the course and must repeat the work.

The student must make application to the Registrar's Office for a deficiency examination.

## MEN CALLED TO THE ARMED SERVICES

### *Re: Academic Credit*

Seniors who are in their last semester and are taking all the work for graduation are allowed their credits at the time they are called, provided it is past mid-semester, nine weeks.

Other students are allowed their grades up to the time of leaving if they are called as follows:

- a. If two weeks after mid-semester, their "A" and "B" grades, eleven weeks.
- b. If after January 1 or May 1, their "A," "B," and "C" grades.
- c. "D" grades are allowed only when semester is completed.

In each case the student is expected to stay in college as long as possible before he goes to enter the Army. This is considered to be one week before his actual date of reporting.

A student who leaves earlier than the dates indicated above may be granted permission to take up his studies at a corresponding time in a later semester if he can come back. If he is out a considerable length of time, he should return earlier in order that the first part of the semester's work should be fresh in his mind when he comes to the latter part.

## DEGREES, DIPLOMAS AND CERTIFICATES

### *Applying for Graduation*

Any student expecting to graduate at the end of a regular long session is required to file application for the degree, diploma or trade certificate expected, during the first five days of the first semester of his attendance in that session on a blank available in the Registrar's Office. If graduation is expected at the end of the summer session, the application for degree, diploma or trade certificate should be made during the first three days of the first term of the student's attendance in that summer session. The application should be directed to the Registrar.

### *Degrees and Diplomas Offered*

1. From the School of Agriculture, Bachelor of Science.
2. From the School of Arts and Sciences, Bachelor of Arts, Bachelor of Music, Bachelor of Science, and Bachelor of Science in Education.
3. From the School of Home Economics, Bachelor of Science.
4. From the School of Nursing Education, Graduate Nurse Diploma and Bachelor of Science.
5. From the School of Engineering, Bachelor of Science.
6. From the Graduate School, Master of Science, Master of Arts, Master of Education.

No degree will be conferred except publicly on Commencement Days. Every candidate must attend in person in academic attire the Commencement at which his degree is to be conferred. If he must be absent for a good cause, he must petition the President at least one week in advance.

### *Requirements for Degrees and Diplomas*

*Semester Hour and Grade Point Requirement.* To qualify for any degree a student must not only present at least 120 semester hours and 120 grade points, but must also satisfy the specific course hour and grade point requirements listed for the school in which he is enrolled. One grade point for each semester hour presented in Residence for graduation is required of all candidates for degrees. Transfer credits do not carry grade points. (For evaluation of grades see "Grade Points")

*Special Requirements in Major Subject.* Of the courses offered for an undergraduate degree at least six semester hours in advanced courses in both the *major* subject and *minor* subject must be completed in residence.

*Extension Limitation.* Of the courses offered for an undergraduate degree, not more than sixty semester hours in correspondence and extension will be accepted.

*Residence Requirement.* No degree will be conferred without campus residence equivalent to two semesters comprising thirty-six weeks or three summer sessions comprising thirty-six weeks, and the completion in residence of at least thirty semester hours of work counting toward graduation, provided also that the last 30 semester hours of work have been completed in continuous residence.

*Six Hours in Government Required.* The Forty-fifth Legislature passed the following law: "Provided further, that after September 1, 1937, no student shall be certified for graduation from any tax-supported State educational institution with the award of a college degree unless such student shall have completed theretofore in a standard college or university at least six (6) hours of credit in the governments of the State of Texas or of the United States of America, or the equivalent in both or shall have completed at least three (3) hours of said credit in government and at least three (3) hours of credit in a course in Military Science as provided in an approved Senior R. O. T. C. unit."

*English Usage and Arithmetic Requirements.* All seniors must pass a standard test in English grammar and a special test in arithmetic before they will be approved for graduation. Drill classes are open to those who fail to pass the tests.

*Off-Campus Practice Teaching Requirements.* Students in all schools shall be required to take practice teaching off the campus before they may be recommended for graduation.

*\*Essay Requirement.* Every candidate for the bachelor's degree must write a report or an essay on some practical topic or project in his field of concentration. The report or essay must be typewritten, double-spaced on plain white bond paper, and must be approved by the advisor under whose supervision it has been written, and the Head of the Department.

Two copies must be bound at the expense of the student. The original and first carbon must be filed in the Dean's office not later than May first of the academic year in which the degree is to be conferred. Candidates for the degree at the Summer School Commencement must file their reports or essay before August first.

*Skills Requirement.* Candidates for graduation for the Schools of Agriculture, Home Economics, and Engineering are required to complete special skills courses in these respective fields, before they may be approved for graduation.

*Graduation Honors Requirement.* Students earning a minimum ratio of two grade points for each semester hour are graduated "With Distinction." Students earning a minimum ratio of 2.5 grade points for each semester hour are graduated "With Great Distinction." No student who has made a grade below "D" shall be eligible to consideration for honors regardless of his grade point ratio.

*Registration Requirement.* Students who are to receive a degree must be enrolled in the institution for the semester in which the degree is to be conferred. A minimum fee of \$7.50 is required of students who are not enrolled in any classes. Nonresident students pay \$12.50.

*Second Baccalaureate Degree Requirement.* No second bachelor's degree will be conferred until the candidate has completed at least thirty semester hours in addition to those counted toward the first Bachelor's degree. The credit subsequent to the first undergraduate degree required for presentation on the second undergraduate degree must be done in residence. It is provided further that the last actual credit presented in the second undergraduate degree must be done in residence.

#### *Requirements for Trade Certificates*

Trade certificates are awarded for completion of special trade courses as follows: Automotive Science, Broom and Mattress Making, Carpentry and Cabinet Making, Masonry, Electrical Repair, Laundering and Dry Cleaning, Machine Shop Estimating, Plumbing and Steam-Fitting, Printing, Shoemaking, Stationary Engineering, Tailoring, Shorthand, Typing, Dressmaking, Cooking, Baking, Painting, and Interior Decorating. For specific requirements of each trade see the school in which the trade is scheduled.

#### *Requirements for Teaching Certificate*

All teaching certificates are issued by the Certification Department of the Texas Education Agency in Austin, Texas. Persons interested in securing certificates should consult the Texas Education Agency's Bulletin 3 dated May 1950 because of the interpretations being placed on the standards. Special requirements for the various certificates are listed below:

REQUIREMENTS FOR THE VARIOUS CERTIFICATES  
STATE OF TEXAS

1. *Elementary Four-Year or High School Two-Year Certificate*  
30 hours total college credit, which must include
  - 6 hours in English
  - 6 hours in Education
  - A course in Texas and Federal Government
2. *Elementary Six-Year Certificate*  
60 hours total college credit, which must include
  - 12 hours in Education
  - 6 hours in English
  - A course in Texas and Federal Governments
3. *High School Four-Year Certificate*  
60 hours total college credit, which must include
  - 6 hours in English
  - 12 hours in Education, 6 of which is Secondary
  - A course in Texas and Federal Government
4. *High School Six-Year Certificate*  
90 hours total college credit, which must include
  - 18 hours in Education, 6 Secondary
  - 6 hours in English; and Practice Teaching
  - A course in Texas and Federal Governments
5. *Permanent High School Certificate*
  - (1) 120 hours total college credit—Standard Degree
    - 24 hours in Education, 8 Secondary in nature
    - 6 hours in English; and Practice Teaching
    - A course in Texas and Federal Governments
  - (2) Teach three years aggregating 27 months since degree was issued, if applicant has had 12 hours in Education, 6 of which must be Secondary in nature.
6. *Permanent Elementary Certificate*
  - (1) Regular college course in any State Teachers' College
  - (2) Teach five years aggregating 30 months on six-year elementary certificate.

*Administrative Certificate*

The administrative Certificate requires, along with College Graduation, the completion of twelve semester hours in the field of Advanced Administration and Supervision, and six semester hours in the field of Advanced Methods.



# SCHOOL OF AGRICULTURE

The School of Agriculture offers two four-year curricula leading to a Bachelor of Science in Agriculture. They are the Curriculum in Agricultural Education and the Curriculum in Agriculture.

The curriculum in Agricultural Education is designed primarily to train men who expect to become teachers of vocational agriculture in Texas high schools participating in federal funds.

The Curriculum in Agriculture is offered for those men who are preparing for the business of farming; for research workers; for employment in work with the various governmental agricultural agencies; farm managers; teaching in high schools and agricultural colleges. It offers training for students who plan to process and market agricultural products. The technical subjects covered in this curriculum are agricultural engineering, agronomy, agricultural economics, dairy husbandry, dairy manufacturing, horticulture, ornamental horticulture and poultry husbandry.

The freshman and sophomore years are basic for all agricultural students.

All electives in any of the departments must be officially approved by the Dean of the School of Agriculture and the head of the department in which the student majors.

Students choosing the Curriculum in Agriculture are not required to name the department in which they will major until the second semester of the sophomore year.

## BASIC WORK IN THE FRESHMAN AND SOPHOMORE YEARS

### FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Dairying 112 .....	2	Chemistry 124—General Chemistry .....	4
Elements of Dairying .....		Agronomy 123 .....	3
Animal Husbandry 113 .....	3	Fundamentals of Crop Production .....	
Types and Breeds of Livestock .....		Biology 114—General Zoology .....	4
Biology 134—General Botany .....	4	Agricultural Engineering 123 .....	3
Chemistry 114—General Chemistry .....	4	Farm Shop .....	
English 113 .....	3	English 123—Composition .....	3
Grammar and Composition .....		Military Science 121—Elementary .....	1
Education 103—Orientation .....	3		
Military Science 111—Elementary .....	1		
	20		18

### SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
*Mathematics 173 .....	3	*Mathematics 183 .....	3
Applied Mathematics .....		Applied Mathematics .....	
Agricultural Engineering 214 (123) ...	4(3)	Poultry 223 (213) .....	3
Farm Machinery .....		Poultry Production .....	
Agricultural Economics 213 .....	3	Veterinary Science 223 .....	3
Fundamentals of Economics .....		Anatomy and Physiology .....	
Chemistry 315 .....	4	Horticulture 233 (113) .....	3
Organic .....		Vegetable Gardening .....	
English 213 .....	3	Dairying 223 .....	3
Public Speaking .....		Dairy Production .....	
Military Science 211 .....	1	Horticulture 222 .....	2
Elementary .....		Landscape Art .....	
	18 (17)	Military Science 221 .....	1
		Elementary .....	

\* Agricultural Engineering majors take Math. 113 and 123

## AGRICULTURAL EDUCATION MAJOR

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Agricultural Education 313 (433) .....	3	Agricultural Education 323 (373) .....	3
New Farmers of America		Special Methods	
Political Science 263 .....	3	Political Science 203 .....	3
National Government		State Government	
Biology 334 .....	4	Agronomy 323 (313) .....	3
Bacteriology		Field and Forage Crops	
Horticulture 313 .....	3	Veterinary Science 323 .....	3
Fruit Growing		Livestock Diseases and Sanitation	
Animal Husbandry 313 .....	3	Entomology 313 (412) .....	3(2)
Feeds and Feeding		General Entomology	
Military Science 313 .....	3	Agricultural Economics 323 (423) .....	3
Advanced		Marketing Farm Products	
	16 or 19	Military Science 323 .....	3
		Advanced	
			(17), 18 or 21

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Agricultural Education 423 .....	3	Agronomy 423 .....	3
Practice Teaching		Soil Conservation and Land Use Planning	
Education 333 .....	3	Agricultural Engineering 313 .....	3
Educational Psychology		Farm Drainage	
Agricultural Education 403 .....	3	Agricultural Economics 423 .....	3
Supervised Practice Records		Farm Management	
Horticulture 343 .....	3	Horticulture 423 .....	3
Food Preservation		Landscape Gardening	
Animal Husbandry 423 .....	3	Animal Husbandry 422 .....	2
Incubation and Brooding		Problems	
Animal Husbandry 343 .....	3	Agricultural Education 433 .....	3
Farm Meats		Special Problems	
Military Science 413 .....	3	Military Science 423 .....	3
Advanced		Advanced	
	18 or 21		17 or 20

## AGRICULTURAL ENGINEERING MAJOR

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Agricultural Engineering 303 .....	3	Agricultural Engineering 343 .....	3
Surveying		Farm Building Construction	
Agricultural Engineering 313 .....	3	Physics 124 .....	4
Farm Drainage		Mathematics 213 .....	3
Physics 114 .....	4	Differential Calculus	
Mathematics 113 .....	3	Political Science 203 .....	3
Analytic Geometry		State Government	
Political Science 263 .....	3	Elective .....	4
National Government		Military Science 323 .....	3
Seminar 301 .....	1	Advanced	
Agricultural Engineering			17 or 20
Military Science 313 .....	3		
Advanced			
	17 or 20		

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Agricultural Engineering 414 .....	4	Agricultural Engineering 423 .....	3
Farm and Home Utilities		Farm Engineers and Tractors	
Agricultural Engineering 403 .....	3	Agricultural Engineering 443 .....	3
Farm Motors		Terracing and Erosion Control	
Agronomy 413 .....	3	Agricultural Engineering 463 .....	3
Soil Science		Farm Building Construction	
Elective .....	7	Elective .....	3
Military Science 413 .....	3	Military Science 423 .....	3
Advanced		Advanced	
	17 or 20		17 or 20

## AGRONOMY MAJORS

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Plant Science 413 .....	3	Plant Science 423 .....	3
Plant Physiology .....		Plant Pathology .....	
Biology 254 .....	4	Agronomy 323 .....	3
Principles of Genetics .....		Field and Forage Crops .....	
Political Science 263 .....	3	Agronomy 343 .....	3
American National Government .....		Grain Crops .....	
Agronomy 333 .....	3	Political Science 203 .....	3
Soil Physics .....		State Government .....	
Electives .....	4	Entomology 313 .....	3
Military Science 313 .....	3	General Entomology .....	
Advanced .....		Elective .....	2
		Military Science 323 .....	3
		Advanced .....	
	17 or 20		17 or 20

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Agronomy 402 .....	2	Plant Science 403 .....	3
Soil Management .....		Plant Breeding and Improvement .....	
Agronomy 413 .....	3	Agronomy 443 .....	3
Soil Science .....		Fertilizers .....	
Agronomy 433 .....	3	Agricultural Engineering 313 .....	3
Principles of Crop .....		Farm Drainage .....	
Agronomy 423 .....	3	Elective .....	8
Soil Conservation .....		Military Science 423 .....	3
Elective .....	6	Advanced .....	
Military Science 413 .....	3		
Advanced .....			
	17 or 20		17 or 20

## AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Agricultural Economics 313 .....	3	Agricultural Economics 323 .....	3
Cooperatives .....		Marketing Farm Products .....	
Agricultural Economics 333 .....	3	Agricultural Economics 343 .....	3
Advanced Economics .....		Records and Accounts .....	
English 213 .....	3	Sociology 413 .....	3
Business and Professional Speech .....		Rural Sociology .....	
Agricultural Economics 352 .....	3	Political Science 203 .....	3
Legal Relations of the Farmer .....		State Government .....	
Political Science 263 .....	3	Agricultural Economics 363 .....	3
American National Government .....		Agricultural Credit .....	
Elective .....	2	Elective .....	3
Military Science 313 .....	3	Military Science 323 .....	3
		Advanced .....	
	17 or 20		18 or 21

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Agricultural Economics 413 .....	3	Agricultural Economics 423 .....	3
Land Economics .....		Farm Management .....	
Agricultural Economics 403 .....	3	Sociology 303 .....	3
International Agricultural Economics .....		The family .....	
Sociology 423 .....	3	English 303 .....	3
Organizations and Problems .....		Agricultural Journalism .....	
Elective .....	7	Elective .....	8
Military Science 413 .....	3	Military Science 423 .....	3
Advanced .....		Advanced .....	
	16 or 19		17 or 20

## ANIMAL HUSBANDRY MAJOR

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Animal Science 313 .....	3	Veterinary Science 323 .....	3
Feeds and Feeding		Anatomy and Physiology	
Biology 254 .....	4	Animal Husbandry 413 .....	3
Principles of Genetics		Livestock Management	
Biology 334 .....	4	Entomology 313 .....	3
Bacteriology		General Entomology	
Animal Husbandry 302 .....	2	Political Science 203 .....	3
Stock Selection and Judging		State Government	
Political Science 263 .....	3	Elective .....	4
National Government		Military Science 323 .....	3
Animal Husbandry 343 .....	3	Advanced	
Farm Meats			
Military Science 313 .....	3		
Advanced			16 or 19
	19 or 22		

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Animal Husbandry 433 .....	3	Animal Husbandry 403 .....	3
Beef Cattle and Horse Management		Animal Breeding	
Animal Husbandry 453 .....	3	Animal Husbandry 423 .....	3
Animal Physiology		Animal Nutrition	
Animal Husbandry 412 .....	2	Animal Husbandry 443 .....	3
Meat Selection and Cuttings		Swine and Sheep Management	
Animal Husbandry 401 .....	1	Animal Husbandry 462 .....	2
Seminar		Fitting and Showing Livestock	
Elective .....	3	Elective .....	6
Military Science 413 .....	3	Military Science 423 .....	3
Advanced		Advanced	
	17 or 20		17 or 20

## DAIRY HUSBANDRY MAJORS

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Animal Husbandry 313 .....	3	Entomology 313 .....	3
Feeds and Feeding		General Entomology	
Biology 334 .....	4	Veterinary Science 323 .....	3
Bacteriology		Livestock Diseases and Sanitation	
Biology 254 .....	4	Dairying 323 .....	3
Principles of Genetics		Dairy Cattle Production	
Dairying 223 .....	3	Political Science 203 .....	3
Dairy Production and Management		State Government	
Political Science 263 .....	3	Elective .....	5
National Government		Military Science 323 .....	3
Military Science 313 .....	3	Advanced	
Advanced			
			17 or 20
	17 or 20		

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Agricultural Engineering 414 .....	4	Animal Husbandry 403 .....	3
Farm and Home Utilities		Animal Breeding	
Animal Husbandry 413 .....	3	Animal Husbandry 423 .....	3
Livestock Management		Animal Nutrition	
Dairying 413 .....	3	Dairying 453 .....	3
Market Milk		Dairy Herd Operation and Management	
Elective .....	7	Elective .....	8
Military Science 413 .....	3	Military Science 423 .....	3
Advanced		Advanced	
	17 or 20		17 or 20

## DAIRY MANUFACTURING

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Biology 334 .....	4	Entomology 323 .....	3
Bacteriology		General Entomology	
Biology 254 .....	4	Dairying 223 .....	3
Principles of Genetics		Production and Management	
Dairying 413 .....	3	Animal Husbandry 313 .....	3
Market Milk		Feeds and Feeding	
Political Science 263 .....	3	Political Science 203 .....	3
American National Government		State Government	
Elective .....	3	Elective .....	5
Military Science 313 .....	3	Military Science 323 .....	3
Advanced		Advanced	
	<hr/> 17 or 20		<hr/> 17 or 20

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Dairy Husbandry 433 .....	3	Dairy Husbandry 401 .....	1
Cheese and Butter Making		Seminar	
Dairy Husbandry 403 .....	3	Dairy Husbandry 423 .....	3
Creamery Plant Management		Ice Cream Making	
Dairy Husbandry 442 .....	2	Dairy Husbandry 442 .....	3
Judging Dairy Products		Technical Control of Dairy Products	
Biology 434 .....	4	Animal Science 423 .....	3
Bacteriology of Dairy Products		Animal Nutrition	
Elective .....	5	Elective .....	7
Military Science 413 .....	3	Military Science 423 .....	3
Advanced		Advanced	
	<hr/> 17 or 20		<hr/> 17 or 20

## HORTICULTURE

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Plant Science 413 .....	3	Plant Science 423 .....	3
Plant Physiology		Plant Pathology	
Biology 254 .....	4	Entomology 323 .....	3
Principles of Genetics		General Entomology	
Biology 334 .....	4	Horticulture 423 .....	3
Bacteriology		Landscape Gardening	
Horticulture 223 .....	3	Agricultural Economics 323 .....	3
Vegetable Gardening		Marketing Farm Products	
Political Science 263 .....	3	Elective .....	5
American National Government		Military Science 323 .....	3
Military Science 313 .....	3	Advanced	
Advanced			
	<hr/> 17 or 20		<hr/> 17 or 20

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Horticulture 313 .....	3	Horticulture 423 .....	3
Fruit Culture		Advanced Fruit Culture	
Agronomy 413 .....	3	Horticulture 401 .....	1
Soil Science		Seminar	
Horticulture 443 .....	3	Horticulture 463 .....	3
Floriculture		Advanced Landscape Gardening	
Plant Science 443 .....	3	Plant Science 463 .....	3
Plant Breeding and Improvement		Plant Nutrition	
Elective .....	5	Elective .....	4
Military Science 413 .....	3	Military Science 423 .....	3
Advanced		Advanced	
	<hr/> 17 or 20		<hr/> 14 or 17

## ORNAMENTAL HORTICULTURE MAJOR

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Plant Science 413 .....	3	Horticulture 423 .....	3
Plant Physiology .....		Landscape Gardening .....	
Agricultural Engineering 303 .....	3	Entomology 323 .....	3
Surveying .....		General Entomology .....	
Physics 114 .....	4	Plant Science 423 .....	3
Biology 334 .....	4	Plant Pathology .....	
Bacteriology .....		Agricultural Economics 323 .....	3
Political Science 263 .....	3	Marketing .....	
National Government .....		Political Science 203 .....	3
Military Science 313 .....	3	State Government .....	
Advanced .....		Elective .....	2
		Military Science 323 .....	3
		Advanced .....	
	<hr/>		<hr/>
	17 or 20		17 or 20

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Biology 254 .....	4	Horticulture 483 .....	3
Principles of Genetics .....		Green House Operation .....	
Horticulture 443 .....	3	Plant Science 443 .....	3
Floriculture .....		Plant Breeding .....	
Plant Science 463 .....	3	Horticulture 463 .....	3
Plant Nutrition .....		Advanced Landscape Gardening .....	
Elective .....	7	Elective .....	3
Military Science 413 .....	3	Military Science 423 .....	3
Advanced .....		Advanced .....	
	<hr/>		<hr/>
	17 or 20		17 or 20

## POULTRY MAJOR

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Biology 254 .....	4	Poultry 433 .....	3
Principles of Genetics .....		Incubation and Brooding .....	
Biology 334 .....	4	Entomology 323 .....	3
Bacteriology .....		General Entomology .....	
Poultry 312 .....	2	Veterinary Science 323 .....	3
Poultry Judging .....		Anatomy and Physiology .....	
Animal Husbandry 313 .....	3	Political Science 203 .....	3
Feeds and Feeding .....		State Government .....	
Political Science 263 .....	3	Elective .....	6
National Government .....		Military Science 323 .....	3
Military Science 313 .....	3	Advanced .....	
Advanced .....			
	<hr/>		<hr/>
	16 or 19		18 or 21

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Poultry 323 .....	3	Poultry 423 .....	3
Commercial Poultry Plant Management .....		Hatchery Management .....	
Poultry 413 .....	3	Poultry 443 .....	3
Poultry Physiology .....		Poultry Breeding .....	
Poultry 403 .....	3	Animal Husbandry 423 .....	3
Poultry Marketing .....		Animal Nutrition .....	
Poultry 401 .....	1	Poultry 401 .....	1
Seminar .....		Seminar .....	
Elective .....	7	Elective .....	7
Military Science 413 .....	3	Military Science 423 .....	3
Advanced .....		Advanced .....	
	<hr/>		<hr/>
	17 or 20		17 or 20

## DESCRIPTION OF COURSES

## AGRICULTURAL EDUCATION

313. NEW FARMERS OF AMERICA. (3-0) *Credit 3.* I or II. The New Farmers of America; the national organization of Negro youth studying Vocational Agriculture.

323. SPECIAL METHODS OF TEACHING VOCATIONAL AGRICULTURE IN SECONDARY SCHOOLS. (3-0) *Credit 3.* II. Special emphasis given to making outlines, lesson plans, surveys, and to reference books and bulletins needed in teaching.

403. SUPERVISED PRACTICE RECORDS. (3-0) *Credit 3.* I.

413. VISUAL INSTRUCTION. (3-0) *Credit 3.* I or II. Use of pictures, maps, charts and graphs in instruction of the high school level; exhibits for state and local fairs.

423. OBSERVATION AND PRACTICE TEACHING IN AGRICULTURE. *Credit 3.*

433. SPECIAL PROBLEMS.\* (By Appointment Only). *Credit 3.* II.

453. EXTENSION METHODS. (3-0) *Credit 3.* I. Extension Service Methods.

## AGRONOMY

123. FUNDAMENTALS OF CROP PRODUCTION. (2-2) *Credit 3.* II. Science of crop production; crop plants in relation to environment; botany of crop plants; crop improvement; tillage practices; crop rotation; seeds and seeding; and harvesting of crops.

323. FIELD AND FORAGE CROPS. (2-2) *Credit 3.* II. Major Field and Forage crops in the United States; special reference to production areas, cultural practices and harvesting and storage.

333. SOIL PHYSICS. (2-2) *Credit 3.* I. Mechanical composition of soils; physical characteristics of soils; and physical properties of soils.

343. GRAIN CROPS. (2-2) *Credit 3.* II. Production, harvesting and storing grain crops; recommendations for controlling insects that cause damage to grain crops.

402. SOIL MANAGEMENT. (1-2) *Credit 2.* I. Soil formation; physical, chemical and biological properties and application of these to the best land use practices.

413. SOIL SCIENCE. (2-2) *Credit 3.* I. Physical, chemical and biological nature of soils and their interactions to give fertile soil for plant growth; soil and plant relationships and soil fertility.

423. SOIL CONSERVATION. (2-2) *Credit 3.* I. Erosion, as affected by climate and vegetation; controlling erosion, naturally and artificially.

433. PRINCIPLES OF CROP JUDGING. (2-2) *Credit 3.* I. Judging crop quality, germination, soundness with implications for improvement of major economic crops.

443. FERTILIZERS. (2-2) *Credit 3.* II. Basic fertilizers and materials; manures and liming.

## ANIMAL HUSBANDRY

113. TYPES AND MARKET CLASSES OF LIVESTOCK. (2-2) *Credit 3.* I. Judging types, carcasses, market classes and marketing livestock.

303. LIVESTOCK JUDGING. (1-2) *Credit 2.* I. Judging market animals and different breeds of livestock. One field trip.

\* For second semester in Agricultural Education

313. FEEDS AND FEEDING. (3-0) *Credit 3*. I. Composition and digestibility of feed stuff; physiology, preparation, feeding standards and calculation of rations for farm animals.

343. FARM MEATS. (2-2) *Credit 3*. I. Methods of killing, cutting, grading and preserving farm meats.

401. SEMINAR. (1-0) *Credit 1*. Reviews and discussion of animal research articles.

403. ANIMAL BREEDING. (3-0) *Credit 3*. II. Physiology of reproduction; breeding systems, and practices; application of genetic principles to the problems of animal breeding.

412. MEAT SELECTION AND CUTTING (1-2) *Credit 2*. I. Classification and grading farm meats; nutritive values; factors influencing quality and dressing percentages of meats from different animals.

413. LIVESTOCK MANAGEMENT. (2-2) *Credit 3*. I. Methods and practices used in the production and management of beef cattle, swine, sheep and work animals.

422. SPECIAL PROBLEMS. (2-0) *Credit 2*. II. Research problem in Animal Husbandry; planning, execution, compiling and summarizing the data in publication form.

423. ANIMAL NUTRITION. (3-0) *Credit 3*. II. Principles of Animal Nutrition and feeding practices; recent findings and experimental procedures.

433. BEEF CATTLE AND HORSE MANAGEMENT. (2-2) *Credit 3*. I. Systematic studies of methods of breeding, feeding and management practices used in beef cattle and horse production.

453. ANIMAL PHYSIOLOGY. (2-2) *Credit 3*. II. Physiology of the domestic animals; digestion, absorption, metabolism, excretion and reproduction.

462. FITTING AND SHOWING LIVESTOCK. (1-2) *Credit 2*. II. Selecting, grooming, handling and showing of beef cattle, dairy cattle, sheep and swine for show and sale.

## AGRICULTURAL ECONOMICS

213. FUNDAMENTALS OF ECONOMICS. (3-0) *Credit 3*. I. Study of Agriculture as an industry, including regions, types of farming, tariff, and national production programs.

313. COOPERATIVES. (3-0) *Credit 3*. I. Principles involved in the successful operation of cooperative organizations; marketing, purchasing, and other forms of cooperation are included.

323. MARKETING FARM PRODUCTS. (3-0) *Credit 3*. II. Principles underlying the successful marketing of farm products; middlemen, grading, packing, and shipping are included.

333. ADVANCED ECONOMICS. (3-0) *Credit 3*. I. Principles of economics applied to special problems of agriculture, farm credit, tenancy, farm ownership, land values and governmental policies as related to Agriculture.

343. RECORDS AND ACCOUNTS. (3-0) *Credit 3*. II. The various systems of farm record keeping, farm accounts, property, labor, feed, production, and field records are included.

353. LEGAL RELATIONS OF THE FARMER. (3-0) *Credit 3*. I. Legal instruments as they affect the farmer; contracts, corporations, partnerships, bankruptcy, auctions, wills, deeds, abstracts, insurance companies, banks and the Farm Credit Administration.



403. INTERNATIONAL AGRICULTURAL ECONOMICS. (3-0) *Credit 3. I.* Principal agriculture areas, population, livestock, crop production belts, international trade, tariffs and reciprocal trade agreements.

413. LAND ECONOMICS. (3-0) *Credit 3. I.* Land and the population; Agricultural land; land as property; recreational land; land tenure and soil conservation.

423. FARM MANAGEMENT. (3-0) *Credit 3. II.* Practical farm management problems; farm records; choosing a farm; farm labor and equipment; cropping; feeding; and production costs.

### AGRICULTURAL ENGINEERING

123. FARM SHOP. (1-4) *Credit 3. II.* Farm work shop methods; tool identification, care, and use; skills in fitting farm tools and making simple working drawings. Course includes some woodwork, forging, soldering, welding and general repairs.

214. FARM MACHINERY. (2-4) *Credit 4. I.* Identification, care, use, repair and maintenance of farm machinery.

303. SURVEYING. (1-4) *Credit 3. I.* Use, adjustment and care of all instruments necessary for elementary surveying and the field application of those instruments to surveying problems.

313. FARM DRAINAGE. (1-4) *Credit 3. I.* Land drainage; terracing, gully control, irrigation and land reclamation.

343. FARM BUILDING AND CONSTRUCTION. (1-4) *Credit 3. II.* Planning, construction and repair of farm buildings and structures.

403. FARM MOTORS. (2-2) *Credit 3. I.* The economic use of farm motors; theory and development of the internal combustion engine; design, construction of various internal combustion engines.

414. FARM AND HOME UTILITIES. (2-4) *Credit 4. I.* Installation, operation, care and repair of ventilation, heating, lighting, water supply, sewage disposal, refrigeration units and air conditioning units.

423. FARM ENGINES AND TRACTORS. (1-4) *Credit 3. II.* Operation, care and repair of tractors, trucks, and automobiles; tractor types and sizes and their economic adaptability and utilization.

443. TERRACING AND EROSION CONTROL. (1-4) *Credit 3. II.* Engineering principles of laying off terraces; plotting contour lines and the use of farm levels; use of tape, chain, level, plane table; fundamental principles underlying land drainage.

463. ADVANCED FARM CONSTRUCTION. (1-4) *Credit 3. II.* Building foundations; computing, mixing and pouring concrete; rafter cutting, drawing; figuring lumber bills, painting and finishing structures.

### BIOLOGY

434. BACTERIOLOGY OF DAIRY PRODUCTS. (2-4) *Credit 4. I.* Influence of micro-organisms on the quality of milk and milk products; sanitary control of farm and commercial dairies.

### DAIRYING

112. ELEMENTS OF DAIRYING. (1-2) *Credit 2. I.* An introduction to dairying; branches of the dairy industry; judging, breeding and management of dairy cattle.

223. DAIRY PRODUCTION. (2-2) *Credit 3. II.* The dairy industry; major factors in management of dairy cattle for milk production; production and processing of milk and milk products.

323. DAIRY CATTLE PRODUCTION. (2-2) *Credit 3.* II. The dairy breeds; management of purebred herds; modern testing and breeding methods and their application to profitable dairy farming.

401. SEMINAR. (1-0) *Credit 1.* II. A Comprehensive review of the dairy industry; papers on assigned subjects prepared by students.

403. CREAMERY PLANT MANAGEMENT. (2-2) *Credit 3.* I. Production, transportation, processing, plant management and distribution of milk and related products.

413. MARKET MILK. (2-2) *Credit 3.* I. Sanitary production and processing of milk supply; nutritional value and sanitary conditions.

423. ICE CREAM MAKING. (2-2) *Credit 3.* II. Preparation, care, and processing of materials used; plain and fancy ice cream, sherbets and related products.

433. CHEESE AND BUTTER MAKING. (2-2) *Credit 3.* I. Manufacture, packing and marketing butter and cheese.

442. JUDGING DAIRY PRODUCTS. (1-2) *Credit 2.* I. Judging milk, butter, cheese and ice cream according to established market grades.

443. TECHNICAL CONTROL OF DAIRY PRODUCTS. (2-2) *Credit 3.* I. Scientific methods of analyzing milk and milk products and their application in controlling quality and purity of dairy products.

453. DAIRY HERD OPERATION AND MANAGEMENT. (2-2) *Credit 3.* II. Adjusting the herd and available facilities to market demands; management of the dairy farm.

## ENTOMOLOGY

323. GENERAL ENTOMOLOGY. (2-2) *Credit 3.* II. Insect morphology, life histories, family characteristics, habits and their agricultural relationships.

## HORTICULTURE

222. LANDSCAPE GARDENING. (1-2) *Credit 2.* II. The principles of landscape design and simple designs of small properties.

233. VEGETABLE GARDENING. (2-2) *Credit 3.* II. Principles of successful home and commercial vegetable gardening in the South.

313. FRUIT GROWING. (2-2) *Credit 3.* I. Principles of fruit growing with special reference to the conditions of Texas, including location, varieties, soil, fertilizers, planting and cultural methods; pruning, spraying, harvesting, and sorting also discussed and demonstrated.

343. FOOD PRESERVATION. (1-4) *Credit 3.* I. Equipment, recipes and directions for home food preservation.

401. SEMINAR. (1-0) *Credit 1.* II. Review of current papers and works in the field of horticulture.

423. ADVANCED FRUIT CULTURE. (2-2) *Credit 3.* II. Tree and small fruit productions; planting, breeding, pruning, spacing and protection.

443. FLORICULTURE. (2-2) *Credit 3.* I. Principles of producing flowers for sale; growing of house plants; and arrangement of cut flowers.

463. ADVANCED LANDSCAPE GARDENING. (2-2) *Credit 3.* II. Studies of landscape designs and more complex drawings and designs of large lots of city or rural property.

483. GREENHOUSE OPERATION. (2-2) *Credit 3.* II. Fundamental principles of greenhouse operation; propagation, ventilation, heating, watering, fumigation, soil sterilization and potting.

## POULTRY

223. POULTRY PRODUCTION. (2-2) *Credit 3*. II. Poultry breeds and types; incubation and brooding; culling for egg production; housing and equipment construction and care.

312. POULTRY JUDGING. (1-2) *Credit 2*. I. Production characteristics and evaluation of present breeds and types; production judging methods; standard judging methods; growing and fitting for the show room.

323. COMMERCIAL POULTRY PLANT MANAGEMENT. (2-2) *Credit 3*. I. Comprehensive studies in operating poultry farms; breeding and fattening plants.

401. SEMINAR. (1-0) *Credit 1*. I. A review of current poultry literature and presentation of papers on selected poultry topics.

403. POULTRY MARKETING. (2-2) *Credit 3*. I. Methods of handling of eggs, live and dressed poultry for market; candling and grading eggs; killing, dressing, grading and packing poultry for market.

413. POULTRY PHYSIOLOGY. (2-2) *Credit 3*. I. Respiration, digestion and excretion; metabolism and nutrients; feeding and care of chicks on various diets.

423. HATCHERY MANAGEMENT. (2-2) *Credit 3*. II. Commercial hatching in Texas and the United States; problems in hatchery management; sanitation; fumigation and disinfecting incubators.

433. INCUBATION AND BROODING. (2-2) *Credit 3*. II. Development of the chick; survey of literature on incubation and brooding; incubation and brooding chicks; hatchery problems and diets.

443. POULTRY BREEDING. (3-0) *Credit 3*. II. Genetic principles applied to poultry breeding and improvement; inheritance of economically important traits; methods of breeding poultry.

## VETERINARY SCIENCE

223. ANATOMY AND PHYSIOLOGY. (2-2) *Credit 3*. II. Anatomical and physiological structure; digestive, respiratory and genito-urinary organs of horse, ox, pig, sheep, and chicken; common diseases of farm animals and their prevention.

323. ANATOMY AND PHYSIOLOGY. (2-2) *Credit 3*. II. A continuation of Veterinary Science 223 with special emphasis on animal diseases and their control and treatment.

## PLANT SCIENCE

403. PLANT BREEDING AND IMPROVEMENT. (3-0) *Credit 3*. II. Principles involved in breeding economic important crop plants with emphasis on improvement in resistance to disease, drought, insects and extreme temperatures, and for machine harvesting and cultivation.

413. PLANT PHYSIOLOGY. (2-2) *Credit 3*. I. Structure, physiology of plant organ systems and related principles.

423. PLANT PATHOLOGY. (2-2) *Credit 3*. II. A study of diseases in plants; diseases found in the economic important crop plants.

443. ADVANCED PLANT BREEDING AND IMPROVEMENT. (3-0) *Credit 3*. I. A comprehensive study of breeding methods and their application to the improvement of economic importance crop plants; special problems in plant breeding.

463. PLANT NUTRITION. (2-2) *Credit 3*. II. Importance and use of plant nutrients, fertilizers, manures and lime; comprehensive review of the part played by the minor elements in plant nutrition.

# SCHOOL OF ARTS AND SCIENCES

## COLLEGE OF LIBERAL ARTS

The School of Arts and Sciences offers courses in Biology, Business Administration, Mathematics, Economics, Education, English, History, Music, Physical and Health Education, Physics, Chemistry, Philosophy, Political Science, Sociology, Social Science, Modern Foreign Language, and Library Science.

The first two years' work affords the student an opportunity to survey some of the general fields of the natural and social sciences, language and literature, and to perfect the tools required in more advanced studies. During the last two years of college work, a considerable degree of concentration in a major field is required, although ample opportunity is given for cultivating related interests or pursuing studies which do not fall within the field of the student's major.

All freshmen students are required to register for Orientation (Educ. 103) during the first term in college.

All freshmen are given an English Placement Test and the American Psychological Test. Those freshmen whose percentile on the English Placement test is below the average are placed in English 103. This is a course in addition to the 12 hours required. If, before or by the end of the first nine weeks of the semester, the persons show sufficient ability and accomplishments in English, they are transferred to the regular 113 credit course.

Every student in the School of Arts and Science is required to spend six supervised clock hours per week throughout one year of residence in the long session, or the equivalent thereof in safe form of vocational training. This requirement is commonly referred to as "Industry" and its fulfillment grants two semester hours per semester.

Physical Education practice is required of all women students—two hours per week throughout the freshman and sophomore years.

Unless specifically excused by the President, each student is expected to meet the twenty-four hour education requirement for teacher certification.

All freshmen and sophomore students of the School of Arts and Sciences, unless specifically excused by the Registrar before registration or the Dean of the School of Arts and Sciences after registration, are required to follow the prescribed courses as set forth in the catalogue. The various departments will hold to the work and sequence as outlined herein for those who plan to major within the department. However, a major should always work out his course of study with the department head.

### REQUIREMENTS FOR GRADUATION

The following general requirement must be met by all persons desiring degrees of any type from the School of Arts and Sciences.

Course	Semester Hours
ENGLISH (113, 123, 213, 223) .....	12
FOREIGN LANGUAGE (In one language) .....	12
SOCIAL SCIENCE (Any Social Science) .....	6
NATURAL SCIENCE (Any Natural Science) .....	6
MATHEMATICS (Any Mathematics) .....	6
PHYSICAL EDUCATION (Excluding Practice Courses) .....	6
AMERICAN GOVERNMENT (National and State) .....	6
NEGRO HISTORY (or Elective) .....	3
*RURAL STUDIES (or Elective) .....	3
INDUSTRY .....	4
MILITARY SCIENCE .....	4
EDUCATION .....	18-24 hrs.
PHYSICAL EDUCATION PRACTICE (Women) .....	4

NOTE.—Persons attending extension Centers or Summer Sessions will be required to present four hours in required subjects as an equivalent to three semester hours earned during the regular session.

This does not apply to Summer Session commencing summer of 1950, nor Extension centers granting three semester hours credit.

### MAJOR AND MINOR REQUIREMENTS

After the completion of the sophomore year every student in the School who has not already done so must select with the advice and consent of the Department Head concerned, a department as a major field or a major. In addition to selecting a major field or a major every student must also select another department or other departments for minor fields of concentration and specialization. This is commonly referred to as choosing a minor or minors. Every candidate for graduation from the School of Arts and Sciences must satisfactorily complete a major and a minor before his graduation will be recommended.

At least six hours of the last 12 required for the completion of major and minor must be done in residence. The course may be specified by the department concerned.

### DEGREES

**BACHELOR OF ARTS.** The degree of Bachelor of Arts will be conferred upon candidates who satisfy all the general requirements for graduation and satisfactorily complete their work in English, the Social Sciences, or Music.

**BACHELOR OF MUSIC.** The degree of Bachelor of Music will be conferred upon candidates who satisfy all the general requirements for graduation and complete not less than 75 semester hours in Music.

**BACHELOR OF SCIENCE.** The degree of Bachelor of Science will be conferred upon all candidates who satisfy the general requirements for graduation and satisfactorily complete their major work in Mathematics, Natural Science, or Physical Education.

**BACHELOR OF SCIENCE IN EDUCATION.** The degree of Bachelor of Science in Education will be conferred upon candidates who satisfy all the general requirements for graduation and satisfactorily complete their major work in Education.

NOTE.—Students are advised not to select Secondary Education as a major field of concentration. Those who do will be required to complete a second major in some field other than Education. The type of degree to be awarded any person presenting two majors will be determined from his second major.

## GENERAL CURRICULUM IN THE SCHOOL OF ARTS AND SCIENCES

### FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Education 103—General Orientation .....	3	Education 113—Introduction to Educ. ....	3
English 113—Grammar and Composition ..	3	English 123—Reading and Composition ....	3
Mathematics 173 (or 113) .....	3	Mathematics 183 or 123 .....	3
Elements of Applied Mathematics or College Algebra		Elements of Applied Math. or College Algebra	
Social Science 113 (or History 113) .....	3	Natural Science 123 or (Chem. 124 or Biol. 134) .....	3 or 4
Introduction to the Social Sciences—or Europe 1500-1815		College Science or (General Inorganic or General Zoology)	
Natural Science 113 or (Chem. 114 or Biol. 114) .....	3 or 4	Social Science 123 or (History 123) .....	3
College Science or (General Inorganic Chemistry with Introductory Qualitative Analysis or General Zoology)		Introduction to the Social Sciences or (Europe 1815-1914)	
Military Science 111 (Men)—Elementary..	1	Military Science 121 (Men)—Elementary ..	1
Physical Education 111 (Women) .....	1	Physical Education 121 (Women) .....	1
Freshman Practice		Freshman Practice	
Industry .....	2	Industry .....	2
	18 or 19		18 or 19

### SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 113 .....	3	Foreign Language 123 .....	3
(French or Spanish)		(French or Spanish)	
Elementary French or Elementary Spanish		Elementary French or Elementary Spanish	
Rural Studies (Ed. 223 or Soc. 233) .....	3	Education 233 or Ed. 243) .....	3
(Problems of Rural Teacher or Rural Sociology)		Elementary School Methods and Materials (Rural School Methods)	
Political Science 263 .....	3	Political Science 203 .....	3
American National Government		American State Government	
Electives (or Major Field) .....	6	Electives (or Major Field) .....	6
Military Science 211 (Men) .....	1	Military Science 221 (Men) .....	1
Elementary		Elementary	
Physical Education 211 (Women) .....	1	Physical Education 221 (Women) .....	1
Sophomore Practice		Sophomore Practice	
	16		16

### JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213 .....	3	Foreign Language 223 .....	3
(French or Spanish) Reading and Grammar		Reading and Grammar	
English 213—Public Speaking .....	3	English 223 .....	3
Physical Education (Theory) .....	3	Introduction to Literature	
Electives (or Major) .....	3	Physical Education (Theory) .....	3
Military Science 313 or Elective .....	3	Electives (or Major) .....	3
Advanced		Military Science 323 or Elective .....	3
	15	Advanced	15

### SENIOR YEAR

History 463 or Elective .....	3
Negro History	
Education 353, 443, and 306 or 406 (Including Practice-Teaching) .....	12
Adolescent Psychology, Tests and Measurements, Practice Teaching in Elementary Schools, or Observation and Practice teaching in the High School	
Electives (or Majors and Minor Work) ....	9
Military Science 413 and 423 or Elective ....	6
Advanced	

## THE DEPARTMENT OF ECONOMICS AND BUSINESS ADMINISTRATION

The Department of Economics and Business Administration offers (1) A major or minor in Economics, Business Administration and (2) a two-year course in Secretarial Science.

For a major in the department thirty semester hours are required, of which 12 must be in courses numbered above the Sophomore level. For a minor, students are required to present eighteen semester hours, of which 6 must be in courses numbered above the Sophomore level. The selection of courses must be made in consultation with the Head of the Department.

Those persons selecting a teaching major in the department are expected to select a teaching minor outside the department.

*Departmental Ruling on Academic Status:* In the interest of maintaining well-balanced academic standards, all majors and minors in the Department must maintain an average of "C" in the Freshman and Sophomore courses and an average of "B" in the Junior and Senior

Each student who selects a teaching major in Business Administration is required to show a proficiency in the skills by acquiring a minimum speed of 80 words per minute in typing. In addition to the above requirement, all candidates for a degree or certificate will be expected to spend a period of internship in some business or office, or when teaching certificate is desired, the usual off-campus practice teaching in education must be met.

### SUGGESTED PROGRAM—(TEACHING) MAJORS IN BUSINESS ADMINISTRATION

#### FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Natural Science 113 .....	3	Natural Science 123 .....	3
College Science		College Science	
English 113 .....	3	English 123 .....	3
Grammar and Composition		Reading and Composition	
Mathematics 113 or 173 .....	3	Mathematics 123 or 183 .....	3
Applied Math. or College Algebra		Applied Math. or Trigonometry	
Orientation 103 .....	3	Education 113 .....	3
Social Science 113 .....	3	Introduction to Education	
Introduction to Social Science		Social Science 123 .....	3
Military Science 111 .....	1	Introduction to Social Science	
Elementary or		Military Science 121 .....	1
Physical Education 111 .....	1	Elementary or	
Freshman Practice		Physical Education 121 .....	1
Industry .....	2	Freshman Practice	
	18	Industry .....	2
			18

#### SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 113 .....	3	Foreign Language 123 (Fren. or Span.)....	3
Elementary French or Elem. Spanish		Elementary French or Elem. Spanish	
Bus. Adm. 232 .....	2	Bus. Adm. 242 .....	2
Typewriting		Typewriting	
Economics 213 .....	3	Economics 223 .....	3
Principles of Economics		Principles of Economics	
Political Science 263 .....	3	Political Science 203 .....	3
National Government		State Government	
Bus. Adm. 254 .....	4	Bus. Adm. 264 .....	4
Principles of Accounting		Principles of Accounting	
Military Science 211 .....	1	Military Science 221 .....	1
Elementary or		Elementary or	
Physical Education 211 .....	1	Physical Education 221 .....	1
Practice		Practice	

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213 (Fren. or Span.)	3	Foreign Language 223 (Fren. or Span.)	3
Advanced Grammar and Reading		Advanced Grammar and Reading	
Bus. Adm. 253	3	Bus. Adm. 263	3
Shorthand (Lab. Period)		Shorthand (Lab. Period)	
English 213	3	English 223	3
Public Speaking		World Literature	
Education	3	Bus. Adm. 423	3
Teaching Minor	3	Teaching of Business Subjects	
Bus. Adm. 282	2	Teaching Minor	3
Secretarial Practice		Bus. Adm. 372	2
		Advanced Typewriting	
	—		—
	17		17

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Bus. Adm. 263	3	Practice Teaching	6
Business Law		Bus. Adm. 343—(9 Wks.)	3
Teaching Minor	3	Personnel Management	
Bus. Adm. 473	3	Teaching Minor	3
Occupational Guidance		Elective	3
Education 406	6		—
Practice Teaching			15
	—		
	15		

## SUGGESTED PROGRAM—MAJOR IN (GENERAL)

## BUSINESS ADMINISTRATION

FRESHMAN AND SOPHOMORE YEARS SAME AS REQUIRED OF STUDENTS

## TAKING A TEACHING MAJOR IN BUSINESS ADMINISTRATION

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213 (Fren. or Span.)	3	Foreign Language 223 (Fren. or Span.)	3
Advanced Grammar and Reading		Advanced Grammar and Reading	
Bus. Adm. 263	3	Economics 403	3
Business Law		Money and Banking	
Economics 323	3	Bus. Adm. 363	3
Consumers Economic		Salesmanship	
English 213	3	English 223	3
Public Speaking		World Literature	
Elective	3	Economics 413	3
	—	Labor Legislation	
	15		—
			15

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Bus. Adm. 473	3	Bus. Adm. 343	3
Occupational Guidance		Personnel Management	
Bus. Adm. 313	3	Economics 503	3
Marketing		Economic Theory	
Education 406	6	Practice Teaching	6
Practice Teaching		Elective	3
Elective	3		—
	—		15
	15		



## SUGGESTED PROGRAM FOR ECONOMICS MAJORS

## FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Social Science 113	3	Social Science 123	3
Introduction to Social Science		Introduction to Social Science	
English 113	3	English 123	3
Grammar Composition		Reading and Composition	
Orientation 103	3	Mathematics 183 or 123	3
Economics 173	3	Applied Math. or Trigonometry	
Economic Geography		Economics 183	3
Mathematics 113 or 173	3	Economic Geography	
Applied Math. or College Algebra		Education 113	3
Physical Education 111	1	Physical Education 121	1
Freshman Practice		Freshman Practice	
Industry	2	Industry	2
Military Science	1	Military Science	1
Elementary		Elementary	
	<hr/> 18		<hr/> 18

## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
English 213	3	English 223	3
Public Speaking		World Literature	
Economics 213	3	Economics 223	3
Principles of Economics		Principles of Economics	
Foreign Language 113	3	Foreign Language 123	3
Elementary French or Elementary Spanish		Elementary French or Elementary Spanish	
Natural Science 113	3	Natural Science 123	3
College Science		College Science	
Bus. Adm. 253	3	Education 223	3
Accounting		Problems of the Rural Teacher	
Military Science 211	1	Military Science 221	1
Elementary		Elementary	
Physical Education 211	1	Physical Education 221	1
Sophomore Practice		Sophomore Practice	
	<hr/> 16		<hr/> 16

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213	3	Foreign Language 223	3
Reading and Grammar Review (French) or Advanced Grammar and Reading (Spanish)		Reading and Grammar Review (French) or Advanced Grammar and Reading (Spanish)	
Bus. Adm. 243	3	Political Science 203	3
Introduction to Business		American State Government	
Economics 323	3	Economics 363	3
Economics of Consumption		Business Organization	
Political Science 263	3	Economics 333	3
National Government		Economic History	
Physical Education (Theory)	3	Elective	3
Introduction to Physical Education		Physical Education (Theory)	3
Military Science 313	3	Introduction to Physical Education	
Advanced		Military Science 323	3
	<hr/> 15 or 18	Advanced	
			<hr/> 15 or 18

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Economics 453	3	Economics 503	3
Labor Problems		Elective	3
History 463 or Elective	3	Post-War Economic Policies	
History of the Negro in America		*Practice Teaching	6
Bus. Adm. 363	3	Bus. Adm. 463	3
Salesmanship		Business Law	
Bus. Adm. 473	3	Military Science 423	3
Occupational Guidance		Advanced	
Elective	3		
Military Science 413	3		
Advanced			
	<hr/> 15 or 18		<hr/> 15 or 18

\* Practice Teaching may be either semester.

## TWO YEAR COURSE—SECRETARIAL SCIENCE

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
English 113 .....	3	English 123 .....	3
Grammar Composition .....		Reading and Composition .....	
Social Science 113 .....	3	Social Science 123 .....	3
Introduction to Social Science .....		Introduction to Social Science .....	
Bus. Adm. 232 .....	2	Bus. Adm. 242 .....	2
Typewriting .....		Typewriting .....	
Business Mathematics 113 or .....		Mathematics 183 .....	3
Math. 173 .....	3	Applied Mathematics .....	3
Orientation 103 .....	3	Economics 203 .....	3
Physical Education 111 .....	1	Survey of Economics .....	
Freshman Practice or .....		Physical Education 121 .....	1
Military Science 111 .....	1	Freshman Practice or .....	
Elementary .....		Military Science 121 .....	1
Elective .....	3	Elementary .....	
		Elective .....	3
	18		18

## SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
Bus. Adm. 253 .....	3	Bus. Adm. 263 .....	3
Shorthand (Lab. Period) .....		Shorthand (Lab. Period) .....	
Bus. Adm. 254 .....	4	Bus. Adm. 264 .....	4
Principles of Accounting .....		Principles of Accounting .....	
Bus. Adm. 372 .....	2	Sociology 223 .....	3
Advanced Typing .....		Introduction to Sociology .....	
Bus. Adm. 272 .....	2	Bus. Adm. 282 .....	2
Secretarial Practice .....		Secretarial Practice .....	
Sociology 213 .....	3	Elective .....	5
Introduction to Sociology .....			
Elective .....	3		
	17		17

## DESCRIPTION OF COURSES

## BUSINESS ADMINISTRATION

113-123. SOCIAL SCIENCE. (3-0) *Credit 3.* I and II. Introduction to the Social Sciences.

113. BUSINESS MATHEMATICS. (3-0) *Credit 3.* The simpler exercises and problems of everyday business calculations.

232-242. ELEMENTARY TYPEWRITING. (0-5) *Credit 2.* I and II. Develop the sense of touch, master the ordinary vocabulary and proper techniques in the operation of all mechanical parts of the machine.

253-263. SHORTHAND. (3-0) *Credit 3.* I and II. Thorough knowledge of the fundamental principles of Gregg Shorthand; emphasis on dictation and transcription.

254-264. ACCOUNTING. (2-1) *Credit 4.* I and II. Basic accounting principles and practices.

273. FILING AND RECORD KEEPING. (3-0) *Credit 3.* II. The principles of alphabetic, numeric, geographic and subject filing.

272-282. SECRETARIAL PRACTICE. (2-1) *Credit 2.* I and II. Correlation of business skills with other duties of a secretary. Prerequisites: B. A. 232, 263.

313. MARKETING PRINCIPLES AND PRACTICES. (3-0) I. An introduction to the fundamentals of marketing. It will include a study of products and activities of handling and distribution of commodities in marketing enterprises.

343. INTRODUCTION TO BUSINESS. (3-0) II. The nature of business and its relationship to society; functions common to all business, finance, production, markets, administration and management.

363. SALESMANSHIP. (3-0) *Credit 3*. II. Prerequisite: Economics 213, 223. The approach to selling, how to meet objections, arouse desires and close a sale.

372. ADVANCED TYPEWRITING. (5-0) *Credit 3*. Emphasis upon speed, accuracy, letter writing, business forms, tabulations, and manuscript writing.

453. PRINCIPLES OF INSURANCE. (3-0) *Credit 3*. I. Prerequisite: BA 343, Economics 213, 323. Theory and practice of principal types of insurance.

463. BUSINESS LAW. (3-0) *Credit 3*. I. Prerequisite: Nine hours in Economics. Fundamental principles of law most frequently involved in business transactions.

473. OCCUPATIONAL GUIDANCE. (3-0) *Credit 3*. I and II. Survey of occupational shifts throughout the country and the agencies necessary for training, placing and improving employees.

493-6. BUSINESS APPRENTICESHIP. *Credit 3-6*. I and II. Required of B.A. Majors. Students practice business fundamentals for a period of two months.

#### ECONOMICS

173-183. ECONOMIC GEOGRAPHY. (3-0) *Credit 3*. I and II. Geographic conditions affecting industries throughout the world.

203. SURVEY OF ECONOMICS. (3-0) *Credit 3*. I or II. Study of production, consumption and other economic institutions.

213-223. PRINCIPLES OF ECONOMICS. (3-0) *Credit 3*. I and II. Survey of the field of economics, basic economic principles and practices.

323. ECONOMICS OF CONSUMPTION. (3-0) *Credit 3*. II. Relations between consumption and saving and social income and its fluctuations. Prerequisite: Economics 213 and 223.

333. ECONOMIC HISTORY. (3-0) *Credit 3*. I. The development of agriculture, commerce, industry and transportation from colonial times to the present. Prerequisite: Economics 213 and 223.

343. PERSONNEL MANAGEMENT. (3-0) *Credit 3*. II. The development and importance of employee-employer relationships. Prerequisite: Economics 213-223.

403. MONEY AND BANKING. (3-0) *Credit 3*. I. A study of the theory of money and banking with emphasis upon monetary policy. Special consideration is given to the implication of methods, monetary and banking control.

413. LABOR LEGISLATION. (3-0) *Credit 3*. I. Protective legislation dealing with wages, hours, child labor, old age benefits with unemployment compensation. Prerequisite: 213-223 and 343.

453. LABOR PROBLEMS. (3-0) *Credit 3*. II. The evolution of management union agreements since the turn of the twentieth century. Prerequisite: Economics 413.

593. POST-WAR ECONOMIC POLICIES. (3-0) *Credit 3*. Full employment, investment, foreign trade and finance, price control and fiscal policies. Prerequisite: Economics 213-223 and 323.

503. ECONOMIC THEORY. (3-0) *Credit 3*. II. Analysis of the problems of pricing production, employment and distribution under competitive and noncompetitive conditions. Prerequisite: Graduate standing or senior standing with major in Economics. Prerequisite: Economics 333 and 343.

363. BUSINESS ORGANIZATION. (3-0) *Credit 3*. II. A critical discussion of the theory and practice of Business Organization, including an analysis of executive ability, departmentation and commodity bases of organization and centralization.

## DEPARTMENT OF EDUCATION MAJOR REQUIREMENTS

Students wishing to prepare themselves for teaching in the elementary school should follow the suggested program for a major in Elementary Education. This program includes the necessary work in Music 053 and 063, Elementary Science and Geography 173. Elementary Education majors should select their minor from an area that is related to their teaching field. They will find it valuable to be able to play simple piano accompaniments.

Students wishing to prepare themselves for teaching in the secondary school should follow the suggested program for majoring in one of the usual high school fields like Language Arts (English), Social Studies (History), Science (General Science, Biology, Chemistry), Mathematics, Commercial Subjects, Music, Health and Physical Education, Industrial Arts, Agriculture, Homemaking Education, or Vocational Industrial Education. It is advisable to have a minor which may be used as a second teaching subject.

A "B" average or above must be maintained in major courses.

Each prospective teacher is required to have student teaching experiences which include at least eight weeks in the campus training school and a minimum of eight weeks in a school off the campus. The student is advised to plan his budget so that he will be able to meet the financial obligations of his student teaching experience.

Students who desire elementary certificates should include in their work Music 053 and 073, Elementary Science, and Geography 173.

Each student is required to have Practice Teaching. While in this course, the student spends at least eight weeks in the campus training school and a minimum of eight weeks in a school off the campus.

## SUGGESTED PROGRAM FOR A MAJOR IN ELEMENTARY EDUCATION

### FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
English 113 .....	3	English 123 .....	3
Grammar and Composition		Reading and Composition	
Orientation 103 .....	3	Education 113 .....	3
Social Science 113 or (Hist. 113) .....	3	Introduction to Education	
Introduction to the Social Sciences		Mathematics 183 or 123 .....	3
or (Europe 1500-1815)		Elements of Applied Mathematics	
Mathematics 173 or 113 .....	3	or Trigonometry	
Applied Mathematics or		Social Science 123 .....	3
College Algebra		Man and Society	
Natural Science 113 .....	3	Natural Science 123 .....	3
College Science		College Science	
Phys. Ed. (Women) 111 Freshman or .....	1	Phys. Ed. (Women) 121 Freshman	
Military Sci. (Men) 111 Elementary .....	1	Practice or .....	1
Industry .....	2	Military Science (Men) 121 .....	1
		Elementary	
		Industry .....	2

## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 113 (French or Spanish) .....	3	Foreign Language 123 (French or Spanish) .....	3
Elementary French or Elementary Spanish .....		Elementary French or Elementary Spanish .....	
Rural Studies (Ed. 223 or Soc. 233) .....	3	Education 233 .....	3
Problems of the Rural Teacher or Rural Sociology .....		Elementary School Methods and Materials .....	
Political Science 263 .....	3	Political Science 203 .....	3
American National Government .....		American State Government .....	
Education 273 .....	3	Education 283 .....	3
Music for the Grades .....		Music for the Grades .....	
Art Ed. 253 .....	3	Art Ed. 263 .....	3
Elementary School Art .....		Elementary School Art .....	
Military Science 211 (Men) .....	1	Military Science 221 Elementary .....	1
Elementary .....		Phys. Ed. 221 (Women) .....	1
Phys. Ed. 211 (Women) .....	1	Sophomore Practice .....	
Sophomore Practice .....			
	<hr/> 16		<hr/> 16

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213 (French or Spanish) .....	3	Foreign Language 223 (French or Spanish) .....	3
Reading and Grammar Review or Advanced Grammar and Reading .....		Reading and Grammar Review or Advanced Grammar and Reading .....	
English 213 .....	3	English 223 .....	3
Public Speaking .....		World Literature .....	
Physical Ed. (Theory) 223 .....	3	Phys. Education (Theory) 233 .....	3
Introduction to Phys. Ed. .....		Playground and Community Recreation .....	
Geography 173 .....	3	Education 463 .....	3
Economic Geography .....		Teaching of Reading .....	
Education 343 .....	3	Education 473 .....	3
Child Psychology .....		Elementary Science .....	
Military Science 313 .....	3	Military Science 323 .....	3
Advanced .....		Advanced .....	
	<hr/> 15 or 18		<hr/> 15 or 18

## SENIOR YEAR

First and Second Semesters	Hrs.
History 463 or Elective .....	3
Negro History .....	
Education (Including Practice-teaching) .....	12
Electives .....	15
Military Science 413 and 423 .....	6
Advanced .....	
	<hr/> 30 or 36

## DESCRIPTION OF COURSES

## ORIENTATION

103. GENERAL ORIENTATION. (3-0) *Credit 3.* I or II. Required for entering freshmen in School of Arts and Sciences. Deals with problems of entering students.

## PSYCHOLOGY

103. ELEMENTARY PSYCHOLOGY. (3-0) *Credit 3.* I or II. *Not accepted for credit in education.* Principles of human behavior and their applications.

## EDUCATION

113. INTRODUCTION TO EDUCATION. (3-0) *Credit 3.* I and II. Prerequisite to other courses in Education; Professional problems of education.

223. PROBLEMS OF THE RURAL TEACHER. (3-0) *Credit 3*. I or II. Daily program making, combining classes, health, and community relations in the rural elementary school.

233. ELEMENTARY SCHOOL METHODS AND MATERIALS. (3-0) *Credit 3*. I. and II. The unit, activity program, selection and planning of activities in the school and sources of materials.

243. RURAL SCHOOL METHODS. (3-0) *Credit 3*. I or II. Improvement of rural school instruction. Use of environment.

253. ELEMENTARY SCHOOL ART. (3-0) *Credit 3*. I. Principles, materials, and methods of teaching art in the elementary school.

263. ADVANCED ELEMENTARY SCHOOL ART. (3-0) *Credit 3*. II. Prerequisite: 253. (Continuation of Education 253).

Elements and principles of art as forms of creative expression in relation to the child, to the classroom and in connection with the entire school curriculum; techniques in developing creative ability.

273. ELEMENTARY SCHOOL MUSIC METHODS. (3-0) *Credit 3*. I. Grade school music methods and materials, care and development of child voice.

283. ELEMENTARY SCHOOL MUSIC METHODS. (3-0) *Credit 3*. II. Grade school music methods and materials, care and development of child voice. (Continuation of 273).

293 or 403. CLASSROOM MANAGEMENT. (3-0) *Credit 3*. II. Classroom organization and control. Majors in elementary education enroll in Education 293; majors in Secondary education enroll in Education 403.

306 or 406. PRACTICE TEACHING. *Credit 3-6*. I and II. Supervised on-campus and off-campus practice teaching. Students desiring an elementary certificate enroll for Education 306 and those working for a secondary certificate enroll for Education 406.

313. PRINCIPLES OF SECONDARY EDUCATION. (3-0) *Credit 3*. I and II. Development of secondary school and its organization.

333. TEACHING HIGH SCHOOL SUBJECTS. (3-0) *Credit 3*. I or II. The high school curriculum; organization and presentation of subject matter.

343. CHILD PSYCHOLOGY. (3-0) *Credit 3*. I or II. The child from prenatal period to the beginning of adolescence; major problems in child development.

353. ADOLESCENT PSYCHOLOGY. (3-0) *Credit 3*. I and II. Problems of individuals from pubescence to maturity.

373. VOCATIONAL GUIDANCE. (3-0) *Credit 3*. I and II. Function and scope of guidance; organization and techniques for guidance in the school.

383. EDUCATIONAL PSYCHOLOGY. (3-0) *Credit 3*. I and II. Educationally significant factors involved in the interaction of pupils, teachers, administrators, and community.

433. SCIENCE AND ART OF TEACHING. (3-0) *Credit 0-3*. I and II. Required of students in Education 306 or 406. Lectures and demonstrations by supervising teachers.

443. TESTS AND MEASUREMENTS. (3-0) *Credit 3*. I or II. Principles of making and using tests; use of standard tests.

463. TEACHING OF READING. (3-0) *Credit 3*. Methods of teaching reading on all age and grade levels in elementary school.

473. ELEMENTARY SCIENCE. (3-0) *Credit 3*. Science teaching designed for elementary grades.

## DEPARTMENT OF ENGLISH

### MAJOR REQUIREMENTS

For the degree of Bachelor of Arts with a major in English, thirty semester hours, in addition to English 463, the Teaching of English, which is counted as Education, are necessary. Courses are prescribed as follows:

English 113, 123—Composition .....	6 hours
English 213—Public Speaking .....	3 hours
English 223—Introduction to Literature .....	3 hours
English 303—Journalism .....	3 hours
English 333—Romantic Movement .....	3 hours
English 343—Victorian Literature .....	3 hours
English 353—English Language .....	3 hours
English 363—American Literature .....	3 hours
English 423—Shakespeare .....	3 hours

### MINOR REQUIREMENTS

For a minor in English, twenty-one semester hours in addition to English 463, the Teaching of English, which is counted as Education, are necessary. Courses are prescribed as follows:

English 113, 123—Composition .....	6 hours
English 213—Public Speaking .....	3 hours
English 223—Introduction to Literature .....	3 hours
English 353—English Language .....	3 hours
English 363—American Literature .....	3 hours
English 303—Journalism .....	3 hours

Students are expected to maintain an average of "B" in their English subjects in the freshman and sophomore years and "B" or above in the major field in each of the remaining years.

### SUGGESTED FOUR-YEAR PROGRAM FOR A MAJOR IN ENGLISH

#### FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
English 113—Grammar Comp. ....	3	English 123—Reading and Composition... 3	3
Education 103—or Orien. or Equivalent... 3	3	Education 113 .....	3
Natural Science 113—College Science... 3	3	Introduction to Education and Teaching	
Soc. Sci. 113—Introduction to Soc. Sci.... 3	3	Mathematics 123—Trig. or Math. 183 .....	3
Mathematics 173 or 113 .....	3	Soc. Sci. 123—Introduction to Soc. Sci. .... 3	3
Elements of Applied Mathematics or College Algebra		Natural Science 123—College Science ... 3	3
Physical Education (Women) 111 .....	1	Phys. Ed. 121 (Women) .....	1
Freshman Practice		Freshman Practice	
Military Science 111—Elementary .....	1	Military Science 121—Elementary .....	1
Industry .....	2	Industry .....	2
	18		18

#### SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 113 .....	3	Foreign Language 123 .....	3
Elementary French or Elementary Spanish		Elementary French or Elementary Spanish	
Political Science 263 .....	3	Political Science 203 .....	3
American National Government		American State Government	
Rural Education 223 .....	3	Education 233 .....	3
Problems of the Rural Teacher		Elementary School Methods and Materials	
Physical Education (Theory) 223 .....	3	English 223 .....	3
Introduction to Physical Education		World Literature	
Phys. Ed. Practice 211 (Women) .....	1	Physical Ed. 221 (Women) .....	1
Sophomore Practice		Sophomore Practice	
Military Science (Men) 211 .....	1	Military Science (Men) 221 .....	1
Elementary		Elementary	
English 213 .....	3		
Public Speaking			
	16		16

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213 .....	3	Foreign Language 223 .....	3
Advanced Grammar and Reading		Reading and Grammar Review	
English 303 .....	3	(French) Advanced Grammar and	
Journalism		Reading (Spanish)	
English 353 .....	3	English 363 .....	3
The English Language		American Literature	
Minor .....	6	English 343 .....	3
Military Science 313 .....	3	Victorian Literature	
Advanced		Elective .....	3
		Minor .....	3
	15 or 18	Military Science 323 .....	3
		Advanced	
			15 or 18

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Elective .....	3	English 423 .....	3
English 463 .....	3	Shakespeare	
Teaching of English		Education 383 .....	3
History 463 .....	3	Educational Psychology	
History of the Negro in America		Education 406 .....	6
English 333 .....	3	Practice Teaching	
Romantic Movement		Minor .....	3
Minor .....	3	Military Science 423 .....	3
Military Science 413 .....	3	Advanced	
Advanced			15 or 18
	15 or 18		

N. B.—Courses on the Freshman and Sophomore levels must be taken in the proper sequence

## DESCRIPTION OF COURSES

## ENGLISH

103. REMEDIAL ENGLISH. (3-0) *Credit 3.* Required of students notably deficient in the writing of English; group and individual guidance to develop background for the student to perform effectively on the freshman college level.

At the end of the first nine weeks of the semester, students who demonstrate ability to use the language arts effectively will be transferred to one of the regular sections of freshman English 113.

133. TRADE ENGLISH. (3-0) *Credit 3.* I. Principles of effective business correspondence.

143. TRADE ENGLISH. (3-0) *Credit 3.* II. Continuation of 133; more composition.

113. GRAMMAR AND COMPOSITION. (3-0) *Credit 3.* I. Intensive review of functional grammar; practice in principles of written composition.

123. READING AND COMPOSITION. (3-0) *Credit 3.* II. Continuation of 113. Written work based on provocative readings and periodical literature.

213. PUBLIC SPEAKING. (3-0) *Credit 3.* I and II. Training in fundamental aspects of speech in various types of platform presentation and in public discussion.

223. INTRODUCTION TO LITERATURE. (3-0) *Credit 3.* I and II. Reading for understanding and enjoyment, of literature rich in suggestions for self-revelation and for the forming of desirable social attitudes; emphasis upon the development of effective reading habits.

303. JOURNALISM. (3-0) *Credit 3.* I and II. Theory and practice in different forms of modern journalism; practical work.



333. THE ROMANTIC MOVEMENT. (3-0) *Credit 3*. Poetry of period with emphasis upon poetry of Byron, Keats, Wordsworth, and Coleridge.

343. VICTORIAN LITERATURE. (3-0) *Credit 3*. I and II. Representative selections from leading poets and prose writers of the period.

353. ENGLISH LANGUAGE. (3-0) *Credit 3*. I. Sounds, grammar, vocabulary of the language. Must be taken while in residence for credit towards major or minor.

363. AMERICAN LITERATURE. (3-0) *Credit 3*. II. Survey course; study of literary tendencies in representative selections from chief American writers.

400. WRITING CLINIC. *No Credit*. II. Remedial course for senior and graduate students preparing for English Proficiency.

423. SHAKESPEARE. (3-0) *Credit 3*. I. Brief introduction to Shakespearean drama, the character and conditions of the age; detailed study of representative plays of Shakespeare.

463. TEACHING OF ENGLISH. (3-0) *Credit 3*. II. Methods and materials in teaching of English in junior and senior high schools; limited opportunity for observation and practice teaching. Credit recorded as work in Education. Available only to seniors.

## DEPARTMENT OF MODERN FOREIGN LANGUAGE

No major is offered.

For a minor in language, eighteen semester hours in one language are required; six hours of which must be in courses numbered 300 or above.

### DESCRIPTION OF COURSES

#### FRENCH

113, 123. ELEMENTARY FRENCH. (3-0) *Credit 3*. I and II. The linguistic foundation of the French language; mastery of phonetics; special emphasis on verbs and idiomatic usage.

213, 223. READING AND GRAMMAR REVIEW. (3-0) *Credit 3*. I and II. French conversation, idioms, and verb drill; reading material; simple principles of French grammar and syntax; outside reading required. Prerequisite: Eighteen hours of English.

313. GRAMMAR REVIEW AND METHODS. (3-0) *Credit 3*. I. Methods of language instruction; review of salient principles of grammar and pronunciation. Prerequisite: French 223.

323. INTRODUCTION TO CLASSIC AND ROMANTIC LITERATURE. (3-0) *Credit 3*. Representative selections from French literature and classic and romantic periods; additional readings and reports are assigned. Prerequisite: French 223.

403. MOLIERE. (3-0) *Credit 3*. I or II. Representative work of Moliere; additional readings from the author are assigned. Prerequisite: French 223.

503. INTRODUCTION TO ROMANTICISM. (3-0) *Credit 3*. I or II. Representative work of Hugo; additional readings and reports are assigned. Prerequisite: French 223.

## SPANISH

113-123. ELEMENTARY SPANISH. (3-0) *Credit 3.* I and II. Principles of pronunciation and grammatical construction; principles previously learned; and reproduction of materials from dictation.

213-223. ADVANCED GRAMMAR AND READING. (3-0) *Credit 3.* I and II. Grammar Review; idioms and idiomatic usage, conversation, memorization and practice in reading. Reading and translation. Prerequisite: Spanish 123 or equivalent.

313. GRAMMAR REVIEW AND METHODS. (3-0) *Credit 3.* I. Methods of language instruction; salient principles of grammar and pronunciation. Prerequisite: Spanish 223.

323. SPANISH PROSE AND FREE COMPOSITION. (3-0) *Credit 3.* II. A representative novel is used as the basis of classroom reading, translation, discussion, and composition work. Prerequisite: Spanish 223.

DEPARTMENT OF HISTORY, POLITICAL SCIENCE  
AND PHILOSOPHY

Students majoring in History are required to present thirty hours in the course offerings as listed on the following pages. The total offering is designed to take the student into most of the phases of modern historical development. The student should arrange to begin History 402 in the advanced Junior year.

Minors in history must present eighteen hours in selected course offerings in consultation with the advisor of the Department.

Majors in the combined field of History and Government must present thirty hours in the offerings from two fields as herein indicated, the exact nature of courses to be presented for a major to be determined by the department. Courses from the allied social science fields are to be presented in consultation with the departmental advisor.

DEPARTMENTAL RULING ON ACADEMIC STANDING. In the interest of the maintenance of the proper academic standards, the Department has ruled that all students majoring or minoring in this department must maintain in the lower college courses of the Department (Freshman and Sophomore) the average of "C" and in the upper college courses (Junior and Senior) the average of "B."

## SUGGESTED PROGRAM FOR HISTORY MAJORS

## FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Orientation 103 .....	3	English 123—Reading and Composition....	3
English 113—Grammar Composition .....	3	Mathematics 183 or 123 .....	3
Mathematics 173 or 113 .....	3	Elements of Applied Math. or Trigonometry	
Elements of Applied Mathematics or College Algebra		Education 113—Intro. to Ed. and to Tch.	3
History 113—Europe 1500-1815 .....	3	History 123—Europe 1815-1914 .....	3
Natural Science 113—College Science .....	3	Natural Science 123 — College Science.....	3
Physical Education (Women) 111 .....	1	Physical Education (Women) 121 .....	1
Freshmen Practice		Freshmen Practice	
Military Science (Men) 111—Elementary..	1	Military Science (Men) 121—Elem. ....	1
Industry .....	2	Industry .....	2
	<hr/>		<hr/>
	18		18

## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 113 .....	3	Foreign Language 123 .....	3
Elem. French or Spanish		Elem. French or Spanish	
Sociology 213—Introductory Sociology.....	3	Education 233—Elem. School Methods .....	3
Political Science 263—National Gov. ....	3	Political Science 203 .....	3
History 213—The United States .....	3	State Government	
Military Science 211 (Men)—Elementary..	1	Sociology 223—Introductory Sociology....	3
Physical Education (Women) 211 .....	1	Military Science 221 (Men)—Elem. ....	1
Sophomore Practice		Physical Education (Women) 221 .....	1
Economics 173 .....	3	Sophomore Practice	
Economic Geography		Economics 183—Economic Geography .....	3
	<hr/>		<hr/>
	16		16

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213 .....	3	Foreign Language 223 .....	3
Advanced Grammar and Reading		Advanced Grammar and Reading	
English 213 .....	3	English 223 .....	3
Public Speaking		World Literature	
**History 303 .....	3	*Political Science 313 .....	3
England 1485 to Present		Principles of Political Science	
Economica 213 .....	3	**History 323 .....	3
Principles		The New South 1865	
**History 313 .....	3	**Political Science 213 .....	3
Sectionalism and the Civil War		Political Parties	
*History 333 .....	3	*History 363 .....	3
American Foreign Relations		Historical Methods	
*History 433 .....	3	*History 503 .....	3
Economic History of the U. S. 1492 to Present		History of the Far East	
Military Science 313 .....	3	Education 313 .....	3
Advanced		Principles of Secondary Education	
	<hr/>	Military Science 323 .....	3
	15 or 18	Advanced	
			<hr/>
			15 or 18

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
*History 423 .....	(3)	History 402 (cont'd) .....	(2)
Seminar in American History		Historical Investigative Paper	
*History 353 .....	(3)	*History 373 .....	(3)
Europe 1914 to Present		Problems in Latin American History	
History 402 .....		**History 453 .....	(5)
Historical Investigative Paper		Contemporary United States	
History 463 .....	3	Political Science 403 .....	3
History of the Negro in America		Seminar in International Organizations	
Education (Including Practice Teaching) .....	(12)	History 463 .....	3
Military Science 413 .....	3	History of the Negro in America	
Advanced		Electives .....	(9)
	<hr/>	Military Science 423 .....	3
	15 to 18	Advanced	
			<hr/>
			17 to 20

## PROGRAM FOR HISTORY AND POLITICAL SCIENCE MAJORS

## FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Orientation 103 .....	3	Education 113 .....	3
English 113 .....	3	Introduction to Ed. and Teaching	3
Grammar and Composition		English 123 .....	3
Mathematics 173 or 113 .....	3	Reading and Composition	
Elements of Applied Math. or		Mathematics 183 or 123 .....	3
College Algebra		Elements of Applied Math. or	
History 113 .....	3	Trigonometry	
Europe 1500-1815		History 123 .....	3
Natural Science 113 .....	3	Europe 1815-1914	
College Science		Natural Science 123 .....	3
Military Science 111 (Men) .....	1	College Science	
Elementary		Military Science 121 (Men) .....	1
Physical Ed. Practice 111 (Women) .....	1	Elementary	
Freshmen Practice		or Physical Ed. 121 (Women) .....	1
Industry .....	2	Freshmen Practice	
	18	Industry .....	2
			18

## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 113 .....	3	Foreign Language 123 .....	3
Elem. French or Spanish		Elem. French or Spanish	
Ed. 223 or Soc. 233 .....	3	Education 233 .....	3
Problems of Rural Teacher or		Elementary School Methods	
Rural Sociology		Political Science 203 .....	3
Political Science 263 .....	3	State Government	
National Government		Political Science 213 .....	3
History 213 .....	3	Political Parties	
The United States		History 223 .....	3
Elective .....	3	The United States	
Military Science 211 (Men) .....	1	Military Science 221 (Men) .....	1
Elementary		Elementary	
Physical Education (Women) 211 .....	1	Physical Education (Women) .....	1
Practice		Practice	
	16		16

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213 .....	3	Foreign Language 223 .....	3
Advanced Grammar and Reading		Advanced Grammar and Reading	
English 213 .....	3	English 223 .....	3
Public Speaking		World Literature	
Physical Education Theory 373 .....	3	Physical Education Theory 323 .....	3
Hist. and Prin. of Phy. Educ.		Orgn. and Adm. of Phys. Educ.	
Political Science 313 .....	3	Political Science 433 .....	3
Principles		American Foreign Relations	
History 303 .....	3	Elective or Political Science 323 .....	3
England 1485 to Present		Comparative Government	
Military Science 313 .....	3	Military Science 323 .....	3
Advanced		Advanced	
	15 or 18		15 or 18

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
History 463 .....	3	History 453 .....	3
Negro History		Contemporary United States	
Education (Including Practice		Political Science 403 .....	3
Teaching) .....	12	Seminar in International Organi-	
Military Science 413 .....	3	zations	
Advanced		Electives (Including History 403) .....	9
	15 or 18	Military Science 423 .....	3
		Advanced	
			15 or 18

## DESCRIPTION OF COURSES

*European History*

103. **MEDIEVAL EUROPE.** (3-0) *Credit 3.* Europe from the fall of Rome to 1500; lectures, special reports, selected readings; open on demand; consent of instructor.

113. **EUROPE 1500-1815.** (3-0) *Credit 3.* I. Europe from the Protestant Reformation to the congress of Vienna. (Lectures, note books, quiz sections; open to all Freshmen; required of all majors and minors in the field and serves as the apprentice course in History Teaching; offered every year.)

123. **EUROPE, 1815-1914.** (3-0) *Credit 3.* II. Europe from the fall of Napoleon to World War I. (Lectures, note books, quiz sections. Open to all Freshmen; required of all majors and minors in the field and serves as the apprentice course in History Teaching; offered every year.)

143. **SURVEY OF WESTERN CIVILIZATION, TO 1715.** (3-0) *Credit 3.* Ideals and Institutions connected with the political, social and economic life during periods of Greece, Rome, Feudalism, Renaissance, Reformation. Lectures, reading, test, special reports. (For Social Science Majors).

153. **SURVEY OF WESTERN CIVILIZATION, 1715 TO THE PRESENT** (3-0) *Credit 3.* Ideas and institutions with political, social and economic life in the period of rational liberalism and nationalism, the French Revolution, Nineteenth Century English Liberalism, Nationalistic unifications, socialism, imperialism, and Twentieth Century Fascism, social and Democracy. Lectures, readings, test and special reports. (For Social Science Majors.)

303. **ENGLAND, 1485 TO THE PRESENT.** (3-0) *Credit 3.* II. Modern Britain from the Tudors to the Labor Government. (Lectures, discussions, special reports; offered in odd years. Junior standing or consent of instructor.)

353. **EUROPE, 1914 TO THE PRESENT.** (3-0) *Credit 3.* I. 20th Century Europe in its world revolutionary setting. (Five lectures; the Heritage, Religion, Education, Big Government, Economic Nationalism. Discussions, special reports. Offered in odd years. Junior standing or consent of the instructor prerequisite.)

*American History (General)*

213. **THE UNITED STATES, 1492-1837.** (3-0) *Credit 3.* I. American Development from the period of discovery to the close of the Jackson Presidency. Lectures, discussions, special maps and written reports; offered first semester yearly. Sophomore standing. Required of all majors and minors.

223. **THE UNITED STATES, 1837-1898.** (3-0) *Credit 3.* II. Prerequisite: History 213. Surveys period of Bourgeoise revolution and rise of group democracy in America. (Lectures, discussions, special map and written reports; offered second semester yearly. Sophomore standing. Required of all majors and minors.

433. **AMERICAN FOREIGN RELATIONS, 1775 TO PRESENT.** (3-0) *Credit 3.* I and II. See Political Science 433. Prerequisite: History 213 and 233 and any course in Political Science.

453. **CONTEMPORARY UNITED STATES, 1898 TO THE PRESENT.** (3-0) *Credit 3.* II. Prerequisite: 12 hours of History or consent of instructor; surveys 20th century American development. (Lectures, discussions, special report. Offered in odd years.)

*American History (Regional and Special)*

313. SECTIONALISM AND THE CIVIL WAR, 1700-1865. (3-0) *Credit 3*. I. Taught from regional hypothesis as applied to American development 1700-1865. (Lectures, discussions, special reports, Junior standing. Offered even years).

323. THE NEW SOUTH, 1865. (3-0) *Credit 3*. II. Relation of the South to national development since 1860. (Lectures, discussions, special reports. Junior standing. Offered in even years.)

333. ECONOMIC HISTORY OF THE UNITED STATES, 1492 TO PRESENT. (3-0) *Credit 3*. I. Surveys agriculture, commerce, industry, banking, business organization, and labor. Prerequisites: Six hours of economics or History 213 and 223. (Lectures, discussions, special reports. Offered on demand.)

*Special and Miscellaneous*

363. HISTORICAL METHODS. (3-0) *Credit 3*. II. Historical Techniques and the relation of History to allied Social Sciences. (Lectures, laboratory exercises, special reports. Required of all majors. Prerequisite: Junior standing.)

402. HISTORICAL INVESTIGATIVE PAPER. (2-0) *Credit 2*. II. Open to advanced Juniors and Seniors. Required of all majors in History for graduation credit; allowed upon satisfactory completion of proposed study agreed upon in consultation with advisor.

503. HISTORY OF THE FAR EAST. (3-0) *Credit 3*. I. Political institutions of China, Japan, etc. Open to upper classmen with History 113 and 123, nine hours of Political Science, or consent of instructor.

423 or 703. SEMINAR IN AMERICAN HISTORY, WITH SPECIAL REFERENCE TO TEXAS AND THE SOUTHWEST. (2-0) *Credit 3*. I. Regional problems in specific time areas. Senior status. Special research reports.

373 or 743. PROBLEMS IN LATIN AMERICAN HISTORY. (2-0) *Credit 2*. I. Seminar. Special problems in specific time areas. Advanced Junior or Senior status. Special research reports.

*History of the Negro*

463. HISTORY OF THE NEGRO IN AMERICA. (3-0) *Credit 3*. I or II. African background, Slavery, Freedom and Freeman; minority techniques in the contributions to American Life. Prerequisites: Upper college status.

422. CULTURAL CONTRIBUTIONS OF THE NEGRO. (2-0) *Credit 2*. II. Artistic, scientific, and other cultural contributions. Prerequisites: Upper college status.

## POLITICAL SCIENCE

Social Science majors concentrating in Political Science are required to take at least 30 hours of Political Science. Course 363 is required of all Political Science majors, or a Methods Course in History may be substituted, History 363. Political Science majors must also take at least one semester course in four of these six fields: American Government, Foreign Government, Political Parties, Methodology and Theory, Public Administration, and International law and Relations. Students who are eligible and desire to concentrate in Political Science should consult with the Chairman of the Department.

## POLITICAL SCIENCE MAJOR

## FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Education 103 (Orientation)	3	English 123	3
English 113	3	Reading and Composition	
Grammar and Composition		Education 113	3
History 113	3	Introduction to Education and to Teaching	
Europe, 1500-1815		History 123	3
Natural Science 113	3	Europe 1815-1914	
College Science		Mathematics 183 or 123	3
Mathematics 173 or 113	3	Elements of Applied Math. or Trigonometry	
Elements of Applied Mathematics or College Algebra		Natural Science 123	3
Military Science (Men) 111	1	College Science	
Elementary		Military Science 121 (Men)	1
Physical Ed. Practice 111 (Women)	1	Elementary	
Freshman Practice		Physical Ed. Practice 121 (Women)	1
Industry	2	Freshman Practice	
	18	Industry	2
			18

## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 113	3	Foreign Language 123	3
Elementary French or Elementary Spanish		Elementary French or Elementary Spanish	
Rural Studies 223	3	Education 233	3
Problems of the Rural Teacher		Elementary School Methods and Materials	
Political Science 263	3	Political Science 203	3
American National Government		American State Government	
Political Science 213	3	History 223 (Elective)	3
Political Parties and Electoral Practices		The United States	
History 213 (Elective)	3	Political Science 243	3
The United States		Municipal Administration	
Military Science 211 (Men)	1	Military Science 221 (Men)	1
Elementary or		Elementary or	
Physical Ed. Practice 211 (Women)	1	Physical Ed. Practice 221 (Women)	1
	16		16

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213	3	Foreign Language 223	3
Grammar Review and Methods (French) or Advanced Grammar and Reading (Spanish)		Grammar Review and Methods (French) or Advanced Grammar and Reading (Spanish)	
English 213	3	English 223	3
Public Speaking		World Literature	
Physical Ed. Theory 373	3	Physical Education (Theory) 323	3
History and Principles of Physical Education		Methods in Physical Ed.	
Political Science 313	3	Political Science 303	3
Principles of Political Science		Political Theory	
Political Science 363	3	Eco. 573 or Pol. Sci. 323	3
Bibliography and Methods of Research		Comparative Government and Military Science 323	3
Military Science 313	3	Administration (Pol. Sci. 323) Advanced	
Advanced			
	15 or 18		15 or 18

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Negro History 463	3	Political Science 432	3
Education (Including Practice Teaching)	12	American Foreign Relations	
Military Science 413	3	Political Science 403	3
Advanced		Seminar in International Organizations	
		Political Science 453	3
		Seminar in Problems of Imperialism	
		Electives	6
		Military Science 423	3
		Advanced	
	15 or 18		15 or 18

## DESCRIPTION OF COURSES

*I. American Government*

103. POLITICAL SCIENCE. (3-0) *Credit 3.* Government of Texas and United States.

263 and 513. AMERICAN NATIONAL GOVERNMENT. (3-0) *Credit 3.* I or II. The National Government of the United States; required by law in the State of Texas for Graduation and teacher certification; a prerequisite for other courses in Political Science.

203 and 523. AMERICAN STATE GOVERNMENT. (3-0) *Credit 3.* I or II. Continuation of Political Science 263 and accepted to fulfill the six hours required by law; the government of Texas and responsible citizenship; visits to the state legislature.

233. AMERICAN LOCAL RURAL GOVERNMENT. (3-0) *Credit 3.* II. The governmental organization and functions of countries, townships and villages, paying particular attention to rural government and school boards in Texas. Prerequisites: Six hours of Political Science or three hours of Political Science with permission of the instructor.

243. MUNICIPAL ADMINISTRATION. (3-0) *Credit 3.* II. Municipal government and the administrative problems involved in American cities.

413 and 423. AMERICAN CONSTITUTIONAL LAW. (3-0) *Credit 3.* I and II. The principles of American constitutional law as seen in the leading cases, with special reference to political theories and national development. Prerequisites: Six hours of Political Science.

*II. Political Parties*

213. POLITICAL PARTIES AND ELECTORAL PRACTICES. (3-0) *Credit 3.* I. The organization and work of political parties; the control and conduct of elections, public opinion, and propaganda methods; particular attention to the American party system, and the Negro in the Southern States. Prerequisites: Political Science 243 and 203.

222. SEMINAR IN POLITICAL PARTIES AND ELECTORAL PROBLEMS. (2-0) *Credit 2 or 3.* II. Selected election problems in the Southwest; Negro suffrage and voting participation in Texas. Prerequisites: Six hours of Political Science.

*III. Foreign Government*

323. COMPARATIVE GOVERNMENT AND ADMINISTRATION. (3-0) *Credit 3.* II. A survey of British political institutions and contemporary government forms and functions in Europe and America. A critical estimate of political theories and philosophies. Prerequisite: Six hours of Political Science.

403. SEMINAR IN INTERNATIONAL ORGANIZATIONS. (3-0) *Credit 3.* I or II. Description and evaluation of agencies and procedures of international cooperation devised by states during the past 100 years with emphasis on the period since World War I. Prerequisites: Upper Class status with nine hours of Political Science.

373. SEMINAR IN GOVERNMENTS AND POLITICS OF THE FAR EAST. (3-0) *Credit 3.* I or II. Political institutions of China, Japan, and other Far Eastern countries. Open to upper classmen with nine hours of Political Science.



#### IV. Methodology and Theory

313. PRINCIPLES OF POLITICAL SCIENCE. (3-0) *Credit 3.* I. The nature and purpose of the state; the nature of sovereignty and law, forms and types of government; and relations to the individual. Prerequisites: six hours of Political Science.

363. BIBLIOGRAPHY AND METHODS OF RESEARCH. (3-0) *Credit 3.* II. Bibliographies, the use of public documents and other source materials; investigation and reports on special research problems. Required of all majors of Political Science. Prerequisites: Political Science 263 and 203. Offered as Sociology 563 Social Research. Political Science majors register for Political Science 363.

303 and 353. POLITICAL THEORY. (3-0) *Credit 3.* I and II. History of political thought from the days of Ancient Greece to the present.

#### V. Public Administration

413 and 423. AMERICAN CONSTITUTIONAL LAW. (3-0) *Credit 3.* I and II. The principles of American constitutional law as seen in the leading cases, with special reference to political theories and national development.

422 and 522. SEMINAR IN PUBLIC ADMINISTRATION. (2-0) *Credit 2.* II. An analysis of the American administrative system and the common problems underlying all branches of administration, lectures, individual and group reports, on aspects of Texas Administration. Prerequisites: Nine hours of Political Science or permission of the instructor. (2 hours credit, offered in conjunction with the graduate school each semester.)

#### VI. International Law and Relations

323 and 743. COMPARATIVE GOVERNMENT AND ADMINISTRATION. (3-0) *Credit 3.* II. British political institutions and contemporary government forms and functions in Europe and America. A critical estimate of political theories and philosophies.

453 and 713. SEMINAR IN COLONIAL GOVERNMENT AND PROBLEMS OF IMPERIALISM. (3-0) *Credit 3.* I or II. The great historical imperial systems, colonial governments and the problems of imperialism in the world today. Prerequisites: six hours of Political Science and History 113, 123.

403 and 503. SEMINAR IN INTERNATIONAL ORGANIZATION. (3-0) *Credit 3.* I or II. Agencies and procedures of international cooperation devised by state during the past 100 years with emphasis on the period since the World War. Prerequisites: Upper class status with nine hours of Political Science.

433, 443, 533 and 543. AMERICAN FOREIGN RELATIONS, 1775 TO PRESENT. (3-0) *Credit 3.* I and II. United States in the relation with Latin-America and the rest of the world; public opinion, the economic, social and political forces that have determined American foreign policy. Prerequisites: History 213, 223 and any courses in Political Science. May be taken as History 633 or 643.

463 and 473. PUBLIC INTERNATIONAL LAW. (3-0) *Credit 3.* I and II. The law of the international community; historic development; reorganization by modern states; the position of the United States. Prerequisites: Political Science 263 and 203 or Political Science 433 and 443, or History 443.

## PHILOSOPHY

303. PHILOSOPHIES OF LIFE. (3-0) *Credit 3.* I or II. Designed for those who want to know and understand the main philosophies of life.

313. INTRODUCTION TO PHILOSOPHY. (3-0) *Credit 3.* I. For beginning philosophy students; methods and theories of the field. Prerequisites: Sophomore standing.

323. ETHICS. (3-0) *Credit 3.* II. Development of morals, standards of values, conscience and methods of social control. Prerequisites: Sophomore standing.

413. HISTORY OF ANCIENT MEDIEVAL AND MODERN PHILOSOPHY. (3-0) *Credit 3.* I. Philosophical development from Ancient Greece to the Present. Prerequisites: Philosophy 303.

## LIBRARY SERVICE EDUCATION

The courses in this department are designed for those who plan to serve as full-time school librarians and as teacher-librarians. The curriculum is organized as a combined major in library service and education. It includes a basic group of 18 semester hours in library service and 12 semester hours in education together with other supporting courses.

Those interested in this program of study may commence work on it at the sophomore level.

Students wishing to do a minor in library service-education are required to complete, satisfactorily, 12 semester hours in theory courses so named in the "Description of Courses" below.

Courses 213, 223, and 313 are suggested as electives to other majors who are not interested in the "combined major" but who wish to receive some understanding of and proficiency in library methods. Proficiency in typing will be highly useful to those who undertake the program.

SUGGESTED PROGRAM FOR A COMBINED MAJOR  
IN LIBRARY SERVICE AND EDUCATION

## FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
English 113—Grammar and Composition ..	3	English 123—Reading and Composition ..	3
Education 103—Orientation .....	3	Education 113—Introduction to Ed. ....	3
Social Science 113 or (Hist. 113) .....	3	Mathematics 183 or 123 .....	3
Introduction of the Social Sciences or (Europe 1500-1815) .....	3	Elements of Applied Mathematics or Trigonometry .....	3
Mathematics 173 or 113 .....	3	Social Science 123—Man and Society .....	3
Natural Science 113 .....	3	Natural Science 123 .....	3
Phys. Ed. (Women) 111 .....	1	College Science .....	1
Freshman Practice or Military Sci. (Men) 111—Elementary .....	1	Phys. Ed. (Women) 121 .....	1
Industry .....	2	Freshman Practice or Military Science (Men) 121 .....	1
		Elementary .....	2
		Industry .....	2

## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 113 (French or Spanish) .....	3	Foreign Language 123 (French or Spanish) .....	3
Elementary French or Elementary Spanish .....		Elementary French or Elementary Spanish .....	
Rural Studies (Ed. 223 or Soc. 233) .....	3	Education 233 .....	3
Problems of the Rural Teacher or Rural Sociology .....		Elementary School Methods and Materials .....	
Political Science 263 .....	3	Political Science 203 .....	3
American National Government .....		American State Government .....	
Library Service-Education 213 .....	3	Library Service-Education 223 .....	3
The Library in the School .....		The Library in the School .....	
Physical Ed. (Theory) 223 .....	3	Physical Ed. (Theory) 233 .....	3
Introduction to Phy Ed. .....		Playground and Community Recreation .....	
Military Science 211 (Men) .....	1	Military Science 221 (Men) .....	1
Elementary or .....		Elementary or .....	
Physical Ed. 211 (Women) .....	1	Physical Ed. 221 (Women) .....	1
Sophomore Practice .....		Sophomore Practice .....	
	16		16

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213 (French or Spanish) .....	3	Foreign Language 223 (French or Spanish) .....	3
Reading and Grammar Review or Advanced Grammar and Reading .....		Reading and Grammar Review or Advanced Grammar and Reading .....	
English 213—Public Speaking .....	3	English 223—World Literature .....	3
Library Service-Education 313 .....	3	Library Service-Education 323 .....	3
Administration of School Libraries .....		Administration of School Libraries .....	
Education 343—Child Psychology .....	3	Education 333—Classroom Management .....	3
Military Science 313—Advanced .....	3	Military Science 323—Advanced .....	3
Minor .....	3	Minor .....	3
	15 or 18		15 or 18

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
History 463—Negro History .....	3	Library Service-Education 343 .....	3
Library Service-Education 333 .....	3	Laboratory Work in Library .....	
School Library Reference Materials .....		Education 406—Practice Teaching .....	6
Minor .....	3	Education 383 .....	3
Military Science 413—Advanced .....	3	Educational Psychology .....	
Electives .....	6	Military Science 423—Advanced .....	
		Minor .....	3
	15 or 18		15 or 18

## DESCRIPTION OF COURSES

213. LIBRARY SERVICE-EDUCATION. (3-0) *Credit 3.* I. The library in the school; service practices for children and young people; survey of books by age, psychological and social levels; selection of book materials and audio-visual aids; reading guidance.

313. LIBRARY SERVICE-EDUCATION. (3-0) *Credit 3.* I. Administration of school libraries: library services as related to school objectives and materials; professional aspects of librarianship. program; organization and administration of libraries and library materials; professional aspects of librarianship.

333. LIBRARY SERVICE-EDUCATION. (3-0) *Credit 3.* I. School Library Reference Materials and Tools; types of reference methods, techniques, services; organization for reference services.

223. LIBRARY SERVICE-EDUCATION. (3-0) *Credit 3.* II. Continuation of Library Service-Education 213.

323. LIBRARY SERVICE-EDUCATION. (3-0) *Credit 3.* II. Continuation of Library Service-Education 313 with emphasis on ordering, cataloging, classifying, and library accounting procedures.

343. LIBRARY SERVICE-EDUCATION. (0-3) *Credit 3.* II. Experience work in library methods in selected libraries.

## DEPARTMENT OF MATHEMATICS MAJOR REQUIREMENTS

For a major in mathematics 27 semester hours are required, at least nine of which must be in courses numbering 300 and above.

### MINOR REQUIREMENTS

For a minor in mathematics eighteen hours are necessary, at least six of which must be in courses numbered above 300.

### SUGGESTED PROGRAM FOR A MAJOR IN MATHEMATICS

#### FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Education 103 .....	3	English 123 .....	3
Orientation .....		Reading and Composition .....	
English 113 .....	3	Education 113 .....	3
Grammar and Composition .....		Introduction to Education .....	
Social Science 113 .....	3	Social Science 123 .....	3
Introduction to the Social Sciences .....		Introduction to the Social Sciences .....	
Natural Science 113 .....	3	Natural Science 123 .....	3
College Science .....		College Science .....	
Mathematics 113 .....	3	Mathematics 123 .....	3
College Algebra .....		Trigonometry .....	
Physical Education (Women) 111 or .....	1	Physical Education 121 (Women) or .....	1
Military Science 111 (Men) .....	1	Military Science (Men) 121 .....	1
Elementary .....		Elementary .....	
Industry .....	2	Industry .....	2
	<hr style="width: 50%; margin: 0 auto;"/> 18		<hr style="width: 50%; margin: 0 auto;"/> 15 or 16

#### SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Mathematics 213 .....	3	Mathematics 223 .....	3
Analytical Geometry .....		Differential Calculus .....	
Political Science 263 .....	3	Political Science 203 .....	3
American National Government .....		American State Government .....	
Foreign Language 113 .....	3	Foreign Language 123 .....	3
Elementary French or .....		Elementary French or .....	
Elementary Spanish .....		Elementary Spanish .....	
Rural Education 223 .....	3	Education 233 .....	3
Problems of the Rural Teacher .....		Elementary School Methods .....	
Physical Education (Theory) .....	3	and Materials .....	
Introduction to Physical Ed. .....		Minor .....	3
Physical Ed. Prac. 211 (Women) or .....	1	Physical Education Prac. 221 (Women) .....	1
Military Science (Men) 211 .....	1	or Military Science (Men) 221 .....	1
Elementary .....		Elementary .....	
	<hr style="width: 50%; margin: 0 auto;"/> 16		<hr style="width: 50%; margin: 0 auto;"/> 16

#### JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213 .....	3	Foreign Language 223 .....	3
Reading and Grammar Review .....		Reading and Grammar Review .....	
(French) or Advanced Grammar .....		(French) or Advanced Grammar .....	
and Reading (Spanish) .....		and Reading (Spanish) .....	
English 213 .....	3	English 223 .....	3
Public Speaking .....		World Literature .....	
Mathematics 313 .....	3	Mathematics 323 .....	3
Integral Calculus .....		Intermediate Calculus .....	
Mathematics 343 .....	3	Mathematics 413 .....	3
Solid Analytical Geometry .....		Theory of Equations .....	
Physics (Elective) .....	3	Physics (Elective) .....	3
Military Science 313 .....	3	Military Science 323 .....	3
Advanced .....		Advanced .....	
	<hr style="width: 50%; margin: 0 auto;"/> 15 or 18		<hr style="width: 50%; margin: 0 auto;"/> 15 or 18

		SENIOR YEAR	
First Semester	Hrs.	Second Semester	Hrs.
Education 406 or 306 .....	6	Mathematics .....	3
Practice Teaching .....		College Geometry .....	3
Education 313 .....	3	Physical Education Theory .....	3
Principles of Secondary Education .....		Philosophy .....	3
Education (Methods of Teaching .....		Elective .....	6
Mathematics) .....	3	Military Science 423 .....	3
Elective .....	3	Advanced .....	3
Military Science 413 .....	3		
Advanced .....			15 or 18
	15 or 18		

## DESCRIPTION OF COURSES

## MATHEMATICS

1013. INTERMEDIATE ALGEBRA. (3-0) *Credit 3*. I. Review of elementary algebra.
113. COLLEGE ALGEBRA. (3-0) *Credit 3*. I. Selected topics from standard algebra.
123. TRIGONOMETRY. (3-0) *Credit 3*. I. Standard selections from plane trigonometry.
- ✓ 173-183. ELEMENTS OF APPLIED MATHEMATICS. (3-0) *Credit 3*. I. and II. Review of fundamental operations with applications to business practices.
193. ADVANCED PLANE GEOMETRY. (3-0) *Credit 3*. More advanced topics on Euclidean plane geometry.
213. ANALYTICAL GEOMETRY. (3-0) *Credit 3*. I. The point, the straight line, and the conic sections.
223. DIFFERENTIAL CALCULUS. (3-0) *Credit 3*. II. The differentiation of algebraic and transcendental functions with applications.
313. INTEGRAL CALCULUS. (3-0) *Credit 3*. I. Evaluating ordinary integrals and their application to practical problems.
323. INTERMEDIATE CALCULUS. (3-0) *Credit 3*. Selected topics beyond 223 and 313.
343. SOLID ANALYTICAL GEOMETRY. (3-0) *Credit 3*. II.
413. THEORY OF EQUATIONS. (3-0) *Credit 3*. I. Fundamental discussions of elementary equations.
423. DIFFERENTIAL EQUATIONS. (3-0) *Credit 3*. I and II. Ordinary differential equations and their application.
443. METHODS OF TEACHING MATHEMATICS IN ELEMENTARY AND HIGH SCHOOLS. (3-0) *Credit 3*. II. See Department of Education for description.

## DEPARTMENT OF MUSIC

The Department of Music has planned a program that will provide opportunities for a more thorough recognition of the student's needs and interests, with special effort to help him discover and develop his potentialities and functions as a contributing citizen in his community through the following aims:

## The Program—

1. To be a vital one functioning in keeping with the present trends of philosophy and practice in music education; providing the educational preparation and technical skill required of those who are planning to become teachers, performers or composers; and having meaning for those who are non-professional devotees of music.

2. To develop in the student those musical potentialities which may be latent and not as yet recognized.
3. To provide a more complete integration of music subject matter and other phases of the college curricula, with special emphasis on the inclusion of musical performance in the actual teaching situation.

### MAJOR REQUIREMENTS

The degree of Bachelor of Science with a major in music is offered for the completion of 130 semester hours in the prescribed curriculum of music education with emphasis upon one of the applied fields. The minimum music requirement for the degree is 54 hours.

The degree of Bachelor of Music is offered for the completion of a minimum of 150 semester hours of which 75 in music are the minimum requirement.

The Bachelor of Music degree is designed to follow the music major baccalaureate with a curriculum of supplementary professionalized and specialized courses in music. Normally, five years are required to complete the work.

Students must maintain an average of "B" or above in 50 per cent of the music subjects in the freshman and sophomore years, and "B" or above in the entire major field in each of the remaining years.

### MINOR REQUIREMENTS

For a minor in music 24 semester hours are required, 8 of which must be applied music. The minor is offered with emphasis upon methods and materials, and theory.

### OTHER REQUIREMENTS

All students majoring in music are required to participate in vocal and instrumental organizations. All are required to play the piano of sophomore level. This requirement must be met regardless of the number of accumulated credit hours.

### MUSIC ORGANIZATIONS

The College Chorus, Mixed Glee Club, Men's Glee Club, Women's Glee Club, Concert Choir, Quartets, Band and Orchestras offer excellent opportunities for music participation and expressions, and are under direct supervision of teachers of the department. The band is divided into two parts—Concert and Military. The Military Band works in conjunction with the Department of Military Science.

### HONORARY SOCIETY

The Mu Alpha Sigma Honorary Society, organized in 1935-1936, gives recognition for achievement in meritorious performance, scholarship, research and creative efforts in music. Students are elected solely upon the foregoing qualifications, and not upon application for membership.

## COURSE SUMMARY OF MUSIC MAJOR REQUIREMENTS

Course	Hrs.
Piano (Applied) .....	12
Voice (Methods) .....	4
Instruments (Orchestral) .....	8
Methods (Elem., High School and Instr., History) .....	9
Theory .....	18
Education .....	24
English .....	12
Foreign Language .....	12
Mathematics .....	6
Natural Science .....	6
Government .....	6
Negro History .....	3
Physical Education .....	10
	130

## COURSE SUMMARY OF MUSIC MINOR REQUIREMENTS

Course	Hrs.
Piano (Applied) .....	4
Voice .....	2
Instruments .....	2
Theory .....	8
Methods (6) and Conducting (2) .....	8
	24

## YEARLY DISTRIBUTION OF MINOR REQUIREMENTS

FRESHMAN YEAR		
Course	Hrs.	Total Hrs.
Piano (Applied) .....	4	4
SOPHOMORE YEAR		
Voice .....	2	
Theory .....	8	10
JUNIOR YEAR		
Methods .....	6	6
SENIOR YEAR		
Instruments .....	2	
Conducting .....	2	4
		24

## SUGGESTED PROGRAM FOR A MAJOR IN MUSIC

## FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
English 113—Grammar and Composition .....	3	English 123—Reading and Composition .....	3
Ed. 103—General Orientation .....	3	Education 113—Introduction to Ed. ....	3
Mathematics 173 .....	3	Mathematics 183—Bus. Applied Math. ....	3
Business Applied Mathematics .....		Piano 122—Elementary Piano .....	2
Piano 113—Elementary Piano .....	2	Music 162 .....	2
Music—152—Aural Theory—Elem. Solf. ....	2	Aural Theory—Elem. Solf. ....	
Music 152 .....	2	Music 162—Elementary Harmony .....	2
Written Theory—Elem Har. ....		Military Science (Men) 121 .....	1
Military Science (Men) 111—Elementary ..	1	Phys. Ed. (Women) 121 .....	1
Phys. Ed. (Women) 111 .....	1	Music 022—Choral Practice .....	2
Music 012—Choral Practice .....	2	Music 421 .....	1
Music 411 .....	1	Perspectives in Music .....	
Perspectives in Music .....			
	19		19

## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 113 .....	3	Foreign Language .....	3
Elementary French or Elementary Spanish		Elementary French or Elementary Spanish	
Government 263 .....	3	Government 203 .....	3
National Government		State Government	
Piano 212 .....	2	Piano 222 .....	2
Intermediate Piano		Intermediate Piano	
Music 252 .....	2	Music 262 .....	2
Aural Theory—Adv. Solf.		Aural Theory—Adv. Solf.	
Music 252 .....	2	Music 262 .....	2
Written Theory—Adv. Har.		Written Theory—Adv. Har.	
Music 142 .....	2	Music 172 .....	2
Voice Meth. Class		Voice Meth. Class	
Strings 132 .....	2	Woodwinds 132 .....	2
String Class		Woodwinds Class	
Military Science (Men) 211 .....	1	Military Science (Men) 221 .....	1
Elementary		Elementary	
Phys. Ed. (Women) 211 .....	1	Phys. Ed. (Women) 221 .....	1
Music 032 .....	2	Music 042 .....	2
Choral Practice		Choral Practice	
Music 431 .....	1	Music 441 .....	1
Perspectives in Music		Perspectives in Music	
	<hr/>		<hr/>
	20		20

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
English 213 .....	3	English 223 .....	3
Public Speaking		World Literature	
Foreign Language 213 .....	3	Foreign Language 223 .....	3
Grammar and Composition		Grammar and Composition	
Science 113 .....	3	Science 123 .....	3
College Science		College Science	
Education 223 .....	3	Music 332 .....	2
Rural Studies		Conducting	
Piano 312 .....	2	Music 322 .....	2
Advanced Piano		Advanced Piano	
Music 373 .....	3	Brasses 132 .....	2
Elementary Meth.		Brasses Class	
Music 052 .....	2	Music 333 .....	3
Choral Practice		High School Meth.	
Music 451 .....	1	Music 062 .....	2
Perspectives in Music		Choral Practice	
Military Science 313 .....		Music 461 .....	1
Advanced		Perspectives in Music	
		Military Science 323 .....	
		Advanced	
	<hr/>		<hr/>
	20-or 23		21 or 24

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Music 393 .....	3	Music 013 .....	3
Instrumental Music Education		Music History	
Percussion 132 .....	2	Physical Education Theory 403 .....	3
Percussion Class		Playground and Community Recreation	
Physical Education Theory 203 .....	3	Education 406 .....	6
Personal Hygiene		Practice Teaching	
Education 313 .....	3	Education 383 .....	3
Principles of Secondary Ed.		Educational Psychology	
Education 233 .....	3	Music 082 .....	2
Elementary Methods		Choral Practice	
History 463 .....	3	Music 481 .....	1
Negro History		Perspectives in Music	
Music 072 .....	2	Military Science 423 .....	
Choral Practice		Advanced	
Music 471 .....	1		
Perspectives in Music			
Military Science 413 .....			
Advanced			
	<hr/>		<hr/>
	20-or 23		21 or 24



## DESCRIPTION OF COURSES

## PREPARATORY

PIANO 010-020; 030-040. (0-6) *No Credit*. Any one or all required until the student qualifies for Elementary Piano. Fundamentals of piano playing. Hanon. The virtuoso Pianist, Part I. Schumann, Scenes from Childhood (Album for the young.)

FUNDAMENTALS 152-162. (2-0) *Credit 2*. I or (and) II as needed. Fundamentals of music and pre-elementary theory.

## MUSIC LITERATURE, HISTORY AND APPRECIATION

013. HISTORY OF MUSIC. (3-0) *Credit 3*. II. The great movements in the art of music from the Greek period to the present day.

032. APPRECIATION OF MUSIC. (2-0) *Credit 2*. I or II. General music appreciation, introducing and extending knowledge concerning music and background for intelligent listening to music. No previous music knowledge is required. This course is open to all students.

043. MUSIC LITERATURE. (3-0) *Credit 3*. I or II. Various conceptions of style in vocal or instrumental music; the history and analysis of selected compositions, instrumental or vocal.

400 (411, 421, 431, 441, 451, 461, 471, 481) PERSPECTIVES IN MUSIC. (0-0) *Credit 1*. I and II. All four years. For music majors. Extensive individual and group study of problems in music for the development of musicality. Individual and ensemble performances before entire group.

## MUSIC THEORY

062. ANALYSIS OF FORM. (2-0) *Credit 2*. I or II. Practical analysis of simple and intermediate forms, and of eighteenth and nineteenth century harmony as illustrated in the works of such composers as Mendelssohn, Haydn, Mozart, Beethoven and Schubert. Prerequisite: Aural Theory 152-162 and Written Theory 152-162.

AURAL THEORY 152-162. ELEMENTARY SIGHT SINGING AND EAR TRAINING. (2-0) *Credit 2*. I and II. Drill in aural recognition and vocal execution of scales, intervals and embellishments; sight reading in the Treble and Bass Clefs; simple melodic and harmonic dictation.

WRITTEN THEORY 152-162. ELEMENTARY HARMONY. (2-0) *Credit 2*. I. and II. Harmonic phenomena of tones through scales, intervals and chords, and chordal progressions; general harmonizations through the Dominant Seventh Chord and some of the secondary chords.

AURAL THEORY 252-262. ADVANCED SIGHT SINGING AND EAR TRAINING. (2-0) *Credit 2*. I and II. Advanced work in singing intervals and embellishments, and in all seven clefs; taking of melodic and harmonic dictation involving transposition and modulation.

WRITTEN THEORY 252-262. ADVANCED HARMONY. (2-0) *Credit 2*. I. and II. Chords, chromatic alterations; choral harmonizations; harmonic study of Bach Chorales and symphonic movements.

273-283. SCORING FOR BAND AND ORCHESTRA. (3-0) *Credit 3*. I and II. Elementary practical art of band and symphonic scoring.

332. CONDUCTING. (2-0) *Credit 2*. I or II. Baton technique, choral and instrumental conducting in the elementary and high school.

353-363. COUNTERPOINT. (3-0) *Credit 3*. I and II. Two, three, and four-part counterpoint in all species; invertible counterpoint; canonic imitation, and writing in the contrapuntal forms.

453-463. ELEMENTARY COMPOSITION. (3-0) *Credit 3.* I and II. Basic elements of writing. Creative work in the smaller forms for voice, piano and orchestral instruments.

### APPLIED MUSIC

#### *Elementary Courses*

CLARINET 112-122. (OR OTHER WOODWIND INSTRUMENT). (2-6) *Credit 2.* I and II. Tone production, embouchure, breathing, scales and articulation; methods of Rubank and Stubbins for clarinet; Weissenborn for bassoon; Rubank and Wagner for flute, and Barret and Gekeler for oboe.

CORNET 112-122. (OR OTHER BRASS INSTRUMENT). (2-6) *Credit 2.* I and II. Fundamentals of attack; breath control; formation of embouchure; scales. Methods of Arban and Goldman for cornet; Anton Horner and Oscar Franz for French horn; Cimera-Hovey for trombone, and Rubank for saxophone.

VIOLIN 112-122. (OR OTHER STRINGED INSTRUMENT). (2-6) *Credit 2.* I and II. Major and minor scales and arpeggios, first position methods of Gruenberg and Wohlfahrt for violin; Kummer for violoncello; Primrose for viola, and Butler and Simandl for bass.

ORGAN 112-122. (2-6) *Credit 2.* I and II. Preparatory manual exercises and pedal technique; the playing of trios (two manuals and pedals); playing of chorals and preludes, and shorter works for the organ. Organ students must demonstrate ability in piano before admittance to organ classes. Methods of Dickinson and Stainer.

PIANO 112-122. (2-6) *Credit 2.* I and II. Hannon, The Virtuoso Pianist, Part II; Czerny, The School of Velocity, First half; Bach, Two-Part Inventions; Chopin, Preludes; all major and minor scales in four octaves using double and triple rhythms in various accents.

VOICE 112-122. (2-6) *Credit 2.* I and II. Study of tone production breathing, flexibility and phrasing. Simple classics in English and from the Italian Anthology.

#### *Intermediate Courses*

CLARINET 212-222. (OR OTHER WOODWIND INSTRUMENT). (2-6) *Credit 2.* I and II. Chromatic scales; sustained tones; broken chords in all keys; etudes for the instrument; tenor clef for the bassoon; methods of Magnani, Klose and Rose for clarinet; F. Oubradous and Wiessenborn for bassoon; Maquarre and Popp-Soussman for flute, and Barret and Ferling for oboe.

CORNET 212-222. (OR OTHER BRASS INSTRUMENT). (2-6) *Credit 2.* I and II. Double and triple articulations; legato technique; transposition; methods and studies of Arban, Williams and Clarke for cornet; Kopprasch, Oscar Franz and Gallay for French horn; Alban, Cimera and Endresen for trombone, and Pares, Klose and Magnani for saxophone.

VIOLIN 212-222. (OR OTHER STRINGED INSTRUMENT). (2-6) *Credit 2.* I and II. Exercises in change of position; Rode and Dancla, Op. 73 Etudes for violin, Spohr Concert No. 9 for violin; etc. Scales and arpeggios on the viola; three octaves; Gavinies, 24 Etudes for the viola, etc. Duport and Popper Etudes for 'cello; Sonatas by Breval, Sammortini or Eccles for 'cello; Bach, Suite in D Minor for 'cello; positions as far as the seventh for the double bass Watson method and Edouard Nanny, exercises for double bass; Double bass method by Simandl, Part II. etc.

ORGAN 212-222. (2-6) *Credit 2.* I and II. A continuation of technical exercises; the extension of repertory through Preludes and Fugues by Bach; works of Guilmant, Carl, Mendelssohn, etc.; use of organ for church and concert purposes.

PIANO 212-222. (2-6) *Credit 2.* I and II. Hanon, The Virtuoso Pianist completed; Czerny, The School of Velocity completed; Bach, Three-Part Inventions; early keyboard music; Chopin, Waltzes; Haydn, Sonatas.

VOICE 212-222. (2-6) *Credit 2.* I and II. Diatonic and chromatic scales; tone production, vocal embellishments, legato and staccato style; the simple trill; additional songs from a selected list of English songs; selections in Italian and French; an Italian aria from a Mozart opera or another composer of Italian opera; recitatives and arias from such works as "St. Paul," "Elijah," and "Messiah."

#### *Advanced Courses*

CLARINET 312-322; 412-422; 512-522. (OR OTHER WOODWIND INSTRUMENT). (2-12) *Credit 2.* I and II. Advanced technical studies; repertory, including sonatas and concertos; classical romantic and modern literature.

CORNET 312-322; 412-422; 512-522. (OR OTHER BRASS INSTRUMENT). (2-12) *Credit 2.* I and II. Advanced technical studies; repertory, including sonatas and concertos; classical, romantic and modern literature.

VIOLIN 312-322; 412-422; 512-522. (OR OTHER STRINGED INSTRUMENT). (2-12) *Credit 2.* I and II. Advanced technical studies; repertory, including sonatas and concertos; classical, romantic and modern literature.

ORGAN 312-322; 412-422; 512-522. (2-12) *Credit 2.* I and II. Advanced technical studies; service playing, extemporization; repertory, including chorals, sonatas, selected symphonic movements and concertos; classical, romantic and modern literature.

PIANO 312-322; 412-422; 512-522. (2-12) *Credit 2.* I and II. Advanced technical studies including Czerny, The Art of Finger Dexterity; Beethoven, Sonatas, Chopin, Etudes and Ballades; Bach, The Well-Tempered Clavichord, The English Suites and The French Suites; repertory, including solos and concertos of classical, romantic and modern composers.

VOICE 312-322; 412-422; 512-522. (2-12) *Credit 2.* I and II. Advanced technical studies; repertory, including oratorio and opera recitatives and arias in English, Italian, French and German; classical, romantic and modern literature.

#### METHODS AND MATERIALS

BRASSES 132. (GROUP INSTRUCTION). (2-6) *Credit 2.* I or II. Fundamental technique for playing the brass instruments as an aid in understanding how to organize bands and orchestras in the elementary and high school.

PERCUSSION 132. (GROUP INSTRUCTION). (2-6) *Credit 2.* I or II. Fundamental technique for playing the percussion instruments as an aid in understanding how to organize bands and orchestras in the elementary and high schools.

STRINGS 132. (GROUP INSTRUCTION). (2-6) *Credit 2.* I or II. Fundamental technique for playing the stringed instruments as an aid in understanding how to organize orchestras in the elementary and high school.

WOODWINDS 132. (GROUP INSTRUCTION). (2-6) *Credit 2*. I or II. Fundamental technique for playing the woodwind instruments as an aid in understanding how to organize bands and orchestras in the elementary and high school.

142-172. (VOICE CLASS METHODS). (2-6) *Credit 2*. I and II. Basic principles and problems in voice instruction as related to groups as well as the individual with emphasis on the participation approach.

342. (ORGANIZATION AND ADMINISTRATION OF CHORAL GROUPS). (2-0) *Credit 2*. I or II. Technique of organization and administration of elementary and high school choral groups, including tone interpretation, and choral literature. Clinical aspects of the rehearsal and performance.

373. (SUPERVISION AND ADMINISTRATION OF GRADE SCHOOL MUSIC). (3-0) *Credit 3*. I or II. Music teaching and supervision in the grade school and curriculum construction.

383. (SUPERVISION AND ADMINISTRATION OF HIGH SCHOOL MUSIC). (3-0) *Credit 3*. I or II. Evaluate criteria of music teaching and supervision in junior and senior high school.

393. (INSTRUMENTAL MUSIC EDUCATION). (3-0) *Credit 3*. I or II. Evaluation of current principles and procedures in the teaching of instrumental music in the elementary and high school including methods of instruction, and organization of materials.

403. (OBSERVATION AND PRACTICE TEACHING OF APPLIED MUSIC). (3-0) *Credit 3*. I or II. Teaching of applied music in groups and to individuals through apprenticeship and upon one's own under the guidance of a critic teacher.

442. (THE STUDY OF PIANO ACCOMPANYING). (2-6) *Credit 2*. I or II. Accompanying vocal and instrumental soloists and groups. Acquaintance with accompaniments of standard literature (orchestral, operatic, oratorio, etc.)

503. (PRACTICE TEACHING OF MUSIC IN THE GRADES). (See Department of Education for description.)

603. (PRACTICE TEACHING OF MUSIC IN THE JUNIOR AND SENIOR HIGH SCHOOL). (See Department of Education for description).

#### MUSIC ENSEMBLES

112, 122, 212, 222, 312, 322, 412, 422 (CHORAL PRACTICE). (*College Choir*). ( $\frac{1}{2}$ -4) *Credit 2*. I and II—all four years. Sacred and secular choral music, cantatas and oratorios—offering excellent practical opportunities for expression in part singing. A cappella and accompanying singing.

111, 121, 211, 221. (MILITARY-CONCERT BAND). (1-4) *Credit 1*. I and II—all four years. A military concert organization for concert and military music. Experience in advanced band literature.

410. (TWO-PIANO PLAYING). (0-6) *No Credit*. I or II. Excellent opportunity for obtaining poise in piano playing, and for developing an accurate rhythmic sense.

420. (STRING ENSEMBLES). (0-6) *No Credit*. I or II. A small ensemble serving as the nucleus for the symphony orchestra.

#### DEPARTMENT OF NATURAL SCIENCE

The Department of Natural Science includes Chemistry, Physics Biology and Science. Each section has a chairman and its respective re-

quirements for major and minor students. Separate as they are, each works coordinately with each other to perfect a unified program.

The department offers courses designed to prepare students for industry, teaching profession, pre-medicine, and other pre-professions that require a scientific background. Credits earned here are accepted by all A class medical schools.

Arrangements are made whereby students may take the Graduate Record Examination, the Medical College Admission Test and Dental Aptitude Test.

## BIOLOGY

The courses in Biology fall primarily into three groups: those satisfying the basic requirements of general education, those intended to give sufficient knowledge to support majors in other fields (Agriculture, Chemistry, Education, Home Economics, Nursing Education, Physical Education), and those designed primarily to furnish a foundation for professional work in Biology and Medicine.

For a major in Biology, a minimum of 34 semester hours of work is required of which at least 12 must be numbered 300 and above. Of the 34 hours the following courses must be included: Biology 114, 124, 134, 314, 324, 414, 424 and 502.

In addition to the above requirements for a major the following courses must be presented: Chemistry 114, 124, and Mathematics 113 and 123. Each person is also required to present in thesis form the result of a scientific investigation.

Twenty hours are necessary for a minor in Biology which will include the following courses: Biology 114, 124, 134, 314, and 324.

In addition to the 20 semester hours each minor of Biology must present Chemistry 114 and 124.

All major or minor students must maintain an average of C or above in all science courses; if a student's average drops below C at the end of the sophomore year, he will be asked to change to another major or minor field.

## SUGGESTED OUTLINE FOR A MAJOR IN BIOLOGY

### FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Biology 114 .....	4	Biology 124 .....	4
General Zoology .....		General Zoology .....	
English 113 .....	3	English 123 .....	3
Grammar Composition .....		Reading and Composition .....	
Mathematics 113 .....	3	Mathematics 123 .....	3
College Algebra .....		Trigonometry .....	
Chemistry 114 (if Minor) .....	5	Chemistry 124 (if Minor) .....	5
General Inorganic Chemistry with		General Inorganic Chemistry with	
Introductory Qualitative Analysis or		Introductory Qualitative Analysis or	
History 113 .....	3	History 123 .....	3
European or .....		European or .....	
Social Science 113 .....	3	Social Science 123 .....	3
Introduction to Social Science .....		Introduction to Social Science .....	
Orientation 103 .....	3	Education 113 .....	3
Phys. Ed. Practice 111 (Women) .....	1	Introduction to Education and	
Freshman Practice, or .....		to Teaching .....	
Military Science (Men) 111 .....	1	Phys. Ed. Practice 121 (Women) .....	1
Elementary .....		Freshman Practice, or .....	
Industry .....	2	Military Science (Men) 121 .....	1
		Elementary .....	
		Industry .....	2

## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Biology 134 .....	4	Chemistry 204 .....	4
General Botany .....		Qualitative Analysis .....	4
Biology 314 .....	4	Biology 324 .....	4
Human Physiology .....		Human Physiology .....	3
French 113 .....	3	French 123 .....	3
Elementary French .....		Elementary French .....	4
Physics 214 .....	4	Physics 224 .....	4
General Physics .....		General Physics .....	1
Physical Edu. 211 (Women) .....	1	Physical Ed. (Women) 221 .....	1
Sophomore Practice or .....		Sophomore Practice or .....	1
Military Science 211 (Men) .....	1	Military Science 221 (Men) .....	1
Elementary .....		Elementary .....	
	<hr/>		<hr/>
	16		16

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Biology 414 .....	4	Biology 424 .....	4
Vertebrate Embryology .....		Comparative Anatomy .....	5
Elective .....	5	Elective .....	3
English 213 .....	3	English 223 .....	3
Public Speaking .....		World Literature .....	2
French 213 .....	3	French 223 .....	2
Reading and Grammar Review .....		Reading and Grammar Review .....	3
Political Science 263 .....	3	Political Science 203 .....	3
National Government .....		State Government .....	3
Military Science (Men) 313 .....	3	Military Science (Men) 323 .....	3
Advanced .....		Advanced .....	
	<hr/>		<hr/>
	18 or 21		18 or 21

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Elective in Major Field .....	4	Elective in Major Field .....	4
Education (including Practice .....		Electives .....	7
teaching) .....	12	Elective .....	3
Military Science 413 .....	3	Military Science 423 .....	3
Advanced .....		Advanced or Elective .....	
	<hr/>		<hr/>
	16 or 19		14 or 17

## DESCRIPTION OF COURSES

## BIOLOGY

114. GENERAL ZOOLOGY. (2-4) *Credit 4.* Fundamental principles of biology from the study of embryology, structure and physiology of the Frog. (For non majors and minors).

115. GENERAL ZOOLOGY. (3-4) *Credit 5.* For majors and minors in Biology; a detailed study of morphology, physiology, ecology, and taxonomy of the vertebrates.

124. GENERAL ZOOLOGY. (2-4) *Credit 4.* Morphology, physiology, and relationship of invertebrate groups. Prerequisite: Biology 114 (For non majors and minors).

125. GENERAL ZOOLOGY. (3-4) *Credit 5.* For majors and minors in Biology; a detailed study of morphology, physiology, ecology, and taxonomy of the invertebrates.

134. GENERAL BOTANY. (2-4) *Credit 4.* Morphology, physiology of flowering plants; structure, method of reproduction and biotic relationships of type representatives of lower plants.

N. E. 154. HUMAN ANATOMY AND PHYSIOLOGY FOR STUDENT NURSES. (2-4) *Credit 4.* The structure and function of the human body: the structure of each of the systems demonstrated by models, charts and animal dissections; their function studied by experiments.

254. GENETICS. (2-4) *Credit 4*. Laws and principles governing heredity in plants and animals; relation to plant and animal improvement and to Eugenics. Prerequisite: Biology 134, 114.

304. PHYSIOLOGY FOR STUDENTS OF HOME ECONOMICS. (2-4) *Credit 4*. Structure and function of human organs and systems as related to Home Economics and good health.

314-324. HUMAN PHYSIOLOGY. (Majors and Physical Ed. Majors). (2-4) *Credit 4*. Structure, physiology of human organ system and related principles. Prerequisite: Biology 114, 124.

334. GENERAL MICROBIOLOGY (Bacteriology). (2-4) *Credit 4*. Morphology, physiology, classification, cultivation of microorganisms, relation to agriculture, premedics, and industry. Prerequisite: General Chemistry, Biology 134 and 114.

354. HISTOLOGICAL TECHNIQUE. (2-4) *Credit 4*. Technique and principles in preparing tissues and organs for microscopic examination.

364. ANIMAL HISTOLOGY. (2-4) *Credit 4*. Microscopic study of tissues and organs of vertebrates; relation of structure to function.

414. VERTEBRATE EMBRYOLOGY. (2-4) *Credit 4*. Structure, principles and progress in vertebrate development; chicken and pig as principal laboratory material. Prerequisite: Biology 124.

424. COMPARATIVE ANATOMY. (2-4) *Credit 4*. Anatomy of organs and organ systems, their function and evolution in major vertebrate types; prerequisite: Biology 114, 124, 414.

502. LABORATORY TECHNIQUE. (1-5) *Credit 2*. I or II. A training course in laboratory methods for prospective teachers of biology. Required of students electing Biology as a major field.

451, 461. RESEARCH. (0-2) *Credit 1*. I. or II. Library and laboratory work on specific problems studied for investigative paper (required of all majors).

#### MICROBIOLOGY

124. MICROBIOLOGY. (2-4) *Credit 4*. General Microbiology for Nurses. Morphology and physiology of microorganism related to health and sanitation. Principles and methods of sterilization. Dissentation and control of microorganism of importance to nursing education.

#### SCIENCE

113-123. COLLEGE SCIENCE. (3-0) *Credit 3*. I and II. A course designed for those students who do not anticipate taking any other course in science. The subject matter is determined by the demand of the students and problems of community and individuals which they meet in a technological world. Lectures and demonstrations are given by members of the college staff whenever their specialties allow them to make a definite contribution. Other general lectures are given by the instructor in charge. Reports and an extensive reading list, in addition to field trips, constitute the methods of instruction.

## DEPARTMENT OF CHEMISTRY

## MAJOR AND MINOR REQUIREMENTS

For a B.S. Degree in Chemistry, 40 semester hours are required of which 16 hours must be in courses numbered 300 or above.

Twenty-three semester hours are required for a minor in Chemistry, of which five hours must be in courses numbered 300.

All students who major or minor in Chemistry must include the following courses: Chemistry 125, 135, 204, 214 and 315. Premedical students are advised to take Chemistry 325. In addition to the above courses, all persons majoring in Chemistry must take the following courses: Mathematics 113, 123, 213, and 224, and Physics 214 and 224.

Students who plan to major or minor in chemistry will be expected to maintain an average of "C" which is the minimum requirement and must take courses 125 and 135 which are designed for students who plan to major and minor in chemistry. This is effective for students who matriculate for the first time September 1951. It is recommended that students include Math. 313 also.

## SUGGESTED OUTLINE FOR A MAJOR IN CHEMISTRY

## FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Chemistry 125 .....	5	Chemistry 135 .....	5
General Inorganic Chemistry with Introductory Qualitative Analysis		General Inorganic Chemistry with Introductory Qualitative Analysis	
English 113 .....	3	English 123 .....	3
Grammar Composition		Reading and Composition	
Mathematics 113 .....	3	Mathematics 123 .....	3
College Algebra		Trigonometry	
Orientation 103 .....	3	Education 113 .....	3
Social Science 113 .....	3	Introduction to Education	
Introduction to Social Science		Social Science 123 .....	3
Phys. Ed. Practice 111 (Women) .....	1	Introduction to Social Science	
Freshman Practice, or		Phys. Ed. Practice (Women) 121 .....	1
Military Science (Men) 111 .....	1	Freshman Practice, or	
Elementary		Military Science (Men) 121 .....	1
Industry .....	2	Elementary	
	21	Industry .....	2
			21

## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Chemistry 204 or 214 .....	4	Chemistry 214 or 224 .....	4
Qualitative Analysis or Quantitative Analysis		Qualitative Analysis or Quantitative Analysis	
Minor .....	3	Education .....	3
Physics 214 .....	4	Mathematics 213 .....	3
General Physics		Analytical Geometry	
French 113 .....	3	French 123 .....	3
Elementary French		Elementary French	
Government 263 .....	3	Physics 224 .....	4
American National Government		General Physics	
Phys. Ed. Practice 211 (Women) .....	1	Phys. Ed. 221 (Women) .....	1
Sophomore Practice, or		Sophomore Practice, or	
Military Science 211 (Men) .....	1	Military Science 221 (Men) .....	1
Elementary		Elementary	
	18		18



## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Chemistry 315 .....	5	Chemistry 325 .....	5
General Organic Chemistry .....		General Organic Chemistry .....	
Mathematics 223 .....	3	Government 203 .....	3
Differential Calculus .....		American State Government .....	
English 213 .....	3	English 223 .....	3
Public Speaking .....		World Literature .....	
French 213 .....	3	French 223 .....	3
Reading and Grammar Review .....		Reading and Grammar Review .....	
Physical Ed. Theory .....	3	Physical Ed. Theory .....	3
Military Science 313 .....	3	Military Science 323 .....	3
Advanced .....		Advanced .....	
	17 or 20		17 or 20

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Chemistry 413 .....	3	Chemistry 423 .....	3
Physical Chemistry .....		Physical Chemistry .....	
Practice Teaching .....	6	Chemistry 433 .....	3
Education .....	3	Physical Chemistry .....	
Minor .....	3	Minor .....	3
Negro History 463 or Elective .....	3	Economics .....	3
Military Science 413 .....	3	Military Science 423 .....	3
Chemistry 451 .....	1	Elective .....	3
Research .....			
	19		18

## DESCRIPTION OF COURSES

## CHEMISTRY

104. CHEMISTRY FOR NURSES. (2-4) *Credit 4.* I. For students of Nursing and Nursing Education; the essentials of inorganic and biological chemistry requisite for nursing.

114-124. GENERAL INORGANIC CHEMISTRY. (3-4) *Credit 4.* The first semester deals chiefly with fundamental laws and theories, the periodic chart, formulas, equations, solutions, and elementary calculations. Prerequisite for 125. The second semester includes chemical equilibrium, detailed consideration inorganic compounds and the introduction of Organic Chemistry.

These courses are for non-majors and minors—for students in Home Economics, Agriculture, and Engineering.

125-135. GENERAL INORGANIC CHEMISTRY. (3-4) *Credit 5.* For students majoring or minoring in chemistry; composition, structure, changes of matter and the laws governing these changes; fundamentals of the most modern concepts. The second semester deals largely with the properties and preparation of the elements and their inorganic compounds.

204. QUALITATIVE ANALYSIS. (2-4) *Credit 4.* Analytical reactions from the point of view of the laws of chemical equilibrium applied to solution of electrolysis; laboratory work of the separation and detection of both metal and non-metal; micro qualitative laboratory techniques; prerequisite: Chemistry 154 and 164.

214-224. QUANTITATIVE ANALYSIS. (2-4) I and II. *Credit 4.* Volumetric and Gravimetric analysis stoichiometrical relations, practical applications. Laboratory work consists of the analysis of samples of salts, ores, water and limestone. Prerequisite: 204.

244. ELEMENTARY PHYSIOLOGICAL CHEMISTRY. *Credit 4.* II. For students of Home Economics and Agriculture. Study of the composition and metabolism of the fats, proteins, carbohydrates, and vitamins. Prerequisite: Chemistry 114, 124.

254. AGRICULTURAL CHEMISTRY. (2-4) *Credit 4.* Designed for students majoring in agriculture. Studying of the composition of plant and animal tissues, animal nutrition, soils, fertilizers, insecticides and quantitative analysis of some compounds directly related to the field of agriculture. Prerequisite: Chemistry 114, 124.

315 and 325. GENERAL ORGANIC CHEMISTRY. (3-4) I and II. *Credit 5.* For chemistry majors and minors, pre-medical, pre-dental, and students of nursing education. Aliphatic and aromatic compounds; preparation and testing of representative compounds of the aliphatic and aromatic substances. Prerequisite: Chemistry 154, 164, 204 and 214.

401. JOURNAL READING AND CHEMICAL LITERATURE. (0-1) I or II. For Chemistry majors. Reports and discussion on current chemical literature and research. Prerequisite: Major in Chemistry or permission of Instructor.

402. ORGANIC PREPARATIONS. (1-4) I or II. *Credit 2.* Preliminary work in the synthesis of Organic compounds and a study of the reaction of compounds of theoretical and industrial importance. Prerequisite: Chemistry 325.

413. ELEMENTARY PHYSICAL CHEMISTRY. (3-0) *Credit 3.* A general study of the properties of the states of matter; rudiments of thermodynamics and its applications to solutions and the liquid state; elements of thermochemistry; molecular constitution and physical properties. Prerequisites: Chemistry 214 (Quantitative Analysis) with at least a grade of C, physics and integral calculus.

423. ELEMENTARY PHYSICAL CHEMISTRY. (3-0) *Credit 3.* A continuation of chemistry 413. Thermodynamic treatment of both homogeneous and heterogenous equilibrium; phase rule and diagrams; chemical kinetics; electrochemistry elements of the quantum theory, photochemistry and atomic and molecular structure. Prerequisite: Chemistry 413 with a grade of at least C.

433. EXPERIMENTAL PHYSICAL CHEMISTRY. (0-6) *Credit 3.* Experiments that involve principles encountered in chemistry 413 and 423; measurements such as molecular weights, heats of combustion and neutralization, density, viscosity, adsorption spectra, reaction rates, surface tension, optical rotation and diffusion rates; electrochemical measurements and their applications. Prerequisite or concurrent: Chemistry 423.

434. BIOCHEMISTRY. (2-4) I or II. *Credit 4.* An introductory course on the chemistry of living matter, foods, metabolism and nutrition. The laboratory works deal with the examination of tests of foods, nutritional studies and the qualitative and quantitative examination of blood and urine. Prerequisite: Chemistry 214, 315 and 325 or permission of instructor.

451, 461. RESEARCH. (0-2) *Credit 1.* I or II. Library and laboratory work on specific problems to be studied for investigative paper required of all majors.

454, 464. INDUSTRIAL ANALYSIS. (1-6) *Credit 4.* I and II. For students interested in industrial chemistry. Analysis of various industrial agricultural food products and examination of water. Prerequisite: Chemistry 224.

## DEPARTMENT OF PHYSICS

## MAJOR AND MINOR REQUIREMENTS

The course offering in Physics is designed for the preparation of three classes of students: those who must present Physics as a pre-requisite to the study of medicine, dentistry, engineering and mechanic arts; those to whom Physics will be an aid to a fuller and more precise interpretation of physical problems arising in other fields of Natural Sciences; and those who desire to major or minor in Physics.

A major in Physics consists of Physics 214, 224, 403 and additional credits to make a total of 32 hours. A minor consists of Physics 214, 224 and additional credit to make a total of 22 hours.

In addition to the above requirements for a major or minor in Physics, the following courses must be presented: Chemistry 114, 124 and Mathematics 113, 123, and a course in differential and integral calculus.

A person majoring in Physics must maintain an average of C or above. If a student's average drops below C at the end of his sophomore year, he will be asked to change to another major field.

## SUGGESTED OUTLINE FOR MAJORS IN PHYSICS

## FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Chemistry 114	4	Chemistry 124	4
General Inorganic Chemistry with Introductory Qualitative Analysis		General Inorganic Chemistry with Introductory Qualitative Analysis	
English 113—Grammar and Comp.	3	English 123—Reading and Composition	3
Mathematics 113—College Algebra	3	Mathematics 123—Trigonometry	3
Social Science 113—Introd. to Soc. Sci.	3	Social Science 123—Introd. to Soc. Sci.	3
Education 103—Orientation	3	Education 113—Introd. to Education	3
Phys. Ed. Practice (Women) 111	1	Phys. Ed. Practice (Women) 121	1
Freshman Practice, or Military Science 111 (Men) Elem.	1	Freshman Practice, or Military Science (Men) 121—Elem.	1
Industry	2	Industry	2
	19		19

## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Physics 214—General Physics	4	Physics 224—General Physics	4
French 113—Elementary French	3	French 123—Elementary French	3
Pol. Sci. 263	3	Pol. Sci. 203	3
American National Government		American State Government	
Education 223	3	Education 233	3
Problems of the Rural Teacher		Elem. School Meths. and Materials	
Mathematics 224	3	Mathematics 313	3
Differential Calculus		Integral Calculus	
Phys. Ed. Practice 211 (Women)	1	Phys. Ed. Practice 221 (Women)	1
Sophomore Practice, or Military Science 211 (Men)	1	Sophomore Practice, or Military Science 221 (Men)	1
Elementary	—	Elementary	—
	17		17

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Physics 312	2	Physics 322	2
Electrical Measurements		Electrical Measurements	
Physics 313	3	Physics 323	3
Electrical Measurements		Electrical Measurements	
Mathematics 213	3	Mathematics 213	3
Analytical Geometry		Analytical Geometry	
Negro History 413	3	Education	3
History of the Negro in America		Biology 324	4
Biology 314	4	Human Physiology	
Human Physiology		Physical Ed. Theory	3
Physical Ed. Theory	3	Playground and Community Recreation	
Introduction to Physical Education		Military Science 323 (Men)	3
Military Science 313 (Men)	3	Advanced	
Advanced	—		—
	18 or 21		18 or 21

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Physics 413 .....	3	Physics 423 .....	3
Electronics .....		Electronics .....	
Physics 413a .....	3	Physics 423b .....	3
Advanced Heat and Sound .....		Advanced Light .....	
Electives .....	9	Electives .....	9
Military Science 413 (Men) .....	3	Military Science 423 (Men) .....	3
Advanced .....		Advanced .....	
	15 or 18		15 or 18

## DESCRIPTION OF COURSES

## PHYSICS

212, 224. GENERAL PHYSICS. (2-4) *Credit 4.* I and II. Mechanics, heat, sound, electricity, and light. Prerequisites: Mathematics 113 and 123 which may be taken concurrently with course.

215-225. GENERAL PHYSICS. (2-6) *Credit 5.* I and II. Offered for majors in Engineering. Mechanics, heat, sound electricity, and light. Prerequisites: Mathematics 113 and 123 which may be taken concurrently with course.

312-322. ELECTRICAL MEASUREMENTS. (0-4) *Credit 2.* I and II. Offered for majors in Electrical Engineering. A laboratory course covering the theory and use of electrical apparatus, methods of measuring current, power, electromotive force, ferro-magnetism, inductance and capacity, Prerequisite: Physics 214, 224 and Calculus; the Calculus may be taken concurrently with this course.

313-323. ELECTRICAL MEASUREMENTS. (3-0) *Credit 3.* I and II. The theory of electricity and magnetism. Physics 312 and 322 must accompany this course.

303. ELEMENTARY PHOTOGRAPHY. (1-4) *Credit 3.* I or II. Image formation, perspective, time exposure, latent image, elementary chemistry of development, contact and projection printing, filters, and colors. Prerequisite: Physics 214 and 224, Chemistry 114 and 124.

413-423. ELECTRONICS. (1-4) *Credit 3.* I and II. The theory of the diode, triode, and multi-element tubes; the cathode ray tubes, phototubes and their applications to engineering; considerable laboratory practice. Prerequisite: Physics 214, 224 and Calculus may be taken concurrently with this course.

413a. ADVANCED HEAT AND SOUND. (1-4) *Credit 3.* I. Properties of gases, elementary theory of thermodynamics and the kinetic theory; laboratory practice in modern methods of temperature measurement, expansion properties of matter, and colorimetry; the transmission and production of sound resonance and vibrational properties of matter. Prerequisites: Physics 214, 224 and Calculus.

423b. ADVANCED LIGHT. (1-4) *Credit 3.* II. The theory of lenses, interference diffraction, polarization; the importance and use of optical instruments; corresponding laboratory work required. Prerequisites: Physics 214, 224 and Calculus.

403. ADVANCED LABORATORY TECHNIQUE. (0-6) *Credit 3.* I or II. This course is required of all majors in Physics. An advanced experimental problem is given under direction. The problem may take the form of a former classical problem in Physics. The outcome of this investigation is recorded in as a thesis. This course is open only to majors in Physics.

## DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

The department of Health and Physical Education offers a four year plan of study leading to the Bachelor of Science degree with a major in Physical Education.

### MAJOR REQUIREMENTS

The department offers general and special courses in Health Education which may be accredited to a combination Major and Minor in the field. Nine semester hours of prescribed Health Education courses will be required of majors, and twenty-three hours of Physical Education, making a total of thirty-two hours. Majors should include the following courses: Health Education: 203, 243, 393; Physical Education: 111, 121, 211, 221, 231, or 241, 373, 323, 343, 443, or 483, 413, or 423, 453, or 463.

### MINOR REQUIREMENTS

Twenty semester hours of work in health and Physical Education in addition to the two years of practice are required for a minor. Students minoring in Physical Education should include the following courses: Health Education 203, 243; Physical Education: 111, 121, 211, 221, 213, 231, or 241, 343, 373, 413, or 453.

### ADDITIONAL REQUIREMENTS

Physical Education Practice courses are required of all women students and men Majoring or Minoring in Physical Education two hours per week throughout the freshman and sophomore years.

One uniform is required of non major students and two uniforms for major students; a blue one piece suit for non majors; and a white and blue one piece suit for women majors. White regulation basketball shoes are also required. The approximate cost of each of these costumes is \$5.25. Women should come either equipped with or prepared to purchase these uniforms for their work in Physical Education.

For men majoring in Physical Education regulation uniform and shoes prescribed by the department are required.

### INTRAMURAL ATHLETICS

This program, combining work in physical education and recreation, is designed primarily to give students an opportunity to learn and to participate in a variety of sports. A Major must at all times be a candidate for one of the varsity or intramural teams.

## SUGGESTED FOUR-YEAR PROGRAM WITH A MAJOR IN PHYSICAL EDUCATION

### FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Orientation 103 .....	3	Education 113 .....	3
English 113 .....	3	Introduction to Education .....	
Grammar and Composition .....		English 123 .....	3
Chemistry 114—Inorganic .....	4	Reading and Composition .....	
Mathematics 173—Applied Mathematics .....	3	Chemistry 124—Inorganic .....	4
Military Science 111—Elementary .....	1	Mathematics 123—Trigonometry .....	3
Phy. Educ. 111—Freshman Practice .....	1	Military Science 121—Elementary .....	1
Social Science 113 .....	3	Phy. Educ. 121—Freshman Practice .....	1
Introduction to Social Science or .....		Social Science 123 .....	3
Equilavent .....		Introduction to Social Science or .....	
Industry .....	2	Equilavent .....	
		Industry .....	2
	—		—
	19		19

### SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 113 .....	3	Foreign Language 123 .....	3
Elementary French or .....		Elementary French or .....	
Elementary Spanish .....		Elementary Spanish .....	
Education 223—Rural Teacher .....	3	English 223—World Literature .....	3
Biology 114—Zoology .....	4	Biology 124—Zoology .....	4
English 213—Public Speaking .....	3	Physical Education 243 .....	3
Physical Education 203 .....	3	Methods in Health Education .....	
Personal Hygiene .....		Education 233 or 243 .....	3
Military Science 211—Elementary .....	1	Military Science 221—Elementary .....	1
Physical Education 211 .....	1	Phy. Educ. 221—Sophomore Practice .....	1
Sophomore Practice .....			
	—		—
	17		17

### JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213 .....	3	Foreign Language 223 .....	3
Reading and Grammar Review .....		Reading and Grammar Review .....	
(French) or Advanced Grammar .....		(French) or Advanced Grammar .....	
and Reading (Spanish) .....		and Reading (Spanish) .....	
Biology 314 .....	4	Biology 324 .....	4
Human Physiology .....		Human Physiology .....	
Government 263 .....	3	Political Science 203 .....	3
American National Government .....		American State Government .....	
Physical Education 231 .....	1	Physical Education 423 or 463 or 261...1 or 3 .....	
Gymnastics or 301 .....		Coaching of Team Sports .....	3
Physical Education 373 .....	3	Physical Education 343 .....	3
History and Principles of .....		Methods and Materials .....	
Physical Education .....		Military Science 323 .....	3
Physical Education 413 or 453 .....	3	Advanced .....	
Coaching of Team Sports .....			
Military Science 313 .....	3		
Advanced .....			
	—		—
	17 or 20		14, 16 or 19

### SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Education 353 .....	3	Negro History 463 .....	3
Adolescent Psychology .....		History of the Negro in America .....	
Education 406 or 306 .....	6	Physical Education 323 .....	3
Practice Teaching .....		Organization and Administration of .....	
Education 443 .....	3	Physical Education .....	
Test and Measurements .....		Physical Education 393 .....	3
Military Science 413 .....	3	Principles of Health Education .....	
Advanced .....		Physical Education 373 .....	3
		History and Principles .....	
		Physical Education 443 or 483 .....	3
		Athletic Training and First Aid .....	
		Military Science 423 .....	3
		Advanced .....	
	—		—
	12 or 15		18 or 21

## THEORY COURSES IN PHYSICAL EDUCATION

CHEMISTRY 114 AND 124. See Department of Chemistry for description. Required of all majors.

ZOOLOGY 114 and 124. See Department of Biology for description. Required of all majors and minors.

HUMAN PHYSIOLOGY 314 and 324. See Department of Biology for description. Required of all majors and minors.

213. INTRODUCTION TO PHYSICAL EDUCATION. (3-0) *Credit 3*. I. Orientation to the field of physical education.

323. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION. (3-0) *Credit 3*. II. Policies in the organization, management and supervision of the physical program. Required of all Majors.

333. METHODS AND MATERIALS FOR TEACHING HEALTH AND PHYSICAL EDUCATION IN ELEMENTARY SCHOOLS. (3-0) *Credit 3*. I. Organization and classification of activities. Each student will be expected to teach activities classes and to evaluate methods of teaching. For elementary teachers and electives.

343. METHODS AND MATERIALS IN PHYSICAL EDUCATION. (3-0) *Credit 3*. II. Organization and classification of activities play areas, equipment and supplies. Each student will be expected to teach activity classes in physical education, and to evaluate methods of teaching physical education (activities). Required of all Majors and Minors.

373. HISTORY AND PRINCIPLES OF PHYSICAL EDUCATION. (3-0) *Credit 3*. I. The history and development of physical education principles and procedures upon which the program should be based. Required of all majors and minors.

403. PLAYGROUND AND COMMUNITY RECREATION. (3-0) *Credit 3*. I. A brief historical review of the growth of the play movement; organization and community activities.

413. COACHING OF TEAM SPORTS OF MEN. (3-0) *Credit 3*. I and II. Practice and instruction in coaching football and basketball and techniques of officiating. Required of all Majors and Minors.

423. COACHING OF TEAM SPORTS FOR MEN. (3-0) *Credit 3*. II. Continuation of 413—Track and baseball.

443. ATHLETIC TRAINING AND FIRST AID. *Credit 3*. II. Theory and practice of preventing and treating athletic injuries; practice in technique of massage and bandaging.

453. COACHING OF TEAM SPORTS FOR WOMEN. (3-0) I. Practice and instruction in coaching softball, volleyball, basketball. Required of Majors and Minors.

463. COACHING OF TEAM SPORTS FOR WOMEN. (3-0) II. Continuation of 453—Field Hockey, Soccer, Speedball.

## PRACTICE COURSES

No courses may be selected for two semesters either in the same year or in different years, except in case of failure in a course. Each student must elect two of the courses from the 100 group, and two from the 200 group thereby completing the practice requirements in physical education. These courses should be taken in the freshman and sophomore years.

111W. FRESHMAN PRACTICE. (0-2) *Credit 1*. I. Low organization games and activities softball, volleyball, for women only.

111M. FRESHMAN PRACTICE. (0-2) *Credit 1*. I. Low organization games and activities touch football, volleyball, gymnastics, for men only.

121W. FRESHMAN PRACTICE. (0-2) *Credit 1*. II. Basketball and hockey, for women only.

121M. FRESHMAN PRACTICE. (0-2) *Credit 1*. II. Gymnastics, basketball, softball, tennis, for men only.

201. MODERN DANCE. (1-2) *Credit 1*. I and II. Fundamental steps designed for beginners.

211W. SOPHOMORE PRACTICE (0-2) *Credit 1*. I. Low organization games and activities, speedball, and soccer, for women only.

211M. SOPHOMORE PRACTICE. (0-2) *Credit 1*. I. Low organization games and activities, speedball, gymnastics, hockey and soccer, for men only.

221W. SOPHOMORE PRACTICE. (0-2) *Credit 1*. II. Badminton, Archery, Folk Dancing, for women only.

221M. SOPHOMORE PRACTICE. (0-2) *Credit 1*. II. Gymnastics, speedball, Archery, and Badminton, for men only.

231-241. GYMNASTICS. (1-2) *Credit 1*. I and II. Theory and practice in gymnastics (Tumbling, stunts, and self testing) for Majors and Minors.

261. FOLK DANCING. (1-2) *Credit 1*. I and II. History appreciation and interpretation of the folk songs, folk stories, and folk customs; mastery of steps in folk dancing.

301. MODERN DANCE. (0-2) *Credit 1*. I and II. A continuation of Modern Dance 201. Free and natural movements; self expression through original and creative dance patterns.

403. COACHING OF INDIVIDUAL SPORTS. (3-0) *Credit 3*. II. Practice and instruction in coaching archery, tennis, badminton, and the techniques of officiating.

473. PHYSIOLOGY OF MUSCULAR EXERCISE. (3-0) *Credit 3*. I. The effects of Physical Education activities on the tissues system, organs of the body. Prerequisites, junior standing.

483. INTRAMURAL SPORTS. (3-0) *Credit 3*. I and II. Methods of organizing and running off tournaments, meets and field days; organization and administration of the intra-mural program in high school.

### HEALTH EDUCATION COURSES

203. PERSONAL HYGIENE. (3-0) *Credit 3*. I and II. Personal health problems; biological basis of life; attitudes toward health, fatigue, ventilation and habit forming drugs. Required of all majors and minors.

243. METHODS AND MATERIALS OF HEALTH INSTRUCTION. (3-0) *Credit 3*. II. The sources of material and techniques in the field. Required of all majors and minors.

253. HEALTH EDUCATION. (3-0) *Credit 3*. I. The three phases of school health; significance of safety and daily programs.

353. PUBLIC SCHOOL AND COMMUNITY HYGIENE. (3-0) *Credit 3*. I and II. Health problems related to the school and community.

393. PRINCIPLES OF HEALTH. (3-0) *Credit 3*. II. Programs now in operation; evaluation in terms of various hygiene and scientific criteria. Required of all majors.



## DEPARTMENT OF SOCIOLOGY AND SOCIAL SERVICE

Students majoring in this department will complete thirty semester hours of either Sociology or Social Service together with twenty-four semester hours distributed over the following fields:

Economics .....	6 hours
History .....	9 hours
Political Science .....	6 hours
Geography or Philosophy .....	3 hours

For a minor in the department one must earn 18 semester hours.

## SUGGESTED PROGRAM FOR A MAJOR IN SOCIOLOGY

## FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
European History 113 .....	3	European History 123 .....	3
Europe, 1500-1815 .....		Europe 1815-1914 .....	
English 113—Grammar Comp. ....	3	English 123—Grammar Comp. ....	3
Natural Science 113—College Science.....	3	Natural Science 123—College Science.....	3
Mathematics 113 .....	3	Mathematics 123 .....	3
College Algebra .....		College Algebra .....	
Orientation 103 .....	3	Elective .....	3
Military Science 111 (Men) .....	1	Military Science 121 (Men) .....	1
Elementary or .....		Elementary or .....	
Physical Education 111 (Women)		Physical Education 121 (Women)	
Freshman Practice .....		Freshman Practice .....	
Industry 112 .....	2	Industry 122 .....	2
	<hr/>		<hr/>
	18		18

## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 113 .....	3	Foreign Language 123 .....	3
Elementary French or .....		Elementary French or .....	
Elementary Spanish .....		Elementary Spanish .....	
History 213 .....	3	Political Science 263 .....	3
The United States .....		American National Government .....	
English 223 .....	3	Sociology 223 .....	3
Introduction to Literature .....		Introductory Sociology .....	
Sociology 213 .....	3	English 213 .....	3
Introductory Sociology .....		Public Speaking .....	
Economics 213 .....	3	Economics 223 .....	3
Principles of Economics .....		Principles of Economics .....	
Military Science 211 .....	1	Military Science 221 .....	1
Elementary, or .....		Elementary, or .....	
Physical Education 211 (Women)		Physical Education 221 (Women)	
	<hr/>		<hr/>
	16		16

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213 .....	3	Foreign Language 223 .....	3
Reading and Grammar Review .....		Reading and Grammar Review .....	
(French) or Advanced Grammar and .....		(French) or Advanced Grammar and .....	
Reading (Spanish) .....		Reading (Spanish) .....	
Sociology 333 .....	3	Political Science 203 .....	3
Social Psychology .....		American State Government .....	
Sociology Elective .....	3	Elective .....	3
Electives .....	6	Sociology 573 .....	3
	<hr/>	Social Statistics .....	
	15	Sociology 303 .....	3
		The Family .....	
			<hr/>
			15

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Sociology 563 .....	3	Sociology 503 .....	3
Social Research .....		Supervised Field Work .....	
Sociology 513 .....	3	Electives .....	12
Social Theory .....		Military Science 423 .....	3
Electives .....	9	Advanced .....	
Military Science 413 .....	3		<hr/>
Advanced .....			15 or 18
	<hr/>		
	15 or 18		

SUGGESTED PROGRAM FOR A MAJOR IN SOCIAL SERVICE

FRESHMAN YEAR  
(See Sociology)

SOPHOMORE YEAR  
(See Sociology)

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213 .....	3	Foreign Language 223 .....	3
Sociology 533 .....	3	Sociology 403 .....	3
Introduction to the Field of Social Work		Introduction to Social Case Work	
Sociology 333 .....	3	Sociology 303 .....	3
Social Psychology		The Family	
Electives .....	6	Sociology 573 .....	3
		Social Statistics	
		Electives .....	3
	15		15

SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Sociology 563 .....	3	Sociology 500 .....	6
Social Research		Supervised Field Work	
Sociology 423 .....	3	Electives .....	9
Introduction to Social Group Work			
Sociology 603 .....	3		
Problems of Child Welfare			
History 463 .....	3		
The Negro in the U. S.			
Elective .....	3		
	15		15

DESCRIPTION OF COURSES

SOCIOLOGY

213. INTRODUCTORY SOCIOLOGY. (3-0) *Credit 3.* I. General phenomena of human society emphasizing fundamental social processes and social problems.

223. INTRODUCTORY SOCIOLOGY. (3-0) *Credit 3.* II. Continuation of Sociology 213; institutional structure and function, fundamental social processes and social problems.

233. RURAL SOCIOLOGY. (3-0) *Credit 3.* I. Analysis of structure and function of rural society, its people, institutions, communities, and problems. Prerequisites: Sociology 213 or Introduction to Social Science.

243. RURAL PLANNING. (3-0) *Credit 3.* II. Programs and policies pertaining to the planning and reorganization of rural society. Prerequisite: Sociology 233.

263. GENERAL SOCIOLOGY. (3-0) *Credit 3.* II. Fundamental concept of Sociology and Social Problems for non-majors.

303. THE FAMILY. (3-0) *Credit 3.* I or II. Nature and development of the family; marital choice and adjustments and crises in family life. Points of view in recent literature.

323. RACE RELATIONS. (3-0) *Credit 3.* II. Analysis of nature of race and culture contacts; rise and course of American race problems, and methods of racial adjustment. Prerequisites: Sociology 213 and 223.

333. SOCIAL PSYCHOLOGY. (3-0) *Credit 3*. I. Personality development through personal-social and cultural-social conditioning; larger group relationships. Prerequisites: Sociology 213 and 223. Open to graduate students by special permission.

343. MODERN SOCIAL PROBLEMS. (3-0) *Credit 3*. II. Analysis of process of personal, family, and community disorganization; methods and measures of social reform. Prerequisites: Six hours of Sociology.

353. SOCIOLOGY FOR NURSES. (3-0) *Credit 3*. I. Concrete treatment of sociological facts and principles; social prospective for Nursing profession: relation of social and economic crises to illness.

SOCIOLOGY 383. METHODS OF TEACHING SOCIAL STUDIES IN SECONDARY SCHOOLS. (3-0) *Credit 3*. II. Methods and devices for teaching History, Economics, Sociology, and Political Science, as well as various social studies on the secondary level. Selection and use of appropriate instructional materials.

413. URBAN SOCIOLOGY. (3-0) *Credit 3*. I. Considers the city and its hinterland as a sociological entity; urban neighborhoods, population groupings and movements, social processes, trends, and problems in the light of historical, ecological and social factors.

513. SOCIAL THEORY. (3-0) *Credit 3*. I. Historical development of theories of social science; the process by which sociology and the various social sciences came into systematic bodies of knowledge. Prerequisites: Twelve hours of Sociology.

563. SOCIAL RESEARCH. (3-0) *Credit 3*. II. Technique of social investigation; case study, historical, statistical and ecological techniques; student required to do one piece of social investigation. Prerequisites: Twelve hours of Sociology.

573. SOCIAL STATISTICS. (3-0) *Credit 3*. II. Techniques of calculating values common to statistical analysis; simple measures of central tendencies through correlation and regression; speed and accuracy on calculating machine emphasized. Prerequisite: College Algebra.

583. CULTURAL ANTHROPOLOGY. (3-0) *Credit 3*. I or II. A study of the origin and development of human culture. Special emphasis is upon schools of culture and contemporary culture. Prerequisites: Nine hours of Sociology. Open to graduate students.

733. CRIMINOLOGY. (3-0) *Credit 3*. I. Nature, extent and causes of crime; various schools of criminology, individualization of criminal treatment, and modern techniques of criminal investigation. Prerequisites: Sociology 213 and 223.

553. SOCIOLOGY SEMINAR. (0-3) *Credit 3*. I or II. For Seniors and Graduate students desiring to do independent research or study in fields not covered by current offering. A staff member supervises the work of each student.

402. SOCIOLOGICAL INVESTIGATIVE PAPER. (2-0) *Credit 2*. I or II. Majors in Sociology will make an investigation of some Sociological problem under the direction of a staff member in the Department.

## SOCIAL SERVICE

403. INTRODUCTION TO SOCIAL CASE WORK. (3-0) *Credit 3.* I or II. The point of view of the social case worker regarding human relationships; appreciation of needs and problems causing individuals to seek help of social agencies; some understanding of the basic process of social case work practice; broad cultural as well as practical value to students going into social work, teaching, (especially visiting teaching) medicine, and related professions.

423. INTRODUCTION TO SOCIAL GROUP WORK. (3-0) *Credit 3.* I or II. Fundamentals of professional group work; group process and behavior; interpersonal relations; the contribution of allied fields, leadership, programs, and agencies as a background for employment, in-service training, or professional education.

433. COMMUNITY ORGANIZATION. (3-0) *Credit 3.* I. Basic community organization processes; the function and operation of local Urban Leagues.

503. SUPERVISED FIELD WORK. (0-3) *Credit 3.* I or II. Limited individual experience and controlled observation with established social agencies where social work techniques previously learned can be applied.

533. INTRODUCTION TO THE FIELD OF SOCIAL WORK. (3-0) *Credit 3.* I or II. Orientation course in the history and field of Social Work; case work, group work, and social welfare planning as well as professional organization. Required for majors and minors in Social Service.

603. PROBLEMS OF CHILD WELFARE. (3-0) *Credit 3.* I or II. Child welfare movements and contemporary children's agencies and their services; programs for improving the home and for substitute care; safeguarding health; employment protection; delinquency prevention and other needs of children and youth.

## MILITARY SCIENCE AND TACTICS

The Reserve Officers' Training Corps at this institution is established as a Senior Division Unit, Class CC (Civilian College), under the provision of the National Defense Act of 1920 as amended. Instruction is conducted in accordance with programs prescribed by the Department of the Army and consists of Branch Material and Branch Immaterial subjects.

Training on the Freshman and Sophomore level is called the Elementary Course and is required of all able-bodied male students in the College with exception of veterans. These courses yield college credit which is applied toward graduation. The successful completion of the Elementary Course normally qualifies the student for appointment as a non-commissioned officer in the Enlisted Reserve Corps.

Enrollment in the Advanced Course (junior and senior years) is limited to students who have successfully completed the Elementary Course or who are veterans with one year or more of honorable military service. Advanced students are selected by the President of the College and the Professor of Military Science and Tactics. Successful completion of the course normally results in the tender of a Commission as a Second Lieutenant in the Officers' Reserve Corps. Outstanding students who are designated Distinguished Military Graduates may file applica-

tions, during the last year at college, for integration into the Regular Army upon graduation. The Professor of Military Science and Tactics may approve applications from certain students desiring to enter upon a one year competitive tour of service to determine qualifications for integration into the Regular Army. All students who are commissioned as Second Lieutenants, Officers' Reserve Corps may file application for a competitive tour.

Students enrolled in the advanced courses are entitled to commutation of subsistence at a rate prescribed by the Secretary of the Army. Based on the present cost of the garrison ration for the Army, this would be more than \$27.00 per month. This amount is computed from an average of ninety cents (\$.90) per day. Advanced students are required to spend one summer in camp at approximately \$75.00 per month, basic salary.

## COURSES OFFERED IN MILITARY SCIENCE AND TACTICS

### ELEMENTARY COURSES

111, 121. (4-0) *Credit 1.* I and II. Military Organization; Military Policy of the United States, National Defense Act, ROTC; Evolution of Warfare; Maps and Aerial Photographs; Military Psychology and Personnel Management; First Aid and Hygiene; Geographical Foundations of National Power; Military Problems of the United States; Military Mobilization and Demobilization; Leadership, Drill, and Exercise of Command.

211 and 221. (4-0) *Credit 1.* I and II. Organization; Weapons, Marksmanship; Technique of Fire of the Rifle Squad; Combat Formations; Scouting and Patrolling; Tactics of the Rifle Squad; Leadership, Drill, and Exercise of Command.

### ADVANCED COURSE

313, 323. (5-0) *Credit 3.* I and II. Organization; Weapons; Gunnery; Communication; Combat Intelligence; Estimate of the Situation and Combat Orders; Field Fortifications; Tactics of the Rifle and Heavy Weapons Platoons and Companies; Leadership, Drill, and Exercise of Command.

413, 423. (5-0) *Credit 3.* I and II. Organization; Command and Staff; Communication; Motor and Transportation; Supply and Evacuation; Troop Movement; New Developments; The Military Team; The Infantry Battalion in Attack and Defense; Military Administration; Military Law and Boards; Military Teaching Methods; Psychological Warfare; Leadership, Drill, and Exercise of Command.

## DEPARTMENT OF COOKING AND BAKING

The Department of Cooking and Baking offers opportunities to students who cannot afford the time or expense of taking a longer course and who desire to apply their efforts directly to acquiring more skill in cooking or baking in order to follow it as a trade.

### Admission

In order to pursue the courses leading to a Certificate of Proficiency in Cooking or Baking, the student must meet the same entrance requirements as are prescribed for entrance to freshman college courses (see Academic Information).

*Requirements for Certificate*

Trade Certificates are awarded for successful completion of the courses outlined with a minimum of 68 semester hours and sixty-eight grade points.

**TWO-YEAR TRADE COURSE IN COOKING**

FIRST YEAR			
First Semester	Hrs.	Second Semester	Hrs.
Mathematics 133	3	Mathematics 143	3
Trade Mathematics		Trade Mathematics	
English 103	3	English 1X3	3
Trade English		Trade English	
Foods 013	3	Foods 023	3
Elementary Nutrition		Marketing and Cooking Methods	
Cooking 117	7	Cooking 127	7
Practice and Theory		Practice and Theory	
Military Science 111	1	Military Science 121	1
Elementary		Elementary	
	17		17

**SECOND YEAR**

First Semester	Hrs.	Second Semester	Hrs.
Cooking 213	3	Cooking 223	3
Advanced Theory		Advanced Theory	
Cooking 215	5	Cooking 225	5
Estimates		Estimates	
Cooking 235	5	Cooking 245	5
Meats		Meats	
Military Science 211	1	Military Science 221	1
Elementary		Elementary	
Elective	3	Baking and Cooking 263	3
	17	Management	
			17

**TWO-YEAR TRADE COURSE IN BAKING****FIRST YEAR**

First Semester	Hrs.	Second Semester	Hrs.
Mathematics 133	3	Mathematics 143	3
Trade Mathematics		Trade Mathematics	
English 103	3	English 1X3	3
Trade English		Trade English	
Foods 013	3	Foods 023	3
Elementary Nutrition		Marketing and Methods	
Baking 117	7	Baking 127	7
Practice and Theory		Practice and Theory	
Military Science 111	1	Military Science 121	1
Elementary		Elementary	
	17		17

**SECOND YEAR**

First Semester	Hrs.	Second Semester	Hrs.
Baking 213	3	Baking 223	3
Advanced Theory		Advanced Theory	
Baking 215	5	Baking 225	5
Bread and Rolls		Bread and Rolls	
Baking 235	5	Baking 245	5
Pastries		Pastries	
Military Science 211	1	Military Science 221	1
Elementary		Elementary	
Elective	3	Baking and Cooking 263	3
	17	Management	
			17

## DESCRIPTION OF COURSES

013, 023. FOODS. *Credit 3.* I and II. Elementary nutrition, marketing and methods of cooking various foods.

117, 127. BAKING. *Credit 7.* I and II. Theory and practice in care and use of equipment; baking technology; various doughs.

117, 127. COOKING. *Credit 7.* I and II. Care of equipment, preparing various foods for cooking; drinks, salads and sauces.

213, 223. BAKING. *Credit 3.* I and II. Theory involved in pastries and various doughs.

213, 223. COOKING. *Credit 3.* I and II. Theory in cooking vegetables, meats and preparation of appetizers.

215, 225. BAKING. *Credit 5.* I and II. Practice in making breads and rolls of various types.

235, 245. BAKING. *Credit 5.* I and II. Practice in pastries and desserts of various types.

215, 225. COOKING. *Credit 5.* I and II. Practice in Quantity Cooking and small cafe cooking.

235, 245. COOKING. *Credit 5.* I and II. Preparation of meats for cooking (butchering, etc.); practice in cooking of meats.

263. BAKING AND COOKING. *Credit 3.* I and II. Managing a business, simple bookkeeping, inventories, buying, etc.

# SCHOOL OF ENGINEERING

The School of Engineering offers many opportunities to students to help them prepare to meet the demands of industry and for leaders and skilled workmen in the various technical professions and vocations. In addition to the professional courses, those designed to prepare skill workmen, the School offers training to prepare teachers of Industrial Education and Trades and Industries.

The Four-Year courses leading to the Bachelor of Science Degree are as follows: Architectural Engineering, Civil Engineering, Electrical Engineering, Industrial Education, and Mechanical Engineering. The first year's program is the same for all curricula in Engineering. Fundamental preparation is given for entering upon work in the several branches of the professions, with some opportunity for specialization through options and electives. To a limited extent, substitutions may be made for certain courses, listed as required, when there appears to be a good reason for them. Each substitution must have the approval of the Dean of the School.

Vocational and Technical Programs are available in the following fields:

Automobile Mechanics	Painting and Decorating
Broom and Mattress Making	Plumbing and Steam Fitting
Cleaning and Pressing	Printing; Linotype Operation
Carpentry and Cabinet Making	Radio Technology
Electrical Maintenance and Repair	Sheet Metal Work
Laundering	Shoe Repairing
Machine Tool Work	Tailoring and Garment Making
Masonry	Stationary Engineering
	Welding, Gas and Electric

## OBJECTIVES

### ARCHITECTURAL ENGINEERING

The curriculum in Architectural Engineering is designed to give the student practical and theoretical training in Architecture and Building Construction. Although it emphasizes the structural and mechanical phases of architecture, it includes architectural design, properties and uses of building materials, estimating construction costs, specification writing, and other phases important to the architectural profession. The aim is to prepare men for careers in the construction industry as: Draftsmen, Designers, Estimators and Building Supervisors, and provide them with the necessary foundation for future independent architectural practice.

Students selecting this option should get practical experience during the summer, either on construction projects or in the office of an Architect or Engineer.



## CIVIL ENGINEERING

The field covered by Civil Engineering is wide, embracing surveying, highway, hydraulic, structural, sanitary, and construction engineering. It is the aim of this curriculum to give broad general training, which will serve as a foundation for development of any special line in the field, and to fit men for technical, administrative and commercial positions, both private and governmental. The training is largely fundamental in nature, but sufficient detailed practice is included to enable the graduate to occupy immediately a productive remunerative position in the field of Civil Engineering.

## ELECTRICAL ENGINEERING

The curriculum in Electrical Engineering is intended to prepare students for entry into one of the many branches of the electrical industry, such as manufacturing, transportation, electrical power, wire and radio communication. In any of these fields, the engineer may engage in design, construction, repair and maintenance, administration, or he may deal with the commercial aspects of Industry. By arranging certain substitutes and taking some extra work, the student may qualify for teaching Mathematics and Science.

## INDUSTRIAL EDUCATION

The curriculum in Industrial Education is designed to prepare students for positions as supervisors and directors of training schools in industry, or as teachers in colleges, junior and senior high schools, and trade schools; also, to give some technical training and experience in shop work and drafting preparatory to entering industry shops. Upon completion of the course the student will receive a certificate valid in any high school or other public school in the State.

*Major*—The requirements for a major in Industrial Education consist of not less than 60 semester hours. Ten semester hours shall be in courses above the sophomore level. Majors shall select one of the following plans:

## PLAN I

*Unit Shop Teacher*

The shop major shall consist of at least 12 semester hours drawing, including engineering drawing, freehand drawing and descriptive geometry. A major concentration of thirty (30) semester hours in shop work shall be selected from one of the areas listed below. An additional eighteen (18) semester hours, including 15 semester hours of related shop work, and 3 semester hours of electives, will go to make up the remainder of the requirements under Plan I.

- |                              |                    |
|------------------------------|--------------------|
| 1. Auto Mechanics            | 9. Plumbing        |
| 2. Broom and Mattress Making | 10. Printing       |
| 3. Dry Cleaning              | 11. Radio          |
| 4. Electricity               | 12. Sheet Metal    |
| 5. Laundering                | 13. Shoe Repairing |
| 6. Machine Shop              | 14. Tailoring      |
| 7. Masonry                   | 15. Welding        |
| 8. Painting and Decorating   | 16. Woodwork       |

## PLAN II

*General Shop Teacher*

The shop major shall consist of at least 12 semester semester hours drawing, including engineering drawing, freehand drawing, and descriptive geometry. A minimum of 8 semester hours in shop work is required in six of the areas listed below.

- |                              |                    |
|------------------------------|--------------------|
| 1. Auto Mechanics            | 9. Plumbing        |
| 2. Broom and Mattress Making | 10. Printing       |
| 3. Dry Cleaning              | 11. Radio          |
| 4. Electricity               | 12. Sheet Metal    |
| 5. Laundering                | 13. Shoe Repairing |
| 6. Machine Shop              | 14. Tailoring      |
| 7. Masonry                   | 15. Welding        |
| 8. Painting and Decorating   | 16. Woodwork       |

*Minor*—A minor in Industrial Education requires the completion of 24 semester hours in drawing and shop work. At least 6 semester hours shall be in drafting, including engineering drawing and freehand drawing. The remaining hours must be in shop work with not less than 6 semester hours in any area elected.

## DEGREE REQUIREMENT

## BACHELOR OF SCIENCE DEGREE IN INDUSTRIAL EDUCATION

To earn the Bachelor of Science Degree in Industrial Education, the student must complete 140 semester hours of academic and shop work, including 4 semester hours Military Science (men) or 4 semester hours Physical Education (women), Thirty-six (36) semester hours of total semester hours required for graduation must be in course above the sophomore level. The academic and shop work shall be distributed as follows:

*Major\**—Sixty (60) semester hours, including 10 semester hours in advanced courses, in drawing and ship work according to Plan I or II.

*Professional Requirements*—A minimum of 24 semester hours is required from the following list, to include 6 semester hours which shall bear upon high school teaching and 6 of which shall consist of study of methods, observation of methods, and practice teaching

Education 113	3	Industrial Education 213	3
Introduction to Education		Principles of Industrial Education	
Education 383	3	Industrial Education 273	3
Education Psychology		Shop Organization and Management	
Education 373	3	Industrial Education 423	3
Vocational Guidance		Teaching Problems in Industrial Ed.	
Education 406	6	Industrial Education 533	3
Practice Teaching		Methods of Teaching Industrial Ed.	
		Industrial Education 343	3
		Trade and Job Analysis	

\* For those students who are interested in the field of Engineering, eighteen (18) selected hours in engineering subjects may be submitted in place of shop electives under Plan I. This action must be established in a plan with the student's advisor and approved by the Dean of the Engineering School.

*General Education Requirements*—The following courses are required of all majors in Industrial Education

Mathematics .....	6	English .....	12
College Algebra 3 hours		Composition and Grammar 3 hours	
Trigonometry 3 hours		Reading and Composition 3 hours	
Science .....	18	Public Speaking 3 hours	
Chemistry 8 hours*		Introduction to Literature 3 hours	
Physics 10 hours		Economics .....	3
Government .....	6	Electives as necessary to satisfy the curriculum.	
State Government 3 hours			
National Government 3 hours			

*Thesis Requirements*—A comprehensive theme paper will be required of each student pursuing the Bachelor of Science Degree in Industrial Education. This paper shall be devoted to work in his specific concentration of study or to the general field of Industrial Education. The paper should demonstrate an ability to gather, organize and report Industrial Education information.

### MECHANICAL ENGINEERING

This curriculum offers training in the scientific principles underlying Mechanical Engineering, and correlates this by application to specific fields of machine design, heat, power, heating, ventilating, and air conditioning, refrigeration, power plants, and industrial management.

Lectures and class instruction are supplemented by shop practice and laboratory investigations, designed to emphasize the engineering and economic principles involved. Students selecting this option should spend at least two summers in some shop or plant doing mechanical work.

### TWO-YEAR VOCATIONAL AND TECHNICAL COURSES

Two-year courses are offered for the benefit of two classes of students: (1) those who cannot afford the time or expense of taking a longer course and who desire to apply their limited time directly to acquiring more skill in some industry in order to follow it as a trade, and (2) those who are engaged in some industry, but who feel the need of acquiring more skill, efficiency, and technical knowledge in their work.

### DISTRIBUTIVE EDUCATION

In the field of Distributive Education, courses are offered in business practices, how to teach an employee, wholesale and retail selling and buying, advertising, display, bookkeeping, salesmanship, employer-employee relations, public relations, retail record keeping, laws of retailing, professional development in retail selling, grocery procedure and food service. These courses will be offered in the field in short units, and carry no college credit. Any one or all may be taken on request. Summer Business and Distributive Education Clinics will be held upon demand.

### SPECIAL STUDENTS

Special students will be admitted by the Dean of the School who will supervise the arrangement of their courses. Special students are under-

\* With the approval of the Dean of the School this requirement may be met in special cases by taking 4 hours of chemistry and 4 hours of biology.

stood to be applicants who desire to undertake special study without becoming candidates for Degrees. They must evidence a sincere purpose to undertake and profit by special study and should be of mature age. Also, they must give reason for not entering regularly.

### GRADUATION REQUIREMENTS

The requirements for graduation from the School of Engineering are the satisfactory completion of all courses in one of the prescribed curricula, with a C average.

### TRADE CERTIFICATE FOR COLLEGE STUDENTS

To qualify for a Trade or Technical Certificate, a student must satisfactorily complete the courses as outlined, with a minimum of 64 semester hours. Students pursuing four-year collegiate courses may meet the requirements for trade certificates by satisfactorily completing 24 semester hours in one trade. In special cases, the work may be divided between two or more closely related industries.

### ENGINEERING COURSES

#### UNIFORM FRESHMAN YEAR\*

First Semester	Hrs.	Second Semester	Hrs.
Mathematics 113 .....	3	Mathematics 213 .....	3
College Algebra .....		Analytical Geometry .....	
Mathematics 123 .....	3	English 123 .....	3
Trigonometry .....		Reading and Composition .....	
Chemistry 114 .....	4	Chemistry 124 .....	4
Inorganic Chemistry .....		Inorganic Chemistry .....	
General Engineering 113 .....	3	General Engineering Drawing 122 .....	2
Engineering Drawing I .....		Descriptive Geometry .....	
General Engineering 111 .....	1	General Engineering 162 .....	2
Engineering Lectures .....		Engineering Problems and Slide Rule .....	
English 113 .....	3	Civil Engineering 122** .....	2
Grammar and Composition .....		Elementary Surveying .....	
Military Science 111 .....	1	Military Science 121 .....	1
Elementary or .....		Elementary or .....	
Physical Education 111 .....	1	Physical Education 121 .....	1
Freshman Practice (Women) .....		Freshman Practice (Women) .....	
	18		17

### ARCHITECTURAL ENGINEERING

#### SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Mathematics 224 .....	4	Mathematics 314 .....	4
Differential Calculus .....		Integral Calculus .....	
Physics 215 .....	5	Physics 225 .....	5
Engineering Physics I .....		Engineering Physics II .....	
English 223 .....	3	Civil Engineering 243 .....	3
Composition and Literature .....		Statics .....	
Architecture 213 .....	3	Architecture 223 .....	3
Elements of Architecture I .....		Elements of Architecture II .....	
Architecture 222 .....	2	Civil Engineering 122 .....	2
Freehand Drawing 11 .....		Elementary Surveying .....	
Military Science 211 .....	1	Military Science 221 .....	1
Elementary or .....		Elementary or .....	
Physical Education 211 .....	1	Physical Education 221 .....	1
Sophomore Practice (Women) .....		Sophomore Practice (Women) .....	
	18		18

\* Freshman year is the same for all four-year curricula in Engineering.

\*\* Architectural Engineering students will take Architecture 212, Freehand Drawing, Mechanical Engineering students will take Mechanical Engineering 112, Welding and Heat Treatment.

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Political Science 203 .....	3	Civil Engineering 343 .....	3
State Government .....		Engineering Materials .....	2
Civil Engineering 313 .....	3	Civil Engineering 322 .....	3
Strength of Materials .....		Materials Testing Lab. ....	
Architecture 314 .....	4	Architecture 343 .....	3
Architectural Design .....		History of Architecture II ..	
Architecture 372 .....	2	Architecture 383 .....	3
Building Equipment .....		Building Construction .....	
English 213 .....	3	Architecture 324 .....	4
Public Speaking .....		Architectural Design .....	
Architecture 333 .....	3	Civil Engineering 323 .....	3
History of Architecture I .....		Structural Analysis I .....	
Civil Engineering 311 .....	1	Military Science 323 .....	3
Graphic Statics .....		Advanced .....	
Military Science 313 .....	3		
Advanced .....			18 or 21
	19 or 22		

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Economics 213 .....	3	Architecture 443 .....	3
Principles of Economics .....		Architectural Design .....	
Architecture 433 .....	3	Mechanical Engineering 424 ..	4
Architectural Design .....		Heating, Ventilation, and ..	
Architecture 363 .....	3	Air-Conditioning .....	2
Working Drawings and Specifications ..		Architecture 452 .....	
Electrical Engineering 453 .....	3	Architectural Practice .....	
Wiring and Illumination .....		Civil Engineering 425 .....	5
Civil Engineering 432 .....	2	Structural Design .....	
Structural Analysis II .....		Political Science 263 .....	3
Civil Engineering 413 .....	3	National Government .....	
Reinforced Concrete and ..		Military Science 423 .....	3
Masonry Structures .....		Advanced .....	
Elective .....	2		
Military Science 413 .....	3		17 or 20
Advanced .....			
	19 or 22		

Number of hours required for graduation—144

## CIVIL ENGINEERING

## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Mathematics 224—Differential Calculus ..	4	Mathematics 317—Integral Calculus ..	4
Physics 215—Engineering Physics .....	5	Physics 225—Engineering Physics .....	5
English 223—Comp. and Literature .....	3	Civil Engineering 223 .....	3
General Engineering 212 .....	2	Advanced Surveying .....	
Engineering Drawing II .....		Civil Engineering 243—Statics .....	3
Civil Engineering 213 .....	3	Mechanical Engineering 242 .....	2
Topographic Surveying .....		Welding, Heat Treatment ..	
Military Science 211—Elementary or .....	1	and Foundry Practice .....	
Physical Education 211 .....	1	Military Science 221—Elementary or ..	1
Sophomore Practice (Women) .....	—	Physical Education 221 .....	1
		Sophomore Practice (Women) ..	
	18		18

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Civil Engineering 313 .....	3	Civil Engineering 323 .....	3
Strength of Materials .....		Structural Analysis I .....	
Political Science 263 .....	3	English 213—Public Speaking .....	3
National Government .....		Civil Engineering 343—Eng. Materials ..	3
Civil Engineering 333—Dynamics .....	3	Civil Engineering 322 .....	2
Mechanical Engineering 312 .....	2	Materials Testing Lab. ....	
Machine Shop and Tool Design .....		Civil Engineering 363 .....	3
Civil Engineering 353—General Geology ..	3	Fluid Mechanics .....	
Economics 213 .....	3	Civil Engineering 321 .....	1
Principles of Economics .....		Hydraulics Lab. ....	
Civil Engineering 311—Graphic Statics ..	1	Civil Engineering 324—Soil Engineering ..	4
Military Science 313—Advanced .....	3	Military Science 323—Advanced .....	3
	18		19

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Bacteriology	3	Electrical Engineering 311	1
Water and Sewage Bacteriology		Electrical Engineering Lab.	
Civil Engineering 412	2	Electrical Engineering 303	3
Water Supply Engineering		Principles of DC and AC Machinery	
Mechanical Engineering 423	3	Civil Engineering 423	3
Heat Power Engineering		Contracts, Specifications and Engineering Reports	
Civil Engineering 433	3	Civil Engineering 422	2
Highway Engineering		Sewerage	
Political Science 203	3	Civil Engineering 425	5
Civil Engineering 432	2	Structural Design	
Structural Analysis II		Civil Engineering 443	3
Civil Engineering 413	3	Engineering Construction	
Reinforced Concrete and Masonry Structures		Military Science 423	3
Military Science 413	3	Advanced	
Advanced			
	19		17

Number of hours required for graduation—144

## ELECTRICAL ENGINEERING

## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Mathematics 224	4	Mathematics 314	4
Differential Calculus		Integral Calculus	
Physics 215	5	Physics 225	5
Engineering Physics I		Engineering Physics II	
English 223	3	Civil Engineering 243	3
Composition and Literature		Statics	
General Engineering 212	2	Mechanical Engineering 242	2
Engineering Drawing II		Welding, Heat Treatment and Foundry Practice	
Mechanical Engineering 312	2	Electrical Engineering 213	3
Machine Shop and Tool Design		Basic Electrical Engineering	
Military Science 211	1	Military Science 221	1
Elementary or Physical Education 211	1	Elementary or Physical Education 221	1
Sophomore Practice (Women)		Sophomore Practice (Women)	
	17		18

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Electrical Engineering 314	4	Civil Engineering 343	3
A. C. Circuits		Engineering Materials	
Electrical Engineering 333	3	Political Science 263	3
D. C. Machinery		National Government	
Electrical Engineering 311	1	English 213	3
D. C. Lab.		Public Speaking	
Mathematics 423	3	Electrical Engineering 373	3
Differential Equations		Electrical Measurements	
Civil Engineering 313	3	Electrical Engineering 371	1
Strength of Materials		Electrical Measurements Lab.	
Electrical Engineering 343	3	Electrical Engineering 383	3
Electronics I		Electronics II	
Electrical Engineering 341	1	Electrical Engineering 381	1
Electronics I Lab.		Electronics II Lab.	
Military Science 313	3	Civil Engineering 322	2
Advanced		Materials Testing Laboratory	
		Military Science 323	3
		Advanced	

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Electrical Engineering 413 .....	3	Mechanical Engineering 463 .....	3
A. C. Machinery I .....		Industrial Management .....	3
Electrical Engineering 412 .....	2	Civil Engineering 333 .....	3
A. C. Lab. .....		Dynamics .....	
Electrical Engineering 463 .....	3	*Mechanical Engineering 423 .....	3
Wire Communication .....		Heat Power Engineering .....	
Mechanical Engineering 314 .....	4	*Mechanical Engineering 411 .....	1
Thermodynamics .....		Heat Power Lab. .....	
Economics 203 .....	3	Political Science 203 .....	3
Survey of Economics .....		State Government .....	
Electrical Engineering 453 .....	3	Business Administration 463 .....	3
Illumination .....		Business Law .....	
Military Science 413 .....	3	Elective .....	2
Advanced .....		Military Science 423 .....	3
		Advanced .....	
	18 or 21		18 or 21

Number of hours required for graduation—143.

## MECHANICAL ENGINEERING

## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Mathematics 224 .....	4	Mathematics 314 .....	4
Differential Calculus .....		Integral Calculus .....	
Physics 215 .....	5	Physics 225 .....	5
Engineering Physics I .....		Engineering Physics II .....	
English 213 .....	3	English 223 .....	3
Public Speaking .....		Composition and Literature .....	
General Engineering 212 .....	2	Mechanical Engineering 362 .....	2
Engineering Drawing II .....		Foundry .....	
Mechanical Engineering 351 .....	1	Civil Engineering 243 .....	3
Pattern Making .....		Statics .....	
Civil Engineering 122 .....	2	Military Science 221 .....	1
Elementary Surveying .....		Elementary or .....	
Military Science 211 .....	1	Physical Education 221 .....	1
Elementary or .....		Sophomore Practice (Women) .....	
Physical Education 211 .....	1		
Sophomore Practice (Women) .....			
	18		18

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Civil Engineering 313 .....	3	Civil Engineering 343 .....	3
Strength of Materials .....		Engineering Materials .....	
Mechanical Engineering 333 .....	3	Civil Engineering 322 .....	2
Mechanism .....		Materials Testing Lab. .....	
Mechanical Engineering 314 .....	4	Electrical Engineering 213 .....	3
Thermodynamics .....		Basic Electrical Engineering .....	
Political Science 263 .....	3	Civil Engineering 363 .....	3
National Government .....		Fluid Mechanics .....	
Economics 203 .....	3	Civil Engineering 333 .....	3
Survey of Economics .....		Dynamics .....	
Machine Shop 222 .....	2	Mechanical Engineering 323 .....	3
Machine Tool Work .....		Heat Power Engineering .....	
Military Science 313 .....	3	Mechanical Engineering 322 .....	2
Advanced .....		Heat Power Lab. .....	
		Military Science 323 .....	3
		Advanced .....	
	18 or 21		19 or 22

\* Students may substitute Electrical Engineering courses for these subjects upon approval of the Dean of the School of Engineering.

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Electrical Engineering 333 .....	3	Electrical Engineering 413A .....	3
D. C. Machinery		A. C. Circuits and Machinery	
Electrical Engineering 311 .....	1	Electrical Engineering 412 .....	2
D. C. Lab.		A. C. Lab.	
Mechanical Engineering 415 .....	5	Mechanical Engineering 424 .....	4
Machine Design		Heat and Air-Conditioning	
Mechanical Engineering 413 .....	3	Political Science 203 .....	3
Mechanical Engineering Lab.		State Government	
Business Administration 463 .....	3	Mechanical Engineering 463 .....	3
Business Law		Industrial Management	
Mechanical Engineering 343 .....	3	Mechanical Engineering 443 .....	3
Internal Combustion Engines		Power Plant Engineering	
Military Science 413 .....	3	Military Science 423 .....	3
Advanced		Advanced	

18 or 21

18 or 21

Number of hours required for graduation—144

## INDUSTRIAL EDUCATION

## FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Mathematics 113 .....	3	Mathematics 123 .....	3
College Algebra		Trigonometry	
English 113 .....	3	English 123 .....	3
Grammar and Composition		Reading and Composition	
Chemistry 114 .....	4	Chemistry 124 .....	4
Inorganic Chemistry		Inorganic Chemistry	
General Engineering 113 .....	3	General Engineering 122 .....	2
Engineering Drawing I		Descriptive Geometry	
Industrial Laboratory .....	3	Industrial Laboratory .....	3
General Engineering 111 .....	1	Military Science 121 .....	1
Engineering Lectures		Elementary or	
Military Science 111 .....	1	Physical Education 121 .....	1
Elementary or		Freshman Practice (Women)	
Physical Education 111 .....	1		
Freshman Practice (Women)			16

18

## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Political Science 263 .....	3	Political Science 203 .....	3
National Government		State Government	
Industrial Education 213 .....	3	Industrial Education 273 .....	3
Principles of Industrial Education		Shop Organization and Management	
Education 113 .....	3	Drawing .....	2
Introduction to Education		Industrial Laboratory .....	6
Industrial Laboratory .....	6	English 223 .....	3
Architecture 212 .....	2	Introduction to Literature	
Freehand Drawing		Military Science 221 .....	1
Military Science 211 .....	1	Elementary or	
Elementary or		Physical Education 221 .....	1
Physical Education 211 .....	1	Sophomore Practice (Women)	
Sophomore Practice (Women)			18

18

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Physics 115 .....	5	Physics 125 .....	5
General Physics		General Physics	
English 213 .....	3	Industrial Education 343 .....	3
Public Speaking		Trade and Job Analysis	
Industrial Laboratory .....	9	Industrial Laboratory .....	6
Military Science 313 .....	3	Economics 203 .....	3
Advanced		Survey of Economics	
		Military Science 323 .....	3
		Advanced	

17 or 20

17 or 20



## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Industrial Education 533 .....	3	Industrial Education 406 .....	6
Methods of Teaching		Practice Teaching	
Industrial Education		Education 383 .....	3
Education 373 .....	3	Education Psychology	
Vocational Guidance		Industrial Laboratory .....	6
Industrial Laboratory .....	9	Industrial Education 423 .....	3
Drawing .....	3	Teaching Problems in Industrial Ed.	
Military Science 413 .....	3	Industrial Education 400 .....	0
Advanced		Undergraduate Thesis	
	18 or 21	Military Science 423 .....	3
			18 or 21

Number of hours required for graduation—140

## OUTLINE OF THE TWO-YEAR TECHNICAL COURSES

### AUTOMOBILE MECHANICS

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 132 .....	2	General Engineering 142 .....	2
General Drawing I		General Drawing II	
*General Engineering 133 .....	3	General Engineering 143 .....	3
Related Mathematics		Related Mathematics	
*English 1X3 .....	3	English 1X3 .....	3
English for Trade Students		English for Trade Students	
Auto Mechanics 117 .....	7	Auto Mechanics 127 .....	7
Auto Mechanics Theory and Lab.		Auto Mechanics Theory and Lab.	
Military Science 111 .....	1	Military Science 121 .....	1
Elementary		Elementary	
	16		16

## SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253 .....	3	General Engineering 263 .....	3
Business Relations		Shop Management	
Machine Shop Practice 102 .....	2	Machine Shop Practice 1X2 .....	2
Welding		Elementary Machine Shop	
Science 113 .....	3	Auto Mechanics 227 .....	7
College Science		Auto Mechanics Theory and Lab.	
Auto Mechanics 217 .....	7	Auto Mechanics 243 .....	3
Auto Mechanics Theory and Lab.		Body and Fender Repair	
Military Science 211 .....	1	Military Science 221 .....	1
Elementary		Elementary	
	16		16

## BROOM AND MATTRESS MAKING

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 132 .....	2	General Engineering 142 .....	2
General Drawing I		General Drawing II	
General Engineering 133 .....	3	General Engineering 143 .....	3
Related Mathematics		Related Mathematics	
English 103 .....	3	English 1X3 .....	3
English for Trade Students		English for Trade Students	
Broom and Mattress Making 117 .....	7	Broom and Mattress Making 127 .....	7
Broom and Mattress Making		Broom and Mattress Making	
Theory and Lab.		Theory and Lab.	
Military Science 111 .....	1	Military Science 121 .....	1
Elementary		Elementary	
	16		16

\* Students who plan to secure the B.S. degree should take courses in Mathematics and English that carry college credits.

## SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253 .....	3	General Engineering 263 .....	3
Business Relations .....		Shop Management .....	
Elective .....	2	Elective .....	2
Science 113 .....	3	Sociology 263 .....	3
College Science .....		General Sociology .....	
Broom and Mattress Making 217 .....	7	Broom and Mattress Making 227 .....	7
Broom and Mattress Making .....		Broom and Mattress Making .....	
Theory and Lab. .....		Theory and Lab. .....	
Military Science 211 .....	1	Military Science 221 .....	1
Elementary .....		Elementary .....	
	16		16

## DRAFTING

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 133 .....	3	General Engineering 143 .....	3
Related Mathematics .....		Related Mathematics .....	
English 103 .....	3	English 1X3 .....	3
English for Trade Students .....		English for Trade Students .....	
General Engineering 106 .....	6	Architecture 242 .....	2
Industrial Drawing .....		Architectural Drawing .....	
Architecture 212 .....	2	Architecture 222 .....	2
Freehand Drawing .....		Freehand Drawing .....	
Military Science 111 .....	1	Commercial Art 1X3 .....	3
Elementary .....		General Engineering 122 .....	2
	15	Descriptive Geometry .....	
		Military Science 121 .....	1
		Elementary .....	
			16

## SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
Mathematics 113 .....	3	Mathematics 123 .....	3
Algebra .....		Trigonometry .....	
General Engineering 253 .....	3	General Engineering 283 .....	3
Business Relations .....		General Engineering 223 .....	3
General Engineering 213 .....	3	Drafting Room Management .....	
Engineering Drawing II .....		General Engineering Drawing III .....	
Architecture 243 .....	3	Architecture 263 .....	3
Architectural Drawing .....		Architectural Drawing .....	
Architecture 213 .....	3	Elective .....	3
Elements of Architecture .....		Military Science 221 .....	1
Military Science 211 .....	1	Elementary .....	
Elementary .....			16
	16		

## DRY CLEANING

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 132 .....	2	General Engineering 142 .....	2
General Drawing I .....		General Drawing II .....	
General Engineering 133 .....	3	General Engineering 143 .....	3
Related Mathematics .....		Related Mathematics .....	
English 103 .....	3	English 1X3 .....	3
English for Trade Students .....		English for Trade Students .....	
Dry Cleaning 117 .....	7	Dry Cleaning 127 .....	7
Dry Cleaning Theory and Lab. .....		Dry Cleaning Theory and Lab. .....	
Military Science 111 .....	1	Military Science 121 .....	1
Elementary .....		Elementary .....	
	16		16

## SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253 .....	3	General Engineering 263 .....	3
Business Relations .....		Shop Management .....	2
Laundering 112 .....	2	Tailoring 1X2 .....	2
Elementary Laundering .....		Tailoring .....	
Science 113 .....	3	Sociology 263 .....	3
College Science .....		General Sociology .....	
Dry Cleaning 217 .....	7	Dry Cleaning 227 .....	7
Dry Cleaning Theory and Lab. .....		Dry Cleaning Theory and Lab. .....	
Military Science 211 .....	1	Military Science 221 .....	1
Elementary .....		Elementary .....	
—	16	—	16

## ELECTRICITY

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 132 .....	2	General Engineering 142 .....	2
General Drawing I .....		General Drawing II .....	
General Engineering 133 .....	3	General Engineering 143 .....	3
Related Mathematics .....		Related Mathematics .....	
English 103 .....	3	English 1X3 .....	3
English for Trade Students .....		English for Trade Students .....	
Electricity 114 .....	4	Electricity 124 .....	4
Electrical Theory and Lab. .....		Electrical Theory and Lab. .....	
Electricity 113 .....	3	Electricity 123 .....	3
Electrical Wiring and Repair .....		Electrical Wiring and Repair .....	
Military Science 111 .....	1	Military Science 121 .....	1
Elementary .....		Elementary .....	
—	16	—	16

## SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253 .....	3	General Engineering 263 .....	3
Business Relations .....		Shop Management .....	
Electricity 132 .....	2	Electricity 142 .....	2
D. C. Motor-Generator Repair .....		A. C. Motor-Generator Repair .....	
Science 113 .....	3	Sociology 263 .....	3
College Science .....		General Sociology .....	
Electricity 217 .....	7	Electricity 227 .....	7
Electrical Theory and Lab. .....		Electrical Theory and Lab. .....	
Military Science 211 .....	1	Military Science 221 .....	1
Elementary .....		Elementary .....	
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## LAUNDERING

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 132 .....	2	General Engineering 142 .....	2
General Drawing .....		General Drawing .....	
General Engineering 133 .....	3	General Engineering 143 .....	3
Related Mathematics .....		Related Mathematics .....	
English 103 .....	3	English 1X3 .....	3
English for Trade Students .....		English for Trade Students .....	
Laundering 117 .....	7	Laundering 127 .....	7
Laundering Theory and Lab. .....		Laundering Theory and Lab. .....	
Military Science 111 .....	1	Military Science 121 .....	1
Elementary .....		Elementary .....	
—	16	—	16

## SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253 .....	3	General Engineering 263 .....	3
Business Relations		Shop Management	
Science 113 .....	3	Tailoring 1X2 .....	2
College Science		Tailoring	
Laundering 217 .....	7	Sociology 263 .....	3
Laundering Theory and Lab.		General Sociology	
Dry Cleaning 102 .....	2	Laundering 227 .....	7
Dry Cleaning Lab.		Laundering Theory and Lab.	
Military Science 211 .....	1	Military Science 221 .....	1
Elementary		Elementary	
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16	16	16	16

## MACHINE SHOP

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 132 .....	2	General Engineering 142 .....	2
General Drawing		General Drawing	
General Engineering 133 .....	3	General Engineering 143 .....	3
Related Mathematics		Related Mathematics	
English 103 .....	3	English 1X3 .....	3
English for Trade Students		English for Trade Students	
Machine Shop 117 .....	7	Machine Shop 127 .....	7
Machine Shop Theory and Lab.		Machine Shop Theory and Lab.	
Military Science 111 .....	1	Military Science 121 .....	1
Elementary		Elementary	
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16	16	16	16

## SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253 .....	3	General Engineering 263 .....	3
Business Relations		Shop Management	
General Engineering 212 .....	2	Machine Shop 1X2 .....	2
Engineering Drawing II		Welding	
Science 113 .....	3	Sociology 263 .....	3
College Science		General Sociology	
Machine Shop 217 .....	7	Machine Shop 227 .....	7
Machine Shop Theory and Lab.		Machine Shop Theory and Lab.	
Military Science 211 .....	1	Military Science 221 .....	1
Elementary		Elementary	
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16	16	16	16

## MASONRY

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 132 .....	2	General Engineering 142 .....	2
General Drawing		General Drawing	
General Engineering 133 .....	3	General Engineering 143 .....	3
Related Mathematics		Related Mathematics	
English 103 .....	3	English 1X3 .....	3
English for Trade Students		English for Trade Students	
Masonry 117 .....	7	Masonry 127 .....	7
Masonry Theory and Lab.		Masonry Theory and Lab.	
Military Science 111 .....	1	Military Science 121 .....	1
Elementary		Elementary	
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16	16	16	16

## SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253 .....	3	General Engineering 263 .....	3
Business Relations		Shop Management	
Architectural 242 .....	2	Architecture 252 .....	2
Architectural Drawing		Architectural Drawing	
Science 113 .....	3	Sociology 263 .....	3
College Science		General Sociology	
Masonry 217 .....	7	Masonry 227 .....	7
Masonry Theory and Lab.		Masonry Theory and Lab.	
Military Science 211 .....	1	Military Science 221 .....	1
Elementary		Elementary	
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16	16	16	16

## PAINTING AND DECORATING

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 132 .....	2	Architecture 222 .....	2
General Drawing		Freehand Drawing	
General Engineering 133 .....	3	General Engineering 143 .....	3
Related Mathematics		Related Mathematics	
Painting 117 .....	7	English 1X3 .....	3
English for Trade Students		English for Trade Students	
English 103 .....	3	Painting 127 .....	7
Painting Theory and Lab.		Painting Theory and Lab.	
Military Science 111 .....	1	Military Science 121 .....	1
Elementary		Elementary	
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	16		16

## SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253 .....	3	General Engineering 263 .....	3
Business Relations		Shop Management	
Commercial Art 103 .....	3	Commercial Art 1X3 .....	3
Science 113 .....	3	Sociology 263 .....	3
College Science		General Sociology	
Painting 217 .....	7	Painting 227 .....	7
Painting Theory and Lab.		Painting Theory and Lab.	
Military Science 211 .....	1	Military Science 221 .....	1
Elementary		Elementary	
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	17		17

## PLUMBING

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 132 .....	2	General Engineering 142 .....	2
General Drawing		General Drawing	
General Engineering 133 .....	3	General Engineering 143 .....	3
Related Mathematics		Related Mathematics	
English 103 .....	3	English 1X3 .....	3
English for Trade Students		English for Trade Students	
Plumbing 117 .....	7	Plumbing 127 .....	7
Plumbing Theory and Lab.		Plumbing Theory and Lab.	
Military Science 111 .....	1	Military Science 121 .....	1
Elementary		Elementary	
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	16		16

## SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
Welding 102 .....	2	General Engineering 263 .....	3
Business Relations		Shop Management	
General Engineering 253 .....	3	Sheet Metal 1X2 .....	2
Elementary Welding		Sociology 263 .....	3
Science 113 .....	3	General Sociology	
College Science		Plumbing 227 .....	7
Plumbing 217 .....	7	Plumbing Theory and Lab.	
Plumbing Theory and Lab.		Military Science 221 .....	1
Military Science 211 .....	1	Elementary	
Elementary			
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	16		16

## PRINTING

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
English 103	3	English 1X3	3
English for Trade Students		English for Trade Students	
General Engineering 133	3	General Engineering 143	3
Related Mathematics		Related Mathematics	
Printing 112	2	Printing 122	2
Typography I		Typography II	
Printing 152	2	Printing 162	2
Platen Presswork I		Cylinder Presswork I	
Printing 113	3	Printing 172	2
Graphic Arts Survey		Platen Presswork II	
Printing 121	1	Printing 182	2
Color		Machine Composition I	
Printing 132	2	Printing 121	1
Layout and Design		Bindery Operations	
Printing 111	1	Printing 142	2
Lettering		Layout and Design	
Military Science 111	1	Military Science 121	1
Elementary		Elementary	
	18		18

## SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
Printing 252	2	Printing 262	2
Cylinder Presswork II		Cylinder Presswork III	
Printing 273	3	Printing 283	3
Machine Composition II		Machine Composition III	
Printing 232	2	Printing 241	1
Imposition and Lock-up		Machine Maintenance	
Printing 292	2	Printing 221	1
Typography III		Typography IV	
General Engineering 253	3	Printing 243	3
Business Relations		Plant Management	
Printing 212	2	Printing 222	2
Estimating		Estimating	
Elective	3	Elective	3
Military Science 211	1	Printing 282	2
Elementary		Printing Production	
	18	Military Science 221	1
		Elementary	
			18

## RADIO

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 132	2	General Engineering 142	2
General Drawing		General Drawing	
General Engineering 133	3	General Engineering 143	3
Related Mathematics		Related Mathematics	
English 103	3	English 1X3	3
English for Trade Students		English for Trade Students	
Electricity 114	4	Electricity 124	4
Electrical Theory and Lab.		Electrical Theory and Lab.	
Radio 113	3	Radio 123	3
Radio Lab.		Radio Lab.	
Military Science 111	1	Military Science 121	1
Elementary		Elementary	
	16		16

## SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253	3	General Engineering 263	3
Business Relations		Shop Management	
Electricity 102	2	Radio 222	2
Electrical Appliances		Test Instruments	
Mathematics 113	3	Mathematics 123	3
College Algebra		Trigonometry	
Radio 217	7	Radio 227	7
Radio Theory and Lab.		Radio Theory and Lab.	
Military Science 211	1	Military Science 221	1
Elementary		Elementary	
	16		16

## SHEET METAL

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 132 .....	2	General Engineering 142 .....	2
General Drawing		General Drawing	
General Engineering 133 .....	3	General Engineering 143 .....	3
Related Mathematics		Related Mathematics	
English 103 .....	3	English 1X3 .....	3
English for Trade Students		English for Trade Students	
Sheet Metal 117 .....	7	Sheet Metal 127 .....	7
Sheet Metal Theory and Lab.		Sheet Metal Theory and Lab.	
Military Science 111 .....	1	Military Science 121 .....	1
Elementary		Elementary	
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16		16	

## SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253 .....	3	General Engineering 263 .....	3
Business Relations		Shop Management	
General Engineering 152 .....	2	General Engineering 222 .....	2
Sheet Metal Drafting		Production Drafting	
Science 113 .....	3	Sociology 263 .....	3
College Science		General Sociology	
Sheet Metal 217 .....	7	Sheet Metal 227 .....	7
Sheet Metal Theory and Lab.		Sheet Metal Theory and Lab.	
Military Science 211 .....	1	Military Science 221 .....	1
Elementary		Elementary	
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16		16	

## SHOE REPAIRING

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
Shoe Repair 112 .....	2	Shoe Repair 1X2 .....	2
Drafting		Drafting	
General Engineering 133 .....	3	General Engineering 143 .....	3
Related Mathematics		Related Mathematics	
English 103 .....	3	English 1X3 .....	3
English for Trade Students		English for Trade Students	
Shoe Repair 117 .....	7	Shoe Repair 127 .....	7
Shoe Repair Theory and Lab.		Shoe Repair Theory and Lab.	
Military Science 111 .....	1	Military Science 121 .....	1
Elementary		Elementary	
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16		16	

## SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253 .....	3	General Engineering 263 .....	3
Business Relations		Shop Management	
Shoe Repair 222 .....	2	Shoe Repair 232 .....	2
Drafting		Drafting	
Shoe Repair 217 .....	7	Shoe Repair 227 .....	7
Shoe Repair Theory and Lab.		Shoe Repair Theory and Lab.	
Science 113 .....	3	Sociology 263 .....	3
College Science		General Sociology	
Military Science 211 .....	1	Military Science 221 .....	1
Elementary		Elementary	
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16		16	

## TAILORING

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
Tailoring 132	2	Tailoring 142	2
Drafting		Drafting	
English 103	3	General Engineering 143	3
English for Trade Students		Related Mathematics	
General Engineering 133	3	English 1X3	3
Related Mathematics		English for Trade Students	
Tailoring 117	7	Tailoring 127	7
Tailoring Theory and Lab.		Tailoring Theory and Lab.	
Military Science 111	1	Military Science 121	1
Elementary		Elementary	
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	16		16

## SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253	3	General Engineering 263	3
Business Relations		Shop Management	
Tailoring 232	2	Tailoring 242	2
Drafting		Drafting	
Science 113	3	Sociology 263	3
College Science		General Sociology	
Dry Cleaning 102	2	Dry Cleaning 1X2	2
Dry Cleaning Laboratory		Dry Cleaning Laboratory	
Tailoring 215	5	Tailoring 225	5
Tailoring Lab.		Tailoring Lab.	
Military Science 211	1	Military Science 221	1
Elementary		Elementary	
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	16		16

## WELDING

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 132	2	General Engineering 142	2
General Drawing		General Drawing	
General Engineering 133	3	General Engineering 143	3
Related Mathematics		Related Mathematics	
English 103	3	English 1X3	3
English for Trade Students		English for Trade Students	
Welding 117	7	Welding 127	7
Welding Theory and Lab.		Welding Theory and Lab.	
Military Science 111	1	Military Science 121	1
Elementary		Elementary	
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	16		16

## SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253	3	General Engineering 263	3
Business Relations		Shop Management	
Machine Shop 112	2	Sheet Metal 112	2
Machine Shop Practice		Sheet Metal	
Science 113	3	Sociology 263	3
College Science		General Sociology	
Welding 127	7	Welding 227	7
Welding Theory and Lab.		Welding Theory and Lab.	
Military Science 211	1	Military Science 221	1
Elementary		Elementary	
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	16		16



## WOODWORK

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 132 .....	2	General Engineering 142 .....	2
General Drawing I .....		General Drawing II .....	
General Engineering 133 .....	3	General Engineering 143 .....	3
Related Mathematics .....		Related Mathematics .....	
English 103 .....	3	English 1X3 .....	3
English for Trade Students .....		English for Trade Students .....	
Carpentry 117 .....	7	Carpentry 127 .....	7
Carpentry Theory and Lab. ....		Carpentry Theory and Lab. ....	
Military Science 111 .....	1	Military Science 121 .....	1
Elementary .....		Elementary .....	
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	16		16

## SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253 .....	3	General Engineering 263 .....	3
Business Relations .....		Shop Management .....	
Architecture 242 .....	2	Painting 1X2 .....	2
Architectural Drafting .....		Sociology 263 .....	3
Science 113 .....	3	General Sociology .....	
College Science .....		Carpentry 227 .....	7
Carpentry 217 .....	7	Carpentry Theory and Lab. ....	
Carpentry Theory and Lab. ....		Military Science 221 .....	1
Military Science 211 .....	1	Elementary .....	
Elementary .....			
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	16		16

## DESCRIPTION OF COURSES

## ARCHITECTURE

212-222. FREEHAND DRAWING (0-6) *Credit 2.* I and II. Drawing of plants and objects; drawing from life in charcoal and pencil; training of eye and hand; application in architectural presentation and drawing.

213-223. ELEMENTS OF ARCHITECTURE. (0-9) *Credit 3.* I and II. Fundamentals of architectural design by their application in the original solution and presentation of simple architectural problems; a study of Architectural Shades and Shadows.

242-243-252. ARCHITECTURAL DRAWING. (0-6) (0-9) (0-6) *Credit 2, 3, 2.* I and II. Architectural symbols and details; simple working drawings.

244-263. ARCHITECTURAL DRAFTING. (0-12) (0-9) *Credit 4, 3.* II. Continuation of courses 242 and 243 with elementary problems in architectural design.

314-324. ARCHITECTURAL DESIGN. (0-12) *Credit 4.* I and II. Design of small buildings; development of plan, based on definite requirements, fenestration, influence of materials and construction on design; preparation of working drawings. Prerequisite: G. E. 222.

333-343. HISTORY OF ARCHITECTURE. (3-0) *Credit 3.* I and II. The development of architecture as related to human habitation; ancient, medieval, and modern architecture.

363. WORKING DRAWINGS. (0-9) *Credit 3.* II. Preparing working drawings and specifications for a small building

372. BUILDING EQUIPMENT. (2-0) *Credit 2.* I. Plumbing, sanitation systems, mechanical and electrical equipment of buildings.

383. BUILDING CONSTRUCTION. (3-0) *Credit 3*. II. Common methods of building construction; occasional visits to buildings under construction. Prerequisite: Civil Engineering 213.

410. INSPECTION TRIP. *No Credit*. Required of all Seniors.

433-443. ARCHITECTURAL DESIGN. (0-9) *Credit 3*. I. Continuation of Architecture 323, advanced problems, time problems, and rapid sketches at frequent intervals.

452. ARCHITECTURAL PRACTICE. (0-6) *Credit 2*. I. Special problems in architectural design and development; the preparation of building documents; interpretation of building codes, and analysis of documents; interpretation of the American Institute of Architects; office organization, client and contractor relationships.

### CIVIL ENGINEERING

122. ELEMENTARY SURVEYING. (0-6) *Credit 2*. II. Use of tape and chain, engineer's level and transit; methods of surveying in field practice. Prerequisite: G. E. 113 and Mathematics 123.

213. TOPOGRAPHIC SURVEYING. (1-6) *Credit 3*. I. Use of tape, transit and level; complete topographic survey, using the stadia method and plane table; astronomical observations for azimuth, time and latitude; drafting of topographic maps from field notes. Prerequisite: Civil Engineering 122.

223. ADVANCED SURVEYING. (2-3) *Credit 3*. II. Horizontal vertical alignment for railways and highways; grades and grade reduction; curves, turnouts, and earthwork, principles of economic location surveys, plans and estimates. Prerequisite: Civil Engineering 213.

243. APPLIED MECHANICS I—STATICS. (3-0) *Credit 3*. II. Composition and resolution of forces; systems of forces in equilibrium; laws of friction; centers of gravity; moments of inertia; special problems to illustrate the application of theory to engineering. Prerequisite: Physics 225 and enrollment in Mathematics 314.

311. GRAPHIC STATICS. (0-3) *Credit 1*. II. Graphical stress analysis of simple roof trusses and three hinged arches. This course is coordinated with Civil Engineering 323. Prerequisite: Civil Engineering 243.

313. STRENGTH OF MATERIALS. (0-3) *Credit 3*. I. Engineering properties and behavior of standard engineering materials in stress strain tension and compression, torsion, shear, and moment, combined stresses and deflection; riveted joints, stresses in columns and the design of beams; use of engineering handbooks. Prerequisite: Civil Engineering 243.

321. HYDRAULICS LABORATORY. (0-3) *Credit 1*. II. Measurement of flow, friction in pipes, pumping and power. Prerequisite: Registration in Civil Engineering 363.

322. STRENGTH OF MATERIALS LABORATORY. (0-3) *Credit 1*. II. The testing of materials. Prerequisite: Civil Engineering 313, and registration in Civil Engineering 343.

323. STRUCTURAL ANALYSIS I. (3-0) *Credit 3*. I. Analysis of stresses in statically determinate structures. Prerequisite: Civil Engineering 243.

324. SOIL ENGINEERING. (2-6) *Credit 4*. II. Description, origin, structure, identification and classification of soils for engineering purposes; determination and application of their physical properties. Prerequisite: Civil Engineering 313.

333. APPLIED MECHANICS II—DYNAMICS. (3-0) *Credit 3*. II. Velocities and accelerations of various types of mechanics, rectilinear, and curvilinear translation of particles and rigid bodies, rotation of rigid bodies about fixed axis, work energy and power, impulse and momentum, moments and products of inertia, and rigid bodies; elementary problems in vibrations. Prerequisite: Civil Engineering 243.

343. ENGINEERING MATERIALS. (3-0) *Credit 3*. I. Constituents, properties and manufacture of standard structural materials. Prerequisite: Chemistry 144 and registration in Civil Engineering 313.

344. ANALYSIS AND DESIGN OF SIMPLE STRUCTURES. (2-6) *Credit 4*. II. Analysis, design and cost estimates for simple buildings, girders, and trusses of steel; reinforced concrete and timber; economic selection and specifications of members and elements. Prerequisite: Civil Engineering 313.

353. GEOLOGY. (3-0) *Credit 3*. II. General principles of geology and their application to engineering problems. Prerequisite: Chemistry 124.

363. FLUID MECHANICS. (3-0) *Credit 3*. I. The laws governing the action of fluids at rest and in motion, as related to engineering problems; the measurement of the flow of fluids; the description and theory of reaction turbines, impulse wheels and centrifugal pumps. Prerequisite: or parallel: Civil Engineering 243.

410. INSPECTION TRIP. *Non Credit Course*; required of all seniors.

412. WATER SUPPLY ENGINEERING. (2-0) *Credit 2*. I. Finances, hydraulics, demands, resources, reservoirs, pipe lines, pumping machinery, materials, distribution systems. Prerequisite: Civil Engineering 363.

413. REINFORCED CONCRETE. (3-0) *Credit 3*. I. Properties of concrete, effect of water cement ratio, design of beams and floor systems; rigid frame construction, columns, retaining walls, masonry dams, and pile footings. Prerequisite: C. E. 313.

414. STRUCTURAL DESIGN. (2-6) *Credit 4*. I. Theory of design and design of framed structures. Primarily building design. Prerequisite: Civil Engineering 313.

422. SEWERAGE. (2-0) *Credit 2*. II. Sewerage systems, surveys and plants, hydraulics, house sewerage, rainfall and storm-water flow, size and capacity of sewers, appurtenances, estimates, and specifications construction. Prerequisite: Civil Engineering 363.

423. CONTRACTS, SPECIFICATIONS AND ENGINEERING REPORTS. (3-0) *Credit 3*. II. A study of contracts, specifications and reports required by engineers; preparation of documents. Prerequisite: Senior standing.

425. STRUCTURAL DESIGN. (3-6) *Credit 5*. II. Design of Civil Engineering structures. Welded and riveted connections. Working drawings including the necessary details for actual construction, economic considerations, the correlation of analysis and design. Mostly steel and timber structures. Prerequisite: Civil Engineering 432.

432. STRUCTURAL ANALYSIS II. (2-0) *Credit 2*. I. Continuation of Civil Engineering 323. Prerequisite: Civil Engineering 323.

433. HIGHWAY ENGINEERING. (3-0) *Credit 3*. I. Highway laws and the administration of street and highway improvements; the design and construction of streets and highways. Prerequisite: Civil Engineering 324.

443. ENGINEERING CONSTRUCTION. (3-0) *Credit 3*. II. Management of construction projects; methods of construction, equipment, form design, quantity take-offs and estimating; frequent visits to building projects. Prerequisite: Senior standing.

463. FOUNDATIONS. (3-0) *Credit 3*. II. Design of foundations for pavements, bridges, and buildings. Prerequisite: Civil Engineering 343.

#### FOR GRADUATE AND UNDERGRADUATE CREDIT

503. EARTH AND MASONRY STRUCTURES. (2-3) *Credit 3*. I, II. Design and construction of dams, retaining walls, abutments and piers, culverts, grain elevators and bins.

513. PUBLIC HEALTH ENGINEERING. (3-0) I. Design of water purification works and principles of sanitation.

533. REINFORCED CONCRETE DESIGN. (2-3) *Credit 3*. I. Theories of action beams, slabs, and columns of reinforced concrete; codes and specifications and their influence on design; effect of continuity.

563. STATICALLY INDETERMINATE STRUCTURES. (1-6) *Credit 3*. II. Outer forces, reactions, moments and shears for fixed and moving loads, the use of influence lines, the determination of deflections of structures by methods of moment areas, elastic loads, virtual work and Williot diagrams. Methods of solution for stresses in statically indeterminate structures by virtual work, slope deflection, and moment distribution. Continuous beams, trusses, building frames and arches. Prerequisite: Civil Engineering 323.

#### ELECTRICAL ENGINEERING

213. BASIC ELECTRICAL ENGINEERING. (3-0) *Credit 3*. II. Introduction to the fundamentals principles underlying all branches of electrical engineering; the analysis of electric, magnetic, and electrostatic circuits. Prerequisite or parallel: Physics 125 and Mathematics 314.

303. PRINCIPLES OF ELECTRICAL ENGINEERING. (3-0) *Credit 3*. I. Prerequisite: Physics 225. The fundamental principles of direct-current and alternating-current circuits and machinery.

311. DIRECT-CURRENT MACHINERY LABORATORY. (3-0) *Credit 1*. I. Characteristics of direct-current machines. Prerequisite or parallel: Electrical Engineering 333.

313. INTRODUCTION TO CIRCUIT ANALYSIS. (3-0) *Credit 3*. I. Electric and magnetic units and circuits; graphical and mathematical treatment of periodic current circuits; special problems in alternating current network; electrostatic circuits; wave analysis. Prerequisite: Physics 215, 225; Math. 223, and registration in Math. 313.

314. ALTERNATING-CURRENT CIRCUIT. (4-0) *Credit 4*. I. A mathematical treatment of alternating-current phenomena in single and polyphase circuits. Prerequisite: Electrical Engineering 213.

333. DIRECT-CURRENT MACHINERY. (3-0) *Credit 3*. I. Principles of operation and characteristics of direct-current generators and motors. Prerequisite: Electrical Engineering 213.

341-381. ELECTRONICS LABORATORY. (0-3) *Credit 1*. I, II. Laboratory studies on the basic electronic circuits and characteristics and industrial electronic equipment.

343-383. ELECTRONICS RECITATION. (3-0) *Credit 3*. I and II. Fundamental principles of electronic tubes; study of electronic circuits, amplifiers, oscillators, and rectifiers. Prerequisite or parallel: Electrical Engineering 314.

371. ELECTRICAL MEASUREMENTS LABORATORY. (0-3) *Credit 1. II.* Measurement of resistance, current, electromotive force, capacity, inductance watts, and energy. Prerequisite or parallel: Electrical Engineering 373.

373. ELECTRICAL MEASUREMENTS RECITATION. (3-0) *Credit 3. II.* Methods for electrical and magnetic measurements; resistance, capacity, electromotive force, current, inductance, and power. Prerequisite: Electrical Engineering 314.

412. ALTERNATING-CURRENT MACHINERY LABORATORY. (0-6) *Credit 2. I and II.* Experiments illustrating the characteristics of alternating-current circuits and transformers. Prerequisite or parallel: Electrical Engineering 413.

413. ALTERNATING-CURRENT MACHINERY RECITATION. (3-0) *Credit 3. I.* Principles of design, construction, and operation of transformers, alternating-current generators, polyphase induction motors, synchronous motors, converters, rectifiers and accessory apparatus. Prerequisite: Electrical Engineering 314.

413A. ALTERNATING - CURRENT, CIRCUITS AND APPARATUS. (3-0) *Credit 3. II.* A special course in alternating-current circuits and machinery for mechanical engineering students. Prerequisite: Electrical Engineering 333.

453. WIRING AND ILLUMINATION. (3-0) *Credit 3. I.* Fundamentals of commercial and industrial wiring and illumination practice. Prerequisite: Senior standing in Electrical Engineering.

462. ELECTRICAL DESIGN. (2-0) *Credit 2. II.* Electromagnets and dynamos, direct and alternating; transformers. Prerequisite: Senior standing in Electrical Engineering.

463. WIRE COMMUNICATION. (3-0) *Credit 3. I.* Principles of wire communication; telephone and telegraph switching systems, line loading, repeaters and carrier currents. Prerequisite: Electrical Engineering 314.

483. RADIO COMMUNICATION APPARATUS. (3-0) *Credit 3. II.* Fundamental circuits of and phenomena in radio communication apparatus; measurements of radio frequency circuit parameters; wave propagation; performance of transmitters and receivers. Prerequisite: Senior standing in Electrical Engineering.

493. ELECTRICAL COMMUNICATIONS LABORATORY. (0-9) *Credit 3. I.* Experimental methods in the solution of communication problems; theory and use of modern laboratory instruments; vacuum tubes and their circuits, artificial lines, and other networks, radio frequency and acoustical measurements; practice in designing and constructing components of communication systems. Prerequisite: Senior standing in Electrical Engineering, registration in Electrical Engineering 483.

#### FOR GRADUATE AND UNDERGRADUATE CREDIT

513. ADVANCED COMMUNICATION CIRCUIT ANALYSIS. (3-0) *Credit 3.* Theorems and properties of communication networks in steady-state and transient conditions.

523. ULTRA-HIGH FREQUENCIES. (3-0) *Credit 3. I, II.* Radio transmission and reception, including ultra-high frequency techniques.

533. ELECTRIC POWER GENERATION. (3-0) *Credit 3. I, II.* Economics and technique of electric power generation. Effect of load curve on costs; thermal efficiency and commercial economy of various heat cycles; General layout of the generating station; division of load among generating units; by products generation.

574. TELEVISION. (3-3) *Credit 4.* I and II. Theory of scanning television, cathode-ray tubes, pulse generators, video amplifiers and circuits, and television transmitters and receivers. Prerequisite: Electrical Engineering 523.

### GENERAL ENGINEERING

106. INDUSTRIAL DRAWING. (0-18) *Credit 6.* I. Technical sketching and mechanical drafting; graphic and pictorial drawings of building plans and mechanical equipment; blueprint reading; charts, graphs; and topographic drawing.

111-121. ENGINEERING LECTURES. (1-0) *Credit 1.* I, II. Fundamental principles of profession; a general survey of field; reviews of articles in the technical press; reports of engineering projects; industrial experiences and lectures by prominent men engaged in the profession.

113. ENGINEERING DRAWING. I. (1-6) *Credit 3.* I. Use of drafting instruments; freehand Gothic and Roman lettering (vertical and inclined); introductory orthographic projection; isometric drawing; freehand technical sketching, dimensioning, and tracing with pencil on vellum tracing paper, and in ink on tracing cloth.

122. DESCRIPTIVE GEOMETRY. (0-6) *Credit 2.* II. Principles of descriptive geometry, as related to the projection of points, lines, planes, and solids, and their applications to problems of engineering and architecture; developments, intersections, double curved and warped surfaces. Prerequisite: Engineering Drawing 113.

132-142. GENERAL DRAWING. (0-6) *Credit 2.* I and II. Drafting to meet the needs of individuals taking trade and industrial work.

133-143. RELATED MATHEMATICS. (3-0) *Credit 3.* I, II. Applied mathematics for trade students.

152. SHEET-METAL DRAFTING. (0-6) *Credit 2.* I. Application of descriptive geometry to sheet-metal construction; intersections, developments, lofting problems and bend allowances. Prerequisite: General Engineering 122.

162. PROBLEMS AND SLIDE RULE. (1-3) *Credit 2.* II. Solution of simple engineering problems; use of the slide rule; and the correct form of presenting problem work.

173. MOTION PICTURE PROJECTION. (2-3) *Credit 3.* I. Operation and maintenance of 16 m.m. and 35 m.m. sound motion picture projectors; handling of film; use of modern booth accessories; actual operating experience in the College Theatre; inspection trips through theatre booths in the neighboring cities.

212. ENGINEERING DRAWING II. (0-6) *Credit 2.* I. Review of orthographic projection; working drawings, isometric, oblique, perspective, chart, and diagram, topographical, instrumental, and wiring diagrams.

222. PRODUCTION DRAFTING. (0-6) *Credit 2.* II. Application of orthographic, pictorial and perspective drawing to assembly, disassembly and exploded views.

223. ENGINEERING DRAWING III. (1-6) *Credit 3.* II. Continuation of General Engineering 212. Prerequisite: General Engineering 212.

253. BUSINESS RELATIONS. (3-0) *Credit 3.* I. Basic principles of business organization, operation, and management.

263. SHOP MANAGEMENT. (3-0) *Credit 3*. II. Problems of the supervisory staff of an industrial enterprise such as selection and arrangement of equipment, standardization, routing and dispatching, cost and wage systems and other factors closely applied to production as well as job shop.

273. HOUSEHOLD MECHANICS. (2-3) *Credit 3*. I. Practical and theoretical training in the maintenance of various home appliances; the upkeep of household furnishings; fire protection, and minor repairs.

283. DRAFTING-ROOM MANAGEMENT. (2-3) *Credit 3*. II. Organization and equipment of commercial drafting rooms; standards, orders, routing, checking alterations, filing, reproduction, library; and special problems in drafting.

#### FOR UNDERGRADUATE AND GRADUATE CREDIT

513. ADVANCED SHOP PRACTICE. (2-3) *Credit 3*. I. Opportunity is offered to specialize, to a limited degree, along such lines as heat treatment, machine tool work, welding, jib, fixtures, pattern making, and any shop work that may be of special interest to the student. All assignments must be approved by the Dean of the Engineering School.

562. ADVANCED DESCRIPTIVE GEOMETRY. (1-5) *Credit 2*. I, II. Graphical representation and the application of plane and space curves; advanced problems in single curved and doubled curved surfaces including the convolute and their developments; fundamentals of perspective and other pictorial means of representation.

#### INDUSTRIAL EDUCATION

213. PRINCIPLES OF INDUSTRIAL EDUCATION. (3-0) *Credit 3*. I. An introductory course in Industrial Education outlining present philosophical concepts of industrial education. A developmental study of the programs that make up modern industrial education, including industrial arts, vocational industrial education, apprenticeship and school-industry programs. An outline study of the teaching methods, organization systems, aims and objectives and requirements of prospective teachers of industrial education and probably future trends in the field of industrial education.

273. SHOP ORGANIZATION AND MANAGEMENT. (3-0) *Credit 3*. I. Shop planning, management, organization, supply sources, types of shops, shop plans, selection, purchase, installation, arrangement of equipment, shop class organization, pupil personnel management. Records, including inventories, progress charts, reports, requisitions, etc.

343. TRADE AND JOB ANALYSIS. (3-0) *Credit 3*. II. A study of analysis technique as it has been developed by various leaders in industrial education; job analysis for the purpose of determining the content of training for an occupation; related content analysis for determining what should be taught as classroom material; analysis of a trade, industry or industrial plant for determining the general outline of a program of trade or industrial training. (For undergraduates only.)

423. TEACHING PROBLEMS IN INDUSTRIAL EDUCATION. (3-0) *Credit 3*. II. Problems that confront a beginning industrial education teachers; brief historical study of industrial education; relationship of industrial education to other phases of education; selection of subject matter;

preparation and presentation of instructional materials; teaching plans, tests, and standard evaluating devices for measuring results. Prerequisite: 24 hours of Industrial Education.

406. SUPERVISED TEACHING IN INDUSTRIAL EDUCATION. (3-9) *Credit 6.* I and II. Directed observation of teaching, followed by actual supervised teaching for the individual student. Prerequisite: 30 hours of Industrial Education and I. E. 263.

#### FOR GRADUATE AND UNDERGRADUATE CREDIT

513. CURRICULUM CONSTRUCTION AND COURSE MAKING IN INDUSTRIAL EDUCATION. (3-0) *Credit 3.* I. Principles of curriculum construction and course making. Curriculum concepts in modern education; comparative study of industrial education curricula as used throughout leading high schools; analytical technique in curriculum construction; course making and syllabus construction.

523. TEST AND MEASUREMENTS IN INDUSTRIAL EDUCATION. (3-0) *Credit 3.* II. Sources of instructional testing and evaluating materials; construction and use of test and evaluating devices; administering, scoring, recording and interpreting tests, progress charts, diagnosis of difficulties, analysis of teaching problems as related to evaluation.

533. INSTRUCTIONAL METHODS IN INDUSTRIAL EDUCATION. (3-0) *Credit 3.* I. Methods, devices, techniques as applied to teaching industrial subjects; analysis and evaluation of student learning difficulties and teaching responsibilities in industrial classes; nature, preparation and use of instruction sheets.

563. THE GENERAL SHOP. (3-0) *Credit 3.* II. The general shop organization; its contribution to attainment of cardinal objectives on the modern high school; current practices as to type of shops, equipment, instructional materials and procedures.

583. INDUSTRIAL ARTS FOR ELEMENTARY SCHOOL. (3-0) *Credit 3.* I and II. For teachers, supervisors, principals of elementary schools; fundamental concepts, philosophies of industrial arts in the elementary school; function and scope, organization, administration, activities and methods of teaching industrial arts on the elementary level.

593. AUDIO AND VISUAL EDUCATION. (3-0) *Credit 3.* II. Various audio available materials in the field; practical experience in use of aids as construction and development of various aids and devices; sources of and visual aids; selection, evaluation and technique of educational use; movie projectors, slides, film strips, opaque projects, etc.

#### \*VOCATIONAL-INDUSTRIAL EDUCATION

The following courses are designed to meet the certificate requirements of Vocational-Industrial Education teachers under the Smith-Hughes Act, the George-Gorden Act and the Texas State Plan for Vocational Education for these courses with the written approval of the teacher-educational institution. College credit on the undergraduate level may be granted for Vocational Education and the Dean of the Engineering School.

\* Offered in summer session only.



402. INTRODUCTION TO TRADE AND INDUSTRIAL TEACHING. Orientation Course: 10 to 30 clock hours. Definition of vocation education, fields of vocational education; types of classes, requirements; the administration for vocational educational education; courses and course material available and the organization of a course; analysis of teaching and lesson content.

412. DEVELOPMENT, ORGANIZATION AND USE OF INSTRUCTIONAL MATERIAL. 45 clock hours. The study of available instructional material and its adaptation; the development and preparation of teaching aids; the organization of material for effective coordination with courses of study.

422. METHODS OF TEACHING. 45 clock hours. A brief review of how people learn; evaluation of various teaching methods; the adaptation of methods to types of lessons for effective instruction; the "4-step method" of presenting lessons; analysis for lesson content; preparation of lesson plans and practice teaching.

432. SHOP AND CLASSROOM ORGANIZATION AND MANAGEMENT. 45 clock hours. Organization plans for classrooms and shops for efficient instruction and management, including roll-keeping, grading, recording, and reporting systems; specifying, purchasing, receiving, storing, installing, and inventorying of tools, equipment, and supplies; heating, lighting, ventilation, sanitation and accident prevention; recitation and library centers; tool, supply and project storing and issuing systems.

442. ANALYSIS AND COURSE MAKING. 45 clock hours. A study of analysis available in the teacher's field of work; reviewing systems of analysis; adaptation of principles of analysis to fit the teacher's needs; the organization of a course of study to fit the teacher's specific needs developed from the adopted, modified, or developed analysis.

462 .AIMS AND OBJECTIVES OF VOCATIONAL EDUCATION. 30 clock hours. A basic course for administrators, supervisors, and teachers; history and aims of vocational education; its economic, social, and educational values; different phases of vocational education; Federal and State laws; training of teachers.

472. SELECTION, PLACEMENT, AND FOLLOW-UP IN VOCATIONAL EDUCATION. 45 clock hours. Factors which influence the schooling, work opportunities, and educational objectives of young people; techniques of interviewing and advising young people in regard to vocational courses; factors affecting placement in suitable employment either part or full-time; methods of follow-up and coordination.

482. DEVELOPMENT AND USE OF VISUAL AIDS. 45 clock hours. The study of visual aids on the commercial market and their adaptability to vocational education; the development of types of visual aids and techniques teachers can use for more effective teaching. These are to include motion pictures, strip films, slides, sut-aways, blow-ups, mock-ups, posters, charts, pictures and blackboard illustrations.

492. PROBLEMS IN COOPERATIVE TRAINING. 45 clock hours. A review of the duties of the teacher-coordinator; the solution of actual problems; procedures and techniques involved in community surveys; interpretation of survey data; program expansion; guidance and counselling; organization and coordination of all types of part-time and evening classes.

## MECHANICAL ENGINEERING

112. WELDING AND HEAT TREATMENT. (0-6) *Credit 2*. I. General metal work; gas and electric welding, the heat treatment of metals.

211-221. PATTERN MAKING, FOUNDRY AND WELDING. (0-3) *Credit 1*. I, II. Simple pattern layouts and construction of patterns; pattern storage; costs and weights of patterns and casting; kiln-drying and moisture content of pattern woods; the pattern-making industry; Cupolas; gas fired furnaces; moulding sands; coremaking; foundry layouts; and practice in moulding and casting both ferrous and non-ferrous metals; gas and electric welding. Prerequisite: Chemistry 124.

212. WELDING ENGINEERING. (0-6) *Credit 2*. I or II. Welding processes; metallurgy, metallography, physical tests, and inspection of welds; design of weldments; application to the design and production of machines and structures. Prerequisite: Mechanical Engineering 112; sophomore standing.

222. HEAT TREATMENT OF METALS. (0-6) *Credit 2*. I or II. Heat treatment and metallurgy of steel and non-ferrous alloys; heat treating operations; microstructure and physical properties; hardenability, grain size testing, and machineability; heat treating operations as applied in production. Prerequisite: Mechanical Engineering 112; sophomore standing.

242. WELDING, HEAT TREATMENT AND FOUNDRY PRACTICE. (0-6) *Credit 2*. Similar to Mechanical Engineering 211 but designed for non-mechanical engineering students. Prerequisite: Chemistry 124.

312. MACHINE SHOP AND TOOL DESIGN. (0-6) *Credit 2*. I. An introduction to machine shop practice and tool design to meet the needs of non-mechanical engineering students. Prerequisite: Mathematics 123.

314. THERMODYNAMICS. (4-0) *Credit 4*. I. Transformation of energy, theoretical limitations; second law, absolute temperature, entropy and available energy; properties of gases, liquids, vapors and vapor mixtures. Prerequisite: Mathematics 224; Physics 215 and 225.

322. HEAT POWER LABORATORY. (0-6) *Credit 2*. II. Practical experience with steam engines, boilers, turbines, internal combustion engines, fuels and combustion, power plant equipment and air compressors.

323. HEAT POWER ENGINEERING. (3-0) *Credit 3*. II. Heat power engineering including steam engines, boilers, turbines, internal combustion engines, fuels and combustion, power plant equipment, and air compressors. Prerequisite: Mechanical Engineering 314.

333. MECHANISM. (3-0) *Credit 3*. I. Elements of machinery with reference to the transmission of motion, and force, cams, gears; graphical construction; kinetics; balancing; arrangement in actual machines. Prerequisite: Mathematics 123.

343. INTERNAL COMBUSTION ENGINES. (3-0) *Credit 3*. II. Fundamentals of internal combustion engines; cycles capacity, efficiency, thermodynamics, combusting and operating conditions.

351. PATTERN MAKING. (0-3) *Credit 1*. I. Design and production of wood and metal patterns; core making. Prerequisite: General Engineering 223, Mechanical Engineering 112.

362. FOUNDRY. (0-6) *Credit 2*. II. Floor bench, and machine moulding; brass furnace and cupola practice; metallurgy of gray iron; sand testing. Prerequisite: General Engineering 223, junior standing.

411. HEAT POWER LABORATORY. (0-3) *Credit 1*. I and II. Heat power equipment for non-mechanical engineering students.

413. MECHANICAL ENGINEERING LABORATORY. (1-6) *Credit 3*. I. Instruments and tests of steam prime movers, boilers, pumps, fans, internal combustion engines, air compressors, air conditioning equipment, and flow of compressible media; engineering reports.

415. MECHANICAL ENGINEERING DESIGN. (3-6) *Credit 5*. II. Design of machinery subjected to heavy variable stresses. Prerequisite: Civil Engineering 322 and 313; Mechanical Engineering 333.

423. HEAT ENGINEERING. (3-0) *Credit 3*. II. Principles of thermodynamics; properties of gasses; saturated and superheated vapors; fuels, combustion and flue gas analysis; steam boilers, engines, and their auxiliaries; steam turbines; condensers, pumps, compressed air and internal combustion engines. Prerequisite: Senior standing in Civil or Electrical Engineering.

424. HEATING, VENTILATING AND AIR CONDITIONING. (3-3) *Credit 4*. II. Steam boilers and water heaters; direct and indirect heating, gravity systems; district heating; ventilation on air analysis; air conditioning. Prerequisite: Mechanical Engineering 314.

443. POWER PLANT ENGINEERING. (1-6) *Credit 3*. II. Study and operation of modern steam power plant. Prerequisite: Mechanical Engineering 413 and senior standing.

463. INDUSTRIAL MANAGEMENT. (3-0) *Credit 3*. II. Problems of the industrial executive; organization; plant location; selection and arrangement of buildings and equipment; production planning and control; simplification and standardization; time and motion study; job methods standardization; control of inventory and costs; personnel and problems and business policy.

#### FOR GRADUATE AND UNDERGRADUATE CREDIT

503. REFRIGERATION. (3-0) *Credit 3*. I or II. The application of thermodynamics to problems of refrigeration; types of refrigerating machines and plants, refrigerants, ice making, cold storage, cooling of air, liquids, and solids; construction details of commercial and household refrigerating plants and their economic operation.

523. FLOW OF FLUIDS AND HEAT TRANSFER. (3-0) *Credit 3*. I or II. Review of first and second laws of thermodynamics, compressors, refrigeration cycles; the design of apparatus for heat transfer by conduction, convection, and radiation; heat exchanges, air preheaters, economizers, evaporators, boilers and condensers, transformation of heat and work.

#### TRADE AND TECHNICAL COURSES

##### AUTOMOBILE MECHANICS

102-202. AUTO MECHANICS. (0-6) *Credit 2*. I and II. Auto Mechanics as an industry course for students of the School of Arts and Sciences only.

112 - 113 - 122 - 123; 117 - 127. ELEMENTARY AUTO MECHANICS. (0-6) (1-6) (2-15) *Credit 2, 3, 7*. I and II. History and development of the automobile; care and use of tools and study of parts; general service testing and repairing lights, starters, generators, ignition systems, and carburetors.

212-213-217. PRACTICAL AUTO MECHANICS. (0-6) (1-6) (2-15) *Credit 2, 3, 7*. I. Types of fuel, lubricants, motor tests and repairs; types of motors, clutches and brakes.

222-223-227. ADVANCED AUTO MECHANICS. (0-6) (1-6) (2-15) *Credit 2, 3, 7. II.* Types, installing and adjusting of clutches; transmission, bearings and differentials; garage management.

243. BODY AND FENDER REPAIR. (1-6) *Credit 3. II.* Theory and practice in use and care of tools, materials and equipment for body and fender repair work. Straightening, bending, brazing, sanding, finishing; painting, polishing, porcelaining in body work.

#### BROOM AND MATTRESS MAKING

112-212. BROOM AND MATTRESS MAKING (0-6) *Credit 2. I and II.* Broom and mattress making as an industry course for students of School of Arts and Sciences only.

113. ELEMENTARY BROOM MAKING. (1-2) *Credit 3. I.* Theory and practice of assorting broom corn; trimming and seeding machinery; dyeing and bleaching; use and care of tools and machinery.

117. ELEMENTARY BROOM MAKING. (2-15) *Credit 7. I.* Assortment of broom corn; trimming and seeding machinery; putting the corn into working order; dyeing and bleaching broom corn; names and care of tools and machinery; making plain light household broom; scraping, sewing, clipping, and bunching brooms. (For trade students only.)

123. ELEMENTARY MATTRESS MAKING. (1-2) *Credit 3. II.* Theory and practice in use and care of mattress making tools and machines, measuring, cutting and making ticking for the 1-2, 2-3, and 3-4 mattresses.

127. ADVANCED BROOM AND MATTRESS MAKING. (2-15) *Credit 7. II.* Large household brooms; warehouse brooms; different types and styles of finishes; whisk brooms; ceiling or wall brooms; quantity and cost estimating; mop making; different kinds and grades of mattress ticking; cutting and making ticking for the full mattress; duofold mattresses, day bed and baby bed; non-tack and sectional feather mattresses, making pillows and renovating mattresses. (For trade students only.)

213. ADVANCED BROOM MAKING. (1-2) *Credit 3. I.* Theory and practice in making large household brooms, warehouse broom, etc., different types and styles of brooms, cost estimating.

217. ELEMENTARY MATTRESS MAKING. (2-15) *Credit 7. I.* Nomenclature, use and care of mattress making tools and machines; measuring, cutting and making ticking for the 1-2, 2-3, and 3-4 mattresses. (For trade students only.)

223. ADVANCED MATTRESS MAKING. (1-2) *Credit 3. II.* Continuation of course Mattress Making 123 to include cost accounting.

227. BROOM AND MATTRESS MAKING. II. (2-15) *Credit 7. II.* Continuation of courses 127. (For trade students only.)

#### CARPENTRY

117. ELEMENTARY CARPENTRY I. (2-15) *Credit 7.* Name, use and care of tools, materials and equipment; woods, wood joints, techniques and methods of house construction; surveying and studying building sites, laying out from blueprints, practicing elementary frame construction. (For trade students only.)

127. ELEMENTARY CARPENTRY II. (2-15) *Credit 7.* Continuation of Carpentry 117. Study and practice in the various methods, techniques and styles of framing; simple rafter cutting and stair building. (For trade students only.)

217. ADVANCED CARPENTRY I. (2-15) *Credit 7*. I. Continuation of Carpentry 127. Advanced framing complex roof and stair construction; close-in and finished carpentry work studied and practiced; hardware and other utilities installed and studied. (For trade students only).

224. GENERAL CARPENTRY. (2-6) *Credit 4*. II. Designed for Industrial Education students. Information and skills in the laying out, framing, and finishing small frame buildings.

227. ADVANCED CARPENTRY II. (2-15) *Credit 7*. Continuation of Carpentry 217. The use of power machines in carpentry work; techniques of mass production in the manufacture of prefabricated homes; millwork techniques in the construction of cabinets, stairs, doors, windows, interior and exterior trim. (For trade students only).

#### DRY CLEANING

112-212. DRY CLEANING. (0-6) *Credit 2*. I and II. Dry Cleaning as an industry course for School of Arts and Sciences students only.

113. DRY CLEANING (0-9) *Credit 3*. I. First steps in the care of fabrics; woven fabric construction; leathers and fur; cleaning fluid other than water; inspection of materials for cleaning; dry cleaning equipment and its care; static electricity, its prevention; motors, belts and their care; dry cleaning aids.

117. DRY CLEANING. (2-15) *Credit 7*. I. Dry cleaning and spotting, fibers in fabric; moisture, its source and effect; materials that may be dry cleaned; dry cleaning equipment and its care; dry cleaning solvent; inspecting garments for cleaning.

123. DRY CLEANING. (0-9) *Credit 3*. II. Soil in garments and sorting; care of garments in cleaning; fur and leather cleaning; purification of dirty-used solvent; first steps in the spotting of garments; wool fibers, artificial wool fibers, their behavior; pure silk, weighted silk and its behavior; rayon, two classifications discussed.

127. DRY CLEANING. (2-15) *Credit 7*. II. Miscellaneous cleaning problems, chemical analysis and trouble finding, spotting of garments, pure silk and its behavior; rayon fabric behavior and identification.

213. DRY CLEANING. (0-9) *Credit 3*. I. Cotton, its origin and use; linen, jute and tinsel fibers, their use, behavior and identification; identification of all fibers in plant practices; spotting, basic dyestuffs, acid dyestuff, color change of dyestuff in wear, storage, cleaning.

217. DRY CLEANING. (2-15) *Credit 7*. I. Cotton, its origin, use, behavior and identification; identification of fibers as an aid in all cleaning plant practices; basic dyestuffs; acid dyestuffs; color change of dyestuff in wear, storage, staining, cleaning; stains and how to know them.

223. DRY CLEANING. (0-9) *Credit 3*. II. Simple tests to know all dyestuffs; equipment, its care and operation; policies, good and bad, in receiving dyeing; study chart for over dyeing; chart for tinting; blending colors.

227. DRY CLEANING. (2-15) *Credit 7*. II. Spotting tools; their use and care; wet and dry system, its use and limits; pressing, all types of materials, silk finishing; shop management.

313. DRY CLEANING. (0-9) *Credit 3*. I. Wet cleaning; working policies, good and bad; when wet cleaning is all-important; testing fabrics before wet cleaning; equipment, soaps, bleaching.

323. DRY CLEANING. (0-9) *Credit 3*. II. Bleaching; bleaching and dyeing fur; testing dyes in fabric before work jobs; desizing agents, strippers; tinting; blueing and topping practices.

413. DRY CLEANING. (0-9) *Credit 3. I.* A spotting chart to study covering 600 common stains.

423. DRY CLEANING. (0-9) *Credit 3. II.* Pressing all types of materials; silk pressing; silk finishing; shop management.

#### ELECTRICAL MAINTENANCE AND REPAIR

102. ELECTRICAL APPLIANCES. (0-6) *Credit 2. I.* Construction, repair, maintenance and servicing.

112-122. ELEMENTARY ELECTRICITY. (0-6) *Credit 2. I and II.* Fundamental principles of electricity and electrical machinery; construction, simple wiring; theory of magnetic and direct current circuits.

112A-122A. ELECTRICAL LABORATORY. (0-6) *Credit 2. I and II.* Laboratory experiments involving the fundamentals of electricity and magnetism and their industrial applications.

113-123. ELECTRICAL WIRING AND REPAIR. (0-9) *Credit 3. I and II.* Practice in house wiring; general repairs to wiring and electrical equipment; installation and servicing of motors, telephones, transformers and generators.

115. DIRECT CURRENT APPARATUS AND CIRCUITS. (0-15) *Credit 5. I.* Direct current circuit and magnetic circuit theory and calculations; principles of design and construction of direct-current, motors and generators; theory, concerning torque, flux, speed, voltage and speed regulation, commutation, and armature reaction of shunt and compound machines, parallel operations, and mechanical couplings of electrical machinery; theory and practice of direct current control equipment for generators and motors.

125. ALTERNATING-CURRENT APPARATUS AND CIRCUITS. (0-15) *Credit 5. II.* Relations of simple harmonic electromotive forces and current phase differences; active, reactive, and apparent power, power factor and reactive factor, resistance, inductance, and capacitances; series, parallel, and resonant circuits; polyphase circuits, balanced and unbalanced; construction, characteristics and operation of alternators, induction motors, transformers, synchronous motors, synchronous converters, mercury-arc rectifiers and their regulating and control devices; fundamentals of telephone transmission. Prerequisite: Electricity 115.

132. DIRECT-CURRENT MOTOR-GENERATOR REPAIR. (0-6) *Credit 2. I.* Repair of direct-current motors and generators.

142. ALTERNATING-CURRENT MOTOR-GENERATOR REPAIR. (0-6) *Credit 2. II.* Repair of alternating-current motors and generators.

212-222. ELECTRICAL THEORY. (2-0) *Credit 2. I and II.* Prerequisite: Course 122. Continuation of course 122.

215. ELECTRICAL MEASUREMENTS. (0-15) *Credit 5. I.* Electrical and magnetic units and standards; direct current and low frequency measurements; theory, calibration, and use of laboratory standards, and of potential transformers, and portable direct-current and alternating-current instruments; magnetic flux density measurement and core loss in iron; measurements for resistance, reactance, capacitance impedance, voltage current, and power factor; audio-frequency measurements. Prerequisite: Electricity 125.

225. WIRING AND ILLUMINATION. (0-15) *Credit 5. II.* Fundamentals of commercial and industrial wiring and illumination practice. Prerequisite: Electricity 215.

## LAUNDERING

112-212. LAUNDERING. (0-6) *Credit 2*. I, II. Laundering as an industry course for School of Arts and Sciences students only.

113. ELEMENTARY LAUNDERING. (1-6) *Credit 3*. I. Laundry terms, care and operation of machinery; kind of machinery; use and structure of machines.

123. ELEMENTARY LAUNDERING. (1-6) *Credit 3*. II. Checking in, marking and separation of garments; finishing flat work; starch work and other wearing apparels.

213. LAUNDERING. (1-6) *Credit 3*. I. Classification; mechanical aids to washing; chemical aids to washing; the washing formula.

223. LAUNDERING. (1-6) *Credit 3*. II. White work washing processes; washing processes for colors, silk, rayons and woolens.

313. LAUNDERING. (1-6) *Credit 3*. I. Uses of laundry chemicals; soaps and their properties; disinfectants, acids and sour; stain removals; practical experience.

323. LAUNDERING. (1-6) *Credit 3*. II. Preparation and application of chemical aids to washing soaps; alkali sour bleach; uses of mechanical aids to washing; the structure of the washwheel, automatic devices, capacity.

413. ADVANCED LAUNDERING. (1-6) *Credit 3*. I. Washroom tests, how to make them, testing of water for hardness, testing for alkalinity, sour. Testing for strength of bleach solution.

423. ADVANCED LAUNDERING. (1-6) *Credit 3*. II. Routing the materials through the plant; floor plans for plant lay-out; laundry records, bookkeeping, management and the route salesman.

## MACHINE SHOP PRACTICE

112-122. ELEMENTARY MACHINE SHOP PRACTICE. (0-6) *Credit 2*. I, II. Care and use of tools; laying out work; cutting, filing, and drill press work, lathe turning, drill press, and shaper work. An industry course for Arts and Sciences students only.

113. METAL WORK. (1-6) *Credit 3*. I. Instructional units that lay a foundation for advanced metal work; hand tools, precision measuring instruments, drilling, forging, heat treating and selection and use of metals.

117-127. METAL WORK. (2-15) *Credit 7*. I and II. Use and appreciation of machine tools; laying-out, filing, scraping, machine parts, drilling, reaming, counterboring and tapping, tool grinding, straight and taper turning, screw cutting, milling, cylindrical and surface grinding, and chucking; cutting angles and adjustment of cutting angles and adjustments of cutting tools and cutting speeds for each material worked.

124. MACHINE SHOP I. (2-6) *Credit 4*. I. Fundamental operations such as chucking, facing centering, straight and taper turning, plain milling, plain shaping, and surface grinding.

212. PRACTICAL MACHINE SHOP PRACTICE. (0-6) *Credit 2*. Lathe turning, shaping, planing and polishing work.

215, 222-227. ADVANCED MACHINE SHOP PRACTICE. (0-15) (0-6) (2-15) *Credit 5, 2, 7*. II. Lathe study; counter sinking; setting up work in lathes; plain turning and tool grinding; cutting right and left hand threads; chuck and mandrel work taper turning, boring in lathe, boring to dimensions; milling machine; a thorough study of the index head, milling square surfaces, hexagonal surfaces, etc.; milling keyways for

plain and woodruff keys; gear cutting, spur gears, miter gears, etc.; practice jobs: use of drill, planer, shaper, lathe and miller.

313. TOOL MAKING. (1-6) *Credit 3*. I. Making jigs and fixtures and special tooling for quantity production of some mechanical unit to be produced in the shop. Emphasis on modern precision tool making methods. Prerequisite: Mechanical Engineering 312 and 362.

323. MATERIALS AND PROCESSES. (1-6) *Credit 3*. II. Materials, their limitations and usefulness; techniques of processes, their relative importance industrially and their relation to one another in a complete understanding of the entire manufacturing process of a machine or part; correct use of a machine or part and on correct use of technological terms.

414. MACHINE SHOP II. (2-6) *Credit 4*. II. The operation of basic machine tools, such lathes, shapers, milling machines, and grinders, including such operations as boring, thread-cutting, indexing, shaping, surface and cylindrical grinding. Prerequisite: Machine Shop I.

### MASONRY

112-212. MASONRY. (0-6) *Credit 2*. I, II. Masonry as an industry course for School of Arts and Sciences students only.

113. ELEMENTARY BRICKLAYING. (1-6) *Credit 3*. I. Use, care and values of tools; the common materials and methods used in bricklaying; mortar making and spreading; laying straight walls using standard bonds.

123. ELEMENTARY MASONRY. (1-6) *Credit 3*. II. Spread and stepped footings; foundations, walls and piers in concrete, plain and reinforced concrete mortars, underpinnings; laying out foundations; excavating.

213. INTERMEDIATE MASONRY. (1-6) *Credit 3*. I. Theory and practice in building walls using various structural bonds, running veneer wall against hollow tile and frame backings; building construction work to include opening, arches, builder's iron, windows, doors, flues and vents.

223. PLASTERING. (1-6) *Credit 3*. I. Theory and practice in use, care, value of plastering tools; proportioning, mixing of mortars; application and finishing of plain and ornamental plastering including stucco work.

313. ESTIMATING AND MATERIALS. (1-6) *Credit 3*. I. Use and properties of brick, stone, ceramic tile, terra-cotta-hollow tile, cements, aggregates, steels and other masonry materials; estimating of cost in brickwork, concrete, tile, plastering; reading and working with builders plans.

323. ORNAMENTAL CONCRETE. (1-6) *Credit 3*. II. Theory and practice of ornamental and decorative work in concrete, moldings, pedestals, columns, pottery, vases, benches and other decorative work.

413. CONCRETE, STONE AND TILE WORK. (1-6) *Credit 3*. I. Theory and practice of simple reinforced concrete work, forms; mixing and placing concrete; testing; finishing; stone cutting, setting, tile and brickwork.

423. ADVANCED MASONRY. (0-9) *Credit 3*. II. Theory and practice in special construction in brick and concrete work; laying fire brick, dry bricklaying, fireplace work, gate piers, garden walls, etc.

### PAINTING

112-212. ELEMENTARY PAINTING. (0-6) *Credit 2*. I, II. Elementary painting as an industry course for students in the School of Arts and Sciences.



113. ELEMENTARY PAINTING. (1-6) *Credit 3*. I. Various kinds of paints, varnishes, stains, lacquers, and their ingredients; the relation and recognition of colors; tools, equipment and their uses; practical experience.

117. ELEMENTARY PAINTING. (2-15) *Credit 7*. I. Various kinds of paints, varnishes, stains, lacquers, and their ingredients; the relation and recognition of colors; tools, equipment and their uses; practical experience. (For trade students only.)

123. ELEMENTARY PAINTING. (1-6) *Credit 3*. II. Preparation for exterior surfaces; mixing and applying paints; the effect of weather conditions upon paint jobs; color analysis and color matching; practical experience.

127. ELEMENTARY PAINTING. (2-15) *Credit 7*. II. Preparation of exterior surfaces; mixing and applying paints; the effect of weather conditions upon a paint job; color analysis and color matching; practical experience. (For trade students only.)

213. FURNITURE FINISHING. (1-6) *Credit 3*. I. Knowledge of woods used in the furniture building; use of stains, fillers, shellac and varnish and oils; producing natural, stain, varnish and oil finishings.

217. ADVANCED PAINTING (2-15) *7*. I. Preparing interior surfaces; blending colors with furniture effects of position and light upon interiors; modernistic wall finishing; practical experience. (For trade students only).

223. UPHOLSTERING. (1-6) *Credit 3*. II. Knowledge of tools and materials for upholstering; re-upholstering simple pad back and cushion chairs; re-setting springs in over-stuffed furniture; use of webbing and pad and platform cloth.

227. ADVANCED PAINTING. (2-15) *Credit 7*. II. Simple steps in paper hanging; shop management and furniture finishing; estimating and practical experience. (For trade students only).

243. PAPER HANGING. (1-6) *Credit 3*. II. Knowledge and practicing the best methods of hanging wall papers; proper use and care of tools and equipment, preparing surfaces; measuring and cutting patterns and plain papers.

312. PAPER HANGING OR FURNITURE FINISHING. I. (0-6) *Credit 2*. I. Estimating and extensive practice. Prerequisites: Painting 312, 122, 222. (For trade students only).

313. ADVANCED PAINTING. (1-6) *Credit 3*. I. Preparing interior surfaces; blending color with furniture; effects of position and light upon interiors; modernistic wall finishing; practical experience.

322. PAPER HANGING OR FURNITURE FINISHING. II. (0-6) *Credit 2*. II. Estimating and extensive practice. Prerequisite: Painting 312. (For trade students only).

323. ADVANCED PAINTING. (1-6) *Credit 3*. I. Advanced knowledge and experience of interior and exterior painting; producing flat, gloss and sand finish walls; blended, stippled, mottled and plastic finishes.

343. ADVANCED FURNITURE FINISHING. (1-6) *Credit 3*. I. Producing natural finishes with shellac, varnish and lacquer; graining and enameling; polishing and striping.

402. ESTIMATING AND SHOP MANAGEMENT IN PAINTING TRADE. (2-0) *Credit 2*. I, II. Experience in shop management, and job estimating; keeping accurate records of inventory; accurate records of general expenses; accurate calculations of time, material and labor cost of jobs.

413. ADVANCED PAPER HANGING. (1-6) *Credit 3*. I. Advanced work in the best methods of hanging high grade wall papers, plain and pattern; cutting and matching high grade papers; estimating the amount of materials for given jobs; practical experience to require speed, neatness, and accuracy.

423. ADVANCED UPHOLSTERY. (1-6) *Credit 3*. II. Best methods of estimating materials; re-upholstering over-stuffed chairs and sofas; re-upholstering curve backs; slip covering.

#### PLUMBING AND STEAM FITTING

112-212. PLUMBING AND STEAM FITTING. (0-6) *Credit 2*. I, II. Plumbing and steam fitting as an industry course for School of Arts and Sciences students only.

113. ELEMENTARY PLUMBING. (1-6) *Credit 3*. I. Theory and practice in measuring, cutting and threading steel pipe; cutting and caulking cast iron pipe; repairing faucets and cocks; soldering, grading, and laying sewer lines.

117. INDUSTRIAL AND ELEMENTARY PLUMBING. (2-15) *Credit 7*. I. Care and use of tools; plumbing and heating layouts; measuring, cutting and threading steel pipe; cutting and caulking cast iron pipe; repairing faucets and cocks; soldering, grading, and laying sewer lines. (For trade students only).

123. ELEMENTARY PLUMBING. (1-6) *Credit 3*. II. Theory and practice in lead work and gas pipe work.

127. INDUSTRIAL AND ELEMENTARY PLUMBING. (2-15) *Credit 7*. II. Leadwork; roughing in for, and setting fixtures on small plumbing and heating jobs; material bills, tapping and venting. (For trade students only).

203. RURAL PLUMBING. (0-6) *Credit 3*. Theory and practice of plumbing work as involved on farms and rural homes, irrigation, water distribution to stock, cesspools, septic tanks, commercial gas distribution, water wells, sanitation and health, etc.

214. INTERMEDIATE PLUMBING. (2-6) *Credit 4*. I. Theory and practice of roughing in for, and setting fixtures on small plumbing and heating jobs, topping and venting.

217-227. ADVANCED PLUMBING. (2-15) *Credit 7*. I and II. Small heating systems; installation of boilers of one and two-pipe heating systems; transmission lines, layouts, layouts and codes, etc. Making estimates for labor and material for small plumbing and heating jobs; distribution of hot and cold water; estimating yearly supplies for boarding schools. (For trade students only).

223. INTERMEDIATE PLUMBING. (1-6) *Credit 3*. II. Continuation of Plumbing 214, to include advanced work in hot and cold water distribution.

303. ESTIMATING AND SPECIFICATIONS FOR PLUMBING TRADE. (3-0) *Credit 3*. Estimating materials and cost of plumbing jobs, reading and interpretation of plumbing and heating layouts. Knowledge of specifications in plumbing trade.

313. ADVANCED PLUMBING. (1-6) *Credit 3*. I. Theory and practice of small heating systems to include boiler work for house and small commercial uses.

323. ADVANCED PLUMBING. (1-6) *Credit 3*. II. Theory and practice in advanced problems of hot and cold water distribution; heaters and other plumbing features in homes and commercial businesses.

413. PLUMBING CODES AND HEALTH REGULATIONS. (3-0) *Credit 3*. Existing laws and regulations affecting the plumbing trade; health and sanitation regulations affecting sewer disposal plants, water supplies, etc.

#### PRINTING

102-202. PRINTING. (0-6) *Credit 2*. I, II. Printing as an industry course for School of Arts and Sciences students only.

111. LETTERING. (3-0) *Credit 1*. I. Fundamental Roman letter forms; projects to develop skill in the drawing of letters for layout and reproduction purpose.

112. TYPOGRAPHY. (0-6) *Credit 2*. I. Hand composition; basic problems and techniques in setting type; setting of straight matter and simple display jobs; proofing; care of type and material.

113. GRAPHIC ARTS SURVEY. (3-0) *Credit 3*. I. The history of printing; general survey of allied processes, methods and practices followed.

121. BINDERY OPERATION. (3-0) *Credit 1*. I. Folding, inserting, gathering, stitching, gluing on backs, and trimming; proper methods of wrapping.

122. TYPOGRAPHY. (0-6) *Credit 2*. II. Advanced problems in composition and selection of type; proportion, balance, shape, harmony, tone harmony, contrast, subject harmony and color.

132. LAYOUT AND DESIGN. (0-6) *Credit 2*. I. Fundamentals of design incorporating "thumbnail," "roughs," space break-up, movement, balance, type legibility, and copyfitting.

142. LAYOUT AND DESIGN. (0-6) *Credit 2*. II. The designing of blotters, folders, broadsides, booklets, brochures, etc.; their function, and the solving of problems involved in their production.

152. PLATEN PRESSWORK. (0-6) *Credit 2*. I. Operation of the Platen press; feeding and simple makeready.

162 or 163. CYLINDER PRESSWORK. (0-6) or (0-9) *Credit 2, 3*. II. Operation and care of small cylinder presses; the makeready and feeding of commercial job forms.

172 or 173. PLATEN PRESSWORK. (0-6) *Credit, 2, 3*. II. Advanced makeready on halftones and more intricate work; introduction to automatic platen press.

182. MACHINE COMPOSITION. (0-6) *Credit 2*. II. Elementary phases of linotype operation; keyboard fingering, and practice in setting from simple copy.

212. ESTIMATING. (2-0) *Credit 2*. II. Application of the elements of cost-finding to jobs of printing in process.

221. TYPOGRAPHY. (0-3) *Credit 1*. II. Craftsmanship and efficiency in handling typical jobs; creative and experimental typography.

241. MACHINE MAINTENANCE. (0-3) *Credit 1*. I. Functions of the devices comprising the Linotype machine; dissection, reassembly, adjustment of parts and correction of difficulties.

292. TYPOGRAPHY. (0-6) *Credit 2*. I. Accepted trade practices in handling typical jobs; training in the application of principles in experimental typography; instruction and practice in mark-up.

232. IMPOSITION AND LOCKUP. (0-6) *Credit 2*. I. Making up of different kinds of type and combination forms; imposition and lockup beginning with simple forms and progressing to more complex ones.

243. PLANT MANAGEMENT. (3-0) *Credit 3*. II. Solution of problems of finance profits, plant layout, equipment, operation, and employee relations.

222. ESTIMATING. (2-0) *Credit 2*. I. Estimating time on all classes of composition, presswork, binding, paper, halftones, etc.

252 or 253. CYLINDER PRESSWORK. (0-6) or (0-9) *Credit 2, 3*. I. Advanced presswork, makeready and feeding, including newspaper and book work; press mechanism and adjustments. Introduction to simple color work.

262 or 263. CYLINDER PRESSWORK. (0-6) or (0-9) *Credit 2, 3*. II. Operation and care of large cylinder presses; makeready of halftone and process color work.

272 or 273. MACHINE COMPOSITION. (0-6) or (0-9) *Credit 2, 3*. I. Accuracy, development of speed, correct handling of straight matter, simple tabular work, and moderately complex composition.

282 or 283. MACHINE COMPOSITION. (0-6) or (0-9) *Credit 2, 3*. II. The development of trade accuracy and speed; understanding and practice of accepted typographic usage; setting for color separation, headings, display and advertising matter; twin-matter composition; work in the routine care of machines.

292 or 293. PRINTING PRODUCTION. (0-6) or (0-9) *Credit 3*. II. Planning, estimating, scheduling and complete manufacture of printing jobs.

#### RADIO

112-212. RADIO (0-6) *Credit 2*. I, II. Radio as an industry course for School of Arts and Sciences students only.

113. RADIO THEORY. (3-0) *Credit 3*. I. Electron theory; fundamental electrical units; magnetism; electro-magnetism and electro-magnetic induction.

113-123, 215-225. RADIO LABORATORY. (0-9) (0-15) *Credit 3, 5*. I, II. Measuring and testing instruments; vacuum tube voltmeters, output meters, frequency meters, signal generators, and cathode-ray oscilloscopes; analysis and interpretation of measurements results; "trouble-shooting" and repairing commercial radios.

123. RADIO THEORY. (3-0) *Credit 3*. II. Inductance, inductors, transformers; capacitance, condensers, and vacuum tubes.

183. CIRCUIT LABORATORY. (0-9) *Credit 3*. II. Experiments and tests; fundamental concepts of alternating current circuits; series and parallel circuits; reactance and impedance; resonant and non-resonant; sinusoidal and non-sinusoidal wave analysis; couples circuits and basic filter theory.

212. TEST INSTRUMENTS. (2-0) *Credit 2*. I. Commercial test instruments in use by repairmen and technicians; operation and repair; repairs to the d'Arsonval type meter.

213. RADIO THEORY. (3-0) *Credit 3*. I. Detectors; superhetrodyne theory, A. F. amplifiers; R. F. amplifiers; filters, special circuits; sound and sound production.

223. RADIO THEORY (3-0) *Credit 3*. II. Trouble in A. C. and D. C. sets; radio measurements; classification and use of meters; tube troubles; repairs and replacements; superheterodyne troubles and remedies.

273. FREQUENCY MODULATION. (0-9) *Credit 3.* I. General principles and advantages; block diagram of transmitter; block diagram of receiver; use of limiter and discrimination.

274. TELEVISION. (2-6) *Credit 4.* I and II. Theory and laboratory experience with television receivers and antennas, including installation, aligning, trouble shooting, and practice with television receivers and antennas.

423. RESEARCH AND PROBLEMS. *Credit to be arranged.* I. Every student taking Radio Repair as a trade must select some problem or project in which he is interested and must do intensive research work on it. The result of his project or problem must be written and presented in a regular seminar.

#### SHEET METAL

112-212. SHEET METAL. (0-6) *Credit 2.* I, II. Sheet metal as an industry course for School of Arts and Sciences students only.

113. ELEMENTARY SHEET METAL. (1-6) *Credit 3.* I. Fundamental machine and hand tool operation. Study of materials; development and execution of simple patterns.

117-127. ELEMENTARY SHEET METAL. (2-15) *Credit 7.* I, II. Templates, soldering, brazing, seaming, and study and use of sheet and bar materials. (For trade students only).

123. ELEMENTARY SHEET METAL. (1-6) *Credit 3.* II. Continuation of sheet metal 113 to include direct layouts and short methods.

213. INTERMEDIATE SHEET METAL. (1-6) *Credit 3.* I. Use of templates, soldering, brazing, seaming, drafting of irregular patterns by means of triangulation.

217-227. ADVANCED SHEET METAL. (2-15) *Credit 7.* I, II. Different types of sheet and wrought-iron works as applied to furniture, building construction, heating ducts, and ornament; welding and brazing. Prerequisite: Elementary Sheet Metal 127. (For trade students only).

223. INTERMEDIATE SHEET METAL. (1-6) *Credit 3.* II. Continuation of Sheet Metal 213, including advanced problems.

313. INDUSTRIAL ARTS SHEET METAL. (1-6) *Credit 3.* I. Sheet metal for industrial arts classes in the typical secondary school. Suitable projects, material, tools and equipment.

323. INDUSTRIAL ARTS SHEET METAL. (1-6) *Credit 3.* II. Advanced operations such as raising, forming, stretching, shrinking, bending, spinning, chasing, seaming, piercing, etching, coloring; applied in projects in the working of copper, brass, aluminum, and other materials used in the industrial arts shop.

413. ADVANCED SHEET METAL. (1-6) *Credit 3.* I. Theory and practice in different types of sheet and wrought-iron works as applied to furniture, building construction, heating and ventilation ducts, and ornamental work.

423. ADVANCED SHEET METAL. (1-6) *Credit 3.* II. Continuation of Sheet Metal 413.

#### SHOEMAKING AND REPAIR

112-212. SHOEMAKING. (0-6) *Credit 2.* I, II. Shoemaking as an industry course for students in the School of Arts and Sciences only.

117. SHOEMAKING. (2-15) *Credit 7.* I. Care of shop; care and use of tools; making bristled waxed thread ends; sewing with hand sewing

awl; tempering sole leather; moulding whole and half soles for bottom use; fitting half soles; sewing rips in upper and soles by hand. (For trade students only).

127. SHOEMAKING (2-15) *Credit 7*. I. Selection of lasts to correct the shape of shoes to be repaired; nailing soles previously fitting; repairing leather and wood heels; lock stitching; trimming edges by hand; classification on soles and upper patch leather; fitting needles and the repair of the universal feed machine; getting outlines of vamp; quarter and sole patches; putting on cement; vamp and sole patches; sewing soles by the hand method. (For trade students only).

217. SHOEMAKING. (2-15) *Credit 7*. I. The care of the finishing machine; fitting and preparing cement soles; repairing light half soles on shoes; the history of footwear; fitting insoles; repairing turn soles by the turn method; sewing welts; putting on plain bottoms; stitching soles with machine and trimming and finishing edges with machine. (For trade students only).

222-232. DRAFTING (0-6) *Credit 2*. I, II. Drafting patterns for insoles, uppers and various parts of shoes and other footwear. (For trade students only).

227. SHOEMAKING. (2-15) *Credit 7*. II. The use and care of the McKay Self-channelling machine; fitting needles in the machine; general repairs to machine; the use and care of the rough rounding machine; the lip channel method of fastening whole sole with the stitches; general organization and shop management; keeping books and job records. (For trade students only).

#### STATIONARY ENGINEERING

112. ELEMENTARY STATIONARY ENGINEERING. (0-6) *Credit 2*. I. Nomenclature of power plant equipment and tools; steam fittings, and heat insulation; choice and application of lubricants; steam boilers, types, settings and operation.

122. ELEMENTARY STATIONARY ENGINEERING. (0-6) *Credit 2*. II. Reciprocating engines, air compressors, mechanical drives; generation of electrical energy; steam heating systems and accessories; reading and testing of meters and gauges; power plant switchboards.

212. ADVANCED STATIONARY ENGINEERING. (0-6) *Credit 2*. I. Steam turbines, condensers and turbine accessories, refrigeration, ice making, air conditioning, plant repair work; steel and bronze welding, soldering, babbitting, and machine tool work.

222. ADVANCED STATIONARY ENGINEERING. (0-6) *Credit 2*. II. Erection of power plant equipment; hoisting apparatus, and application of slings, hitches, jacks, cribbing, skills, and rollers to heavy machinery; cost of erection; plant records, managements of a power plant.

#### TAILORING

112-212. TAILORING. (0-6) *Credit 2*. I, II. Tailoring as an industry course for students in the School of Arts and Sciences only.

113. ELEMENTARY TAILORING. (0-9) *Credit 3*. I. Names and uses of various stitches; trouser cutting and making; trouser measurements; the tailor's square and its uses.

117. ELEMENTARY TAILORING. (2-15) *Credit 7*. I. Names and uses of various stitches; trouser measurements; the tailor's square and its uses; trouser cutting. (For trade students only).

123. ELEMENTARY TAILORING. (0-9) *Credit 3*. I. Use and care of tailoring machines; skirt drafting, cutting and making.

127. ELEMENTARY TAILORING. (2-15) *Credit 7*. I. Trouser drafting, trimming and making; serges and worsted; use and care of tailoring machines; skirt drafting, cutting and making. (For trade students only).

132-142. DRAFTING. (0-6) *Credit 2*. I, II. Use of drafting instruments; taking measurements; the drafting of trousers, knickers, coats and ladies skirts; general drafting and designing. (For trade students only).

133. TAILORING. (3-0) *Credit 3*. Textile fabrics; fibers, weaves and textile designs used for making clothing.

213. TAILORING. (0-9) *Credit 3*. II. Proportionate vest cutting, drafting and making; collar and canvas construction.

217. ADVANCED TAILORING. (2-15) *Credit 7*. Coat and vest measurements; direct and proportionate, vest cutting, drafting and making; collar and canvas construction. (For trade students only).

223. TAILORING. (0-9) *Credit 3*. II. Sack coat cutting, trimming and making.

227. ADVANCED DRAFTING. (2-15) *Credit 7*. II. Coat cutting, trimming, drafting and making; alterations and repairs; hand and machine-made coats; method of lining and relining. (For trade students only).

232-242. ADVANCED DRAFTING. (0-6) *Credit 2*. Continuation of Course 142, including advanced and special problems. (For trade students only).

313. TAILORING. (0-9) *Credit 3*. II. Tuxedo and full-dress coat cutting, trimming and making.

323. TAILORING. (0-9) *Credit 3*. II. Alterations and repairs to our garments worn by ladies and men; methods of lining and relining.

233. TAILORING. (3-0) *Credit 3*. Measures and measurements; individual and proportionate measurements.

#### WELDING

112-212. WELDING. (0-6) *Credit 2*. I, II. Welding as an industry course for students in the School of Arts and Sciences only.

117-127. ELEMENTARY WELDING. (2-15) *Credit 7*. I, II. An elementary course in the fundamentals of oxy-acetylene and electric welding; including cutting. (For trade students only).

132-135. WELDING. (0-6) (0-15) *Credit 2, 5*. I, II. Theory and practice of oxyacetylene and arc welding.

217-227. ADVANCED WELDING. (2-15) *Credit 7*. I, II. Further practice in oxyacetylene and electric welding; modern techniques in welding maintenance and fabrication; servicing of equipment and controls; manufacture of gases; calculating cost; job rating and design.

#### WOODWORK

112-212. GENERAL WOODWORK. (0-6) *Credit 2*. I, II. An exploration of the woodwork field and a study of its related socio-economic problems; development of an appreciation for wood and its aesthetic qualities; the construction of general small projects using correct tools, materials and operational procedures. (For students of School of Arts and Sciences only).

113. FUNDAMENTAL WOODWORK. (1-6) *Credit 3*. I. The care, use and selection of fundamental woodworking tools, materials and equipment; skill in the hand construction of approved projects which must embody good construction and good design values; training in the ability to analyze a problem into its learning units and to plan the procedure in the execution of a job.

121. MAINTENANCE OF SHOP EQUIPMENT. (0-3) *Credit 1.* I, II. The care and upkeep of shop tools and equipment; gumming, milling, jointing, sharpening of circular saws, setting and filing hand saws, brazing band saws, sharpening jointer knives.

214. CABINETMAKING. (2-6) *Credit 4.* I. Introduction to woodworking machines through their use and care; construction of small pieces of period furniture embodying good design and specific units of instruction. Prerequisite: fundamental woodworking, freehand drawing.

223. WOOD TECHNOLOGY. (3-0) *Credit 3.* II. Structures and properties of woods; characteristics and distribution of common species; lumbering, sawmilling, kilning, grading, measurements, markets.

314. MACHINE WOODWORK. (2-6) *Credit 4.* I, II. Production method in the use of power machines. Practical experience with the techniques of modern mass production. Prerequisite: Woodwork 114-214.

322. PATTERN MAKING. (0-6) *Credit 2.* II. Care and use of bench and machine tools used in pattern making, materials used in the making of patterns; meaning, use and construction of patterns to illustrate principles of draft, shrinkage, finish, warp, and core prints.

323. WOOD TURNING (1-6) *Credit 3.* II. Proper care and use of the lathe and lathe tools; the principles of cutting and scraping; the making of projects with emphasis on good design. (Prerequisite: Woodwork 214.)

414. FURNITURE AND CABINETMAKING. (2-6) *Credit 4.* I. Advanced course with emphasis on art and design in furniture construction; construction of period and modern style furniture.



## SCHOOL OF HOME ECONOMICS

The School of Home Economics aims to give training for homemaking and also to provide special opportunity for study of the problems of homemaking, teaching of homemaking, extension, and other phases of the home economics field. Students desiring to major or minor in home economics education, textiles and clothing, dietetics, foods and nutrition, household economics and child development, should consult the Dean of the School.

The School of Home Economics offers some opportunities for graduate study. The bulletin of the graduate School gives full information concerning requirements and nature of the work.

The School of Home Economics offers curricula with a major or minor in Foods and Nutrition, Textiles, and Clothing, Dressmaking and Design, Household Economics and Child Development. These curricula are arranged sufficiently flexible to provide for needs of the following specific groups:

1. Those who wish to enrich their general and cultural education by electing courses from the Home Economics Curriculum.
2. Those who may wish to take a minor in Home Economics.
3. Those who wish to become teachers of homemaking in High School, or some phase of Home Economics in College.
4. Those who wish to become proficient in one phase of Home Economics in preparation for a career other than teaching.
5. Graduate students who wish to take refresher work, or who are candidates for a master's degree.
6. Persons desiring a special curriculum in Dietetics, Clothing, Dressmaking and Design, Foods and Nutrition, or Household Economics and Child Development.

### REQUIREMENTS FOR GRADUATION

To receive the degree of Bachelor of Science in Home Economics a student must complete 132 semester hours, with an average of C or above and a standing of one grade point. Thirty (30) semester hours are required for a major and 18-20 semester hours for a minor in all areas.

### HOME ECONOMICS EDUCATION

#### FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Chemistry 114 .....	4	Chemistry 124 .....	4
Inorganic Chemistry .....		Inorganic and Qualitative .....	
English 113 .....	3	English 123 .....	3
Grammar and Composition .....		Reading and Composition .....	
Mathematics 173 .....	3	Physical Education 121 .....	1
Applied Mathematics .....		Freshman Practice .....	
Physical Education 111 .....	1	Home Economics Education 123 .....	3
Freshman Practice .....		Family Life Education .....	
Home Economics Education 113 .....	3	Foods 123 .....	3
Orientation .....		Elementary Nutrition .....	
Art 113 .....	3	Clothing 123 .....	3
Elementary Design or .....		Textiles and Clothing or .....	
Clothing 113 .....		Art 113 .....	
Textiles and Clothing .....		Elementary Design .....	
	—		—
	17		17

## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Engineering 233	3 or 4	Political Science 203	3
Household Mechanics or Physics 214		State Government	
Political Science 263	3	English 223	3
National Government		Introduction to Literature	
Economics 203	3	Physical Education 221	1
Survey of Economics		Sophomore Practice	
English 213	3	Foods 223	3
Public Speaking		Family Nutrition	
Physical Education 211	1	Clothing 223	3
Sophomore Practice		Children's Clothing	
Education 113	3	Elective	3
Introduction to Education			
	16 or 17		16

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Biology 304	4	Sociology 323	3
Physiology		The Family	
Education 353	3	Education 383	3
Advanced Psychology		Educational Psychology	
House 313	3	Home Economics Education 363	3
Household Equipment		Special Methods	
Clothing 323	3	House 323	3
Dressmaking		Household Furnishing	
Home Economics Education 332	2	Foods 323	3
Home and Summer Experiences		Meal Planning	
	15	Home Economics Education 382	2
		Club Work	
			17

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Home Economics Education 406	6	*House 463	3
Practice Teaching		Home Economics Agriculture	
*House 403	3	Home Economics Education 343	3
Supervised Home Management		Adult	
*Parental Education 401	1	Electives	9
Nursery School Observation			
*Parental Education 413	3		
Child Guidance			
*Clothing 414	4		
Advanced Clothing Problems			
*Foods 413	3		
Advanced Nutrition			
	20		15
		Total Semester Hours 133 or 134	

## CLOTHING AND TEXTILES

## FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Chemistry 114	4	Chemistry 124	4
Inorganic		Inorganic and Qualitative	
*Art 113	3	English 123	3
Elementary Design or		Reading and Composition	
Clothing 113	3	Physical Education 121	1
Textiles and Clothing		Freshman Practice	
English 113	3	Home Economics Education 123	3
Grammar and Composition		Family Life Education	
Mathematics 173	3	Foods 123	3
Applied Mathematics		Elementary Nutrition	
Physical Education 111	1	Clothing 123	3
Freshman Practice		Textiles and Clothing or	
Home Economics Education 113	3	Art 113	3
Orientation		Elementary Design	
	17		17

\* Either semester in program

## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Engineering 233	3 or 4	Political Science 203	3
Household Mechanics or		State Government	3
Physics 214		English 223	3
Political Science 263	3	Introduction to Literature	1
National Government		Physical Education 221	3
English 213	3	Sophomore Practice	3
Public Speaking		Elective	3
Physical Education 211	1	Chemistry 244	4
Sophomore Practice		Physiological	3
Education 113	3	Foods 223	3
Introduction to Education		Family Nutrition	3
Clothing 223	3		
Children's Clothing			
	16 or 17		17

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Biology 304	4	Sociology 323	3
Physiology		The Family	
Education 353	3	Home Economics Education 363	3
Adolescent Psychology		Special Methods	
Household Economics 383	3	Clothing 374	4
Clothing 314	4	Men's Wear	3
Tailoring for Women		Electives	3
Electives	4		
	18		18

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
*Art 413	3	Clothing 423	3
Drawing Costume Figures		Advanced Textiles	
Home Economics Education 406	6	Clothing 424	4
Practice Teaching		Advanced Construction	
*House 403	3	Clothing 402	2
Residence		Clothing Clinic	
*Parental Education 413	3	Clothing 422	2
Child Guidance		Millinery	
*Parental Education 401	1	Clothing 412	2
Nursery School Observation		Consumer Education	
*Clothing 414	4		
Clothing Problems			
	20		13
Total hours 137			

NOTE.—Students interested in Dressmaking—a two-year course, will see Dean or Advisor for guidance.

## DRESSMAKING AND DESIGN

## TWO-YEAR COURSE

## FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
English 113	3	English 123	3
Grammar and Composition		Reading and Composition	
Chemistry 114	4	Chemistry 124	4
Inorganic Chemistry		Inorganic and Qualitative	
Home Economics 113	3	Clothing 123	3
Orientation		Elementary Clothing	
Mathematics 178	3	Art 113	3
Applied Mathematics		Elementary Design	
Clothing 113	3	Mathematics 183	3
Textiles and Clothing		Applied Mathematics	
Physical Education 111	1	Physical Education 121	1
Freshman Practice		Freshman Practice	
	17		17

\* Either semester in program

## SOPHOMORE YEAR

NOTE.—Students enrolled in Dressmaking and Design, two-year course, must consult Dean or Advisor for guidance in making second year schedule.

Number of hours required for graduation 68.

## FOODS AND NUTRITION

## FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Chemistry 114 .....	4	Chemistry 124 .....	4
Inorganic Chemistry .....		Inorganic and Qualitative .....	
Art 113 .....	3	English 123 .....	3
Elementary Design or .....		Reading and Composition .....	
Clothing 113 .....	3	Physical Education 121 .....	1
Textiles and Clothing .....		Freshman Practice .....	
English 113 .....	3	Home Economics Education 123 .....	3
Grammar and Composition .....		Family Life Education .....	
Mathematics 173 .....	3	Foods 123 .....	3
Applied Mathematics .....		Elementary Nutrition .....	
Physical Education 111 .....	1	Clothing 123 .....	3
Freshman Practice .....		Textiles and Clothing or .....	
Home Economics Education 113 .....	3	Art 113 .....	
Orientation .....		Elementary Design .....	
—	17	—	17

## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Engineering 233 .....	3 or 4	Political Science 203 .....	3
Household Mechanics or .....		State Government .....	
Physics 214 .....		English 223 .....	3
Political Science 263 .....	3	Introduction to Literature .....	
National Government .....		Physical Education 221 .....	1
English 213 .....	3	Sophomore Practice .....	
Public Speaking .....		Elective .....	3
Physical Education 211 .....	1	Chemistry 244 .....	4
Sophomore Practice .....		Physiological .....	
Education 213 .....	3	Foods 223 .....	3
Introduction .....		Family Nutrition .....	
Chemistry 203 .....	3	—	—
Food Chemistry .....		—	17
—	16 or 17	—	17

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Biology 304 .....	4	Sociology 323 .....	3
Physiology .....		The Family .....	
Education 353 .....	3	*Education 333 .....	3
Adolescent Psychology .....		Educational Psychology .....	
Foods 303 .....	3	Home Economics Education 363 .....	3
Techniques .....		Special Methods .....	
Economics 213 .....	3	Clothing 323 .....	3
Principles .....		Dressmaking .....	
Electives .....	5	Foods 323 .....	3
—	—	Meal Planning .....	
—	18	Foods 343 .....	3
—	—	Home Economics Agriculture .....	
—	—	—	18

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
*Home Economics Education 406	6	Foods 423	3
Practice Teaching		Advanced Nutrition	
*House 403	3	Foods 432	2
Home Management		Seminar	
*Parental Education 401	1	Electives	12
Nursery School Observation			17
Clothing 414	4		
Advanced Clothing Problems			
Foods 403	3		
Experimental Cookery			
Foods 413	3		
Institutional Cooking			
	20		
Total hours 141			

## HOUSEHOLD MECHANICS AND CHILD DEVELOPMENT

## FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Chemistry 114	4	Chemistry 124	4
Inorganic Chemistry		Inorganic and Qualitative	
Art 113	3	English 123	3
Elementary Design or		Reading and Composition	
Clothing 113	3	Physical Education 121	1
Textiles and Clothing		Freshman Practice	
English 113	3	Home Economics Education 123	3
Grammar and Composition		Family Life	
Mathematics 173	3	Foods 123	3
Applied Mathematics		Elementary Nutrition	
Physical Education 111	1	Clothing 123	3
Freshman Practice		Textiles and Clothing or	
Home Economics Education 113	3	Art 113	
Orientation		Elementary Design	
	17		17

## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Engineering 233	3 or 4	Political Science 203	3
Household Mechanics or		State Government	
Physics 214	3	English 223	3
Political Science 263	3	Introduction to Literature	
National Government		Physical Education 221	1
English 213	3	Sophomore Practice	
Public Speaking		Elective	3
Physical Education 211	1	Chemistry 244	4
Sophomore Practice		Physiological	
Education 113	3	Foods 223	3
Introduction		Family Nutrition	
Clothing 223	3		
Children's Clothing			17
	16 or 17		

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Biology 304	4	Sociology 323	3
Physiology		The Family	
Education 353	3	Education 383	3
Adolescent Psychology		Educational Psychology	
Household Economics 313	3	Household Economics 383	3
Equipment		Finance	
Child Guidance 333	3	Child Guidance 323	3
Physical Development		Parent Education	
Electives	4	Foods 323	3
	17	Meal Planning	
			16

\* Either semester

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Household Economics 423 .....	3	Household Economics 443 .....	3
Housing		Home Management	
Home Economics Education 414 .....	4	Child Development 403 .....	3
Observation and Participation		Nursery School Observation	
Child Development 453 .....	3	Child Development 463 .....	3
Problems		Nursery School Administration	
Child Development 433 .....	3	Electives .....	8
Guidance			
Electives .....	4		
	<u>17</u>		<u>17</u>

Total hours 134

## DIETETICS AS A CAREER

It has become increasingly apparent that the proper enjoyment and preservation of life is more dependent upon food than upon any other single factor. With the advance in technology of the twentieth century, and its resultant social changes, food, its proper balance, preparation and service have become of great interest to the general public. Food is now our largest single industry. It gives employment to nearly 54% of our population. In good times and bad, it provides that one group of commodities that is indispensable. It employs the one group of individuals whose services are always needed.

During the past few years, the field of opportunity for dietitians has expanded enormously. While the field of dietetics is firmly established, it is by no means overcrowded. For these reasons, the future dietitian can look forward with confidence to a career that offers stability, unlimited opportunity for advancement, diversity of activity, and possibility of performing vital services for fellow human beings. As a person offering an important service, the dietitian can expect proportionate income and reward.

To those contemplating a career that affords real advantages, the School of Home Economics offers a course designed to provide training in the essential requirement of this fascinating vocation.

## CURRICULUM IN DIETETICS

## FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
English 113 .....	3	English 123 .....	3
Grammar and Composition		Reading and Composition	
Education 103 .....	3	Art 113 .....	3
General Orientation		Elementary Design	
Mathematics 173 .....	3	Mathematics 183 .....	3
Elements of Applied Math.		Elements of Applied Math.	
Foods 123 .....	3	Chemistry 124 .....	4
Elementary Nutrition		Inorganic and Qualitative	
Chemistry 114 .....	4	Foods 213 .....	3
Inorganic		Elementary Nutrition	
Physical Education 111 .....	1	Physical Education 121 .....	1
Freshman Practice		Freshman Practice	
	<u>17</u>		<u>17</u>

## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Chemistry 315 .....	5	Chemistry 244 .....	4
General Organic .....		Physiological .....	
English 213 .....	3	Foods 233 .....	3
Public Speaking .....		Products .....	
House 313 .....	3	Animal Husbandry 342 .....	2
Household Equipment .....		Farm Meats (School of Agri.) .....	
Dairying 223 .....	3	Economics 203 .....	3
Farm Dairying (School of Agri.) .....		Survey of Economics .....	
Psychology 353 .....	3	Sociology 213 .....	3
Adolescent .....		Introduction .....	
	—	Physical Education 203 .....	3
	17	Personal Hygiene .....	—
			18

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Biology 334 .....	4	Chemistry 203 .....	3
General Microbiology (Bacteriology) .....		Food Chemistry .....	
Parental Education 413 .....	3	Foods 323 .....	3
Child Guidance .....		Meal Planning and Serving .....	
Biology 304 .....	4	Foods 423 .....	3
Physiology .....		Advanced Nutrition and Diet .....	
Foods 414 .....	4	Animal Husbandry 213 .....	3
Selection and Preparation .....		Farm Poultry (School of Agri.) .....	
	—	Chemistry 434 .....	4
	15	Biochemistry .....	—
			16

## \*SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foods 413 .....	3	Food Preservation 343 .....	3
Institutional Cookery .....		Food Preservation (School of Agri.) .....	
Clothing 113 .....	3	Electives .....	13
Textiles and Clothing .....			
Education 343 .....	3		
Child Psychology .....			
English 223 .....	3		
World Literature .....			
Electives .....	4		
	16		16

Total hours 132

## DESCRIPTION OF COURSES

## ART

113. ELEMENTARY DESIGN. (1-4) *Credit 3.* I or II. Art Principles and their application to home problems.

413. COSTUME DESIGN. (1-5) *Credit 3.* I or II. The development of costume; factors which influence past and present day costumes and fashions; application of art principles to designing clothing for different types of figures; drawing costume figures. Prerequisite: clothing, drawing, design. To be taken with a clothing course.

## CHILD DEVELOPMENT

323. PARENT EDUCATION. (3-0) *Credit 3.* II. Parents needs in relation to children; investigation of methods, materials, and literature used in work with parents.

333. PHYSICAL DEVELOPMENT OF CHILDREN. (3-0) *Credit 3.* I. Nutritional requirements and growth patterns of children; factors influencing this growth.

\* Courses in Senior Year may be re-arranged with Faculty Advisement.

401. NURSERY SCHOOL OBSERVATIONS. (0-2) *Credit 1.* I or II. Observations of pre-school children; participation in nursery school activities; meetings with parents.

403. NURSERY SCHOOL OBSERVATION AND PARTICIPATION. (0-6) *Credit 3.* I or II. Experience with small children through observation and participation in the Nursery School.

413. CHILD GUIDANCE. (3-0) *Credit 3.* I and II. Care and training of the child from pre-natal life through the pre-school period; standards for normal physical, mental, social and emotional development.

422. HOME NURSING. (2-0) *Credit 2.* I or II. Personal and family health problems in homes.

433. GUIDANCE TECHNIQUE. (3-0) *Credit 3.* I. Survey and evaluation of techniques developed and used in family living.

453. PROBLEMS OF CHILD DEVELOPMENT. (3-0) *Credit 3.* I. Opportunities to discuss problems of the classroom, the community and related fields.

463. NURSERY SCHOOL ADMINISTRATION. (3-0) *Credit 3.* II. Administration in the areas of housing, equipment, costs, staff program, health protections and community relations.

#### CLOTHING AND TEXTILES

113, 123. TEXTILES AND CLOTHING FOR FAMILY. (1-4) *Credit 3.* I and II. Analyzing personal and family resources; standards in the selection, purchase, use and maintenance of the wardrobe from the standpoint of material, construction and design; experience in judging and improving personal standards in relation to clothing consumption.

223. CHILDREN'S CLOTHING. (1-4) *Credit 3.* I or II. Selection and construction of garments—infants and young children.

313. COSTUME DESIGN. (0-4) *Credit 2.* I or II. Principles underlying the use of patterns; the construction and fitting of garments; experience in applying these principles.

314. TAILORING FOR WOMEN. (2-4) *Credit 4.* I. Experience in handling various types of woollens and the problems involved in the construction of a suit, coat and slacks. Prerequisites: Clothing 124, 223. Estimate for materials and supplies: \$40.00.

323. DRESSMAKING. (1-4) *Credit 3.* I. Suit and coat making for women.

374. MEN'S WEAR AND CLOTHING RECLAMATION. (2-2) *Credit 4.* II. Use of commercial and custom made patterns in constructing simple garments for men; remodeling and dyeing of garments. Estimate on supplies: \$5.00.

402. CLOTHING CLINIC. (0-4) *Credit 2.* I or II. Experience in clothing construction, fitting and design for customers.

412. CONSUMER EDUCATION. (2-0) *Credit 2.* II. Standards of living and cultural background upon clothing consumer problems.

414. ADVANCED CLOTHING PROBLEMS. (0-8) *Credit 4.* I. Pattern study, draping, drafting and fitting; individuality in dress; garments designed from the foundation patterns.

422. MILLINERY. (0-4) *Credit 2.* Hats and bags to complete selected costumes, and occasions.

423. ADVANCED TEXTILES. (1-4) *Credit 3.* Nature of the raw materials; economic, chemical and physical applications involved in their manufacture and use; methods and significance of physical testing. Prerequisites: Chemistry 114, 124, 214. 224. Biology 304; Physics 214.



244. ADVANCED CLOTHING CONSTRUCTION. (0-8) *Credit 4.* II. Techniques in selecting and constructing special occasion garments; the modeling of clothes. Estimate of materials and supplies: \$30.00.

#### FOODS AND NUTRITION

123. ELEMENTARY NUTRITION. (1-4) *Credit 3.* Developing food selection habits which meet nutritional standards; developing a scientific knowledge of foods.

203. FOOD CHEMISTRY. (2-2) *Credit 3.* Chemistry of fats, carbohydrates and proteins. Prerequisites: Inorganic and Organic Chemistry.

213. ELEMENTARY NUTRITION. (3-0) *Credit 3.* I. Food selection habits which meet nutritional standards; social significance of food and standard of food selection at various economic levels.

223. FAMILY NUTRITION AND CHILD FEEDING. (1-4) *Credit 3.* I or II. Preservation and discussion of current ideas on feeding children and their families; relation of nutrition to physical growth and development. Prerequisite: Elementary nutrition.

233. PRODUCTS. (1-4) *Credit 3.* II. Food products, sources and uses.

303. TECHNIQUES AND PRINCIPLES OF DEMONSTRATION. (1-4) *Credit 3.* I or II. Purpose and technique of demonstration in food preparation and nutrition. Each student expected to prepare and give several demonstrations.

323. MEAL PLANNING AND PREPARATION. (1-4) *Credit 3.* II. Planning, preparing and serving palatable, nutritious and attractive meals for families at various economic levels; use and care of equipment and table appointments.

343. FOOD PRESERVATION. (1-4) *Credit 3.* I. Equipment, recipes and directions for home food preservation. Taught in School of Agriculture.

403. EXPERIMENTAL COOKERY. (1-4) *Credit 3.* I or II. Factors involved in meal planning, preparation and serving of food with special units on food experimentation and comparison of commercial and home products.

413. INSTITUTIONAL COOKERY. (1-4) *Credit 3.* II. Fundamentals of preparing food in large quantities; rudiments of cafeteria and Institutional management. Menu planning, preparation and serving large groups.

414. SELECTION AND PREPARATION. (2-2) *Credit 4.* I. Marketing; choice of foods and selection of methods of preparation of vegetables, meats, cereals and fruits.

423. ADVANCED NUTRITION AND DIET THERAPY. (1-4) *Credit 3.* II. Principles of human nutrition; energy, mineral, vitamin, fat and carbohydrate requirements of human body; selection of food as related to health by planning diets for various diseases. Prerequisite: Physiology and Human Biochemistry.

432. SEMINAR AND READING IN NUTRITION. (2-0) *Credit 2.* II. Recent trends and findings in nutrition; topics related to practical problems in human nutrition. Prerequisites: Background in physiology, chemistry and nutrition.

#### HOME ECONOMICS EDUCATION

113. ORIENTATION. (3-0) *Credit 3.* I or II. Required of all entering freshmen in School of Home Economics; problems of Freshman students.

123. FAMILY LIFE EDUCATION. (3-0) *Credit 3.* I or II. Family life problems and experiences in solving them.

332. SUMMER AND HOME EXPERIENCES. (2-0) *Credit 2*. I. Summer and home experiences as methods to use in increasing effectiveness of teaching; study reports of the experiences.

343. ADULT EDUCATION. (3-0) *Credit 3*. II. Objectives of adult education; planning program; teaching procedures; and discussion of special problems.

363. SPECIAL METHODS. (3-0) *Credit 3*. I and II. Curriculum, methods of teaching, management, and other problems of the homemaking teacher.

382. CLUB WORK. (2-0) *Credit 2*. II. N. H. A. as an integral part of the homemaking program.

406. STUDENT TEACHING AND PROBLEMS. (6-0) *Credit 6*. I or II. Supervised teaching of homemaking in schools for a period of 9 weeks.

414. PROBLEMS IN OBSERVATION AND PARTICIPATION IN NURSERY SCHOOL. (1-14) *Credit 4*. I or II. Work as assistant in Nursery School; experience to be earned in a selected nursery school away from campus. (9 weeks). Elective.

#### HOUSEHOLD ECONOMICS

123. INTRODUCTION TO FAMILY ECONOMICS. (3-0) *Credit 3*. II. Major social and economic problems faced by home managers in bringing about good family relationships.

223. INTRODUCTION TO HOUSEHOLD PHYSICS. (3-0) *Credit 3*. II. Equipment used in the home; construction features, and operation of household wares in general.

313. HOUSEHOLD EQUIPMENT. (3-0) *Credit 3*. I. Principles and management involved in use, care, and repair of equipment.

323. HOUSE FURNISHING. (3-0) *Credit 3*. II. Planning and furnishing for optimal enjoyment in consideration of family income, size of family, family interests, color materials, furniture and furniture arrangement.

383. PERSONAL AND FAMILY FINANCE. (3-0) *Credit 3*. II. Specific financial problems confronting individual and family groups; advanced study of budgeting; the operating cost of a home, legal aspects of the home; wills, investments and a further study of insurance.

403. SUPERVISED HOME MANAGEMENT. (1-4) *Credit 3*. I and II. House residence; experiences in group living and opportunities to develop skills and techniques. (Six weeks).

423. HOUSING. (3-0) *Credit 3*. II. Housing standards and conditions; home ownership, financing, house design from consumers point of view; government housing. Prerequisite: House Planning and Furnishing.

443. STUDIES IN HOME MANAGEMENT. (3-0) *Credit 3*. II. Managerial problems, review of management studies; research reports; procedures in evaluating management.

463. HOUSE. (3-0) *Credit 3*. I. (Same as Foods 343 and Horticulture 343 taught in School of Agriculture.) Equipment, recipes and directions for home food preservation.

## DIVISION OF NURSING EDUCATION

The Division of Nursing Education offers two curricula: one, over a period of three years, leading to a Diploma in Nursing; and the other, over a period of five years, leading to the degree of Bachelor of Science in Nursing. Upon completion of either curriculum, the nurse is eligible to take the Nurses' State Board Examination.

Students with highest scholastic rating in their respective high schools and students with one or more years of college credit are given preference among applicants for admission to the Division of Nursing Education. (Applicants must send two transcripts—one of the College Registrar and one for Nursing Education records.)

### NECESSARY ARTICLES

Applicants are required to bring the following articles: four sheets, three pillow cases, one pillow, sufficient bed covers, umbrella, raincoat, overshoes, white oxfords with low rubber heels, two spreads, four face towels, four bath towels, a work box containing instruments for mending, an inexpensive watch with a second hand, and an inexpensive clinical thermometer.

### HEALTH

All students of Nursing Education, when ill receive the professional services of the hospital physicians. However, time above two weeks lost through illness or any other cause must be made up.

### VACATION

A vacation of three weeks is given each year during the summer.

### SPECIAL REQUIREMENTS

In addition to the completion of an acceptable 4-year high school course of study the following special requirements must be met by those who desire to enter the Division of Nursing Education.

1. Applicants must be 17 years old upon entrance to the division and under 30.
2. Applicants must have a thorough pre-entrance physical examination as evidence of physical fitness.
3. Applicants will be required to take a pre-nursing and guidance test given by the National League of Nursing Education, for which a fee of \$5.00 is paid.

Prairie View A. & M. College School of Nursing, affiliated with Jefferson Davis Hospital School of Nursing, Houston, Texas, and John Sealy Hospital School of Nursing, Medical Branch University of Texas, Galveston, Texas.

## THREE-YEAR CURRICULUM

## FIRST YEAR—FIRST SEMESTER

Course No.	Title	Clock Hrs.	Lec.	Lab.	Sem. Hrs. Cr.
English 113	Grammar and Composition	54	3	0	3
Education 103	Orientation	54	3	0	3
Nursing Ed. 153	Anatomy and Physiology	54	3	0	3
Nursing Ed. 114	Chemistry for Nurses	108	2	4	4
Nursing Ed. 116	Introduction to Nursing Arts	144	2	6	4
Nursing Ed. 132	History of Nursing and Professional Ethics	54	3	0	3
Physical Ed. 111	Gymnastics	36	0	2	1

## SECOND SEMESTER

Nursing Ed. 143	Foods, Nutrition and Diet Therapy	54	3	0	3
English 123	Composition (Communication)	54	3	0	3
Nursing Ed. 163	Anatomy and Physiology	54	3	0	3
Nursing Ed. 140	Clinical Practice	426	0	30	0
Nursing Ed. 126	Advanced Nursing Arts	144	2	6	4
Nursing Ed. 124	Microbiology and Pathology	108	2	3	4
Nursing Ed. 182	Pharmacology and Therapeutics	36	0	2	2
Physical Ed. 121	Games and Gymnastics	36	0	2	1

## FIRST YEAR—SUMMER SEMESTER—SIXTEEN WEEKS

Nursing Ed. 103	Sociology for Nurses	54	3	0	3
Nursing Ed. 374	Medical and Surgical Nursing	54			

## SECOND YEAR

Spent at Jefferson Davis Hospital, Houston, Texas

## SECOND YEAR—FIRST SEMESTER

	Groups I and II	Clock Hrs.	Lec.	Lab.
Medical and Surgical Nursing II		163	9	0
	Groups III and IV			
Operating Room Technique		15	1	0
Medical Nursing (Group III)		82	4 1-2	0
Psychiatric Nursing (Group III)		54	3	0
Obstetrics (Group IV)		36	2	0

## SECOND YEAR—SECOND SEMESTER

	Groups I and II			
Operating Room Technique		15	1	0
	Groups III and IV			
Obstetrics (Group III)		36	2	0
Medical Nursing (Group IV)		82	4 1-2	0

## SUMMER SESSION

	Groups I			
Obstetrics (Group I)		36	2	0
	Groups III and IV			
Pediatrics (Group III)		60	3 1-2	0
Surgical Nursing (Group IV)		81	4 1-2	0
	Group II			
Medical Nursing		82	4 1-2	0

## THIRD YEAR—FIRST SEMESTER

	Groups I and II			
Pediatrics		60	3 1-2	0
Obstetrics (Group II)		60	2	0
Public Health Nursing		36	2	0
Psychiatric Nursing		54	3	0
Professional Adjustments II		36	2	0
	Groups III and IV			
Surgical Nursing (Group III)		81	4 1-2	0
Public Health Nursing		36	2	0
Psychiatric Nursing (Group IV)		54	3	0
Professional Adjustments II		36	2	0

## THIRD YEAR

Six months spent at Jefferson Davis Hospital in Houston, Texas, three months spent at John Sealy Hospital in Galveston, Texas, and three months spent at Prairie View Hospital.

## Six Months at Jefferson Davis Hospital

Public Health Nursing	36
Professional Adjustment II	36
Three Months Spent at John Sealy Hospital	
Psychiatric Nursing	54
Three Months Spent at Prairie View Hospital	
Electives in Area of Specialization	
Ward Management	
Communicable Diseases	
Out Patient Department, Etc.	

These electives are to be worked out in consultation with the Educational Director of Jefferson Davis Hospital, John Sealy Hospital, and the Superintendent of Nurses at Prairie View Hospital.

## DEGREE CURRICULUM

## FIVE-YEAR COURSE\*

## FOURTH YEAR

## FIRST SEMESTER

Course No.	Title	Hrs. Clock	Lec.	Lab.	Sem. Cr. Hrs.
English 213	Public Address	54	3	0	3
Mathematics 173	Math. Analysis	54	3	0	3
Education 113	Introduction to Education	54	3	0	3
Sociology 213	Introductory to Sociology	54	3	0	3
Biology 354	Histological Technique	108	2	4	4
Pol. Science 263	National Government	54	3	0	3
Nursing Ed. 412	Clinical Practice—Ward Supervision	216	0	12	0

## SECOND SEMESTER

Sociology 333	Social Psychology	54	3	0	3
Pol. Science 203	State Government	54	3	0	3
Mathematics 183	Applied Math. Analysis	54	3	0	3
Economics 203	Survey of Consumer Economics	54	3	0	3
English 213	World Literature	54	3	0	3
History 463	Negro History	54	3	0	3
Nursing Ed. 412	Clinical Practice—Ward Supervision	216	0	12	0

## FIFTH YEAR

Phil. 303	Philosophies of Life	54	3	0	3
Foods 413	Advanced Nutrition	90	1	4	3
Education 333	Methods of Teaching H. S. Subjects	54	3	0	3
Education 313	Principles of Secondary Education	54	3	0	3
Sociology 413	Social Welfare Work	72	2	2	3
Nursing Ed. 418	Clinical Practice—Hospital Management	324	0	18	0

## SECOND SEMESTER

Education 353	Adolescent Psychology or	54	3	0	3
Education 383	Educational Psychology	54	3	0	3
Education 443	Tests and Measurements	54	3	0	3
Education 406	Practice Teaching in H. S.	216	1	10	6
Education 433	Science and Art of Teaching	54	3	0	3

\* May be taken second semester of second year or first semester of third year.

\* (Students should complete the three year course for the nursing diploma and certificate from the State Board of Nurse Examiners before commencing work on the degree curriculum.)

## DESCRIPTION OF COURSES

## NURSING EDUCATION

112. PRE-CLINICAL NURSING PRACTICE. (0-12) *No semester hours credit.* 216 hours. I. Supervised practice for the beginning nurse in the application of nursing principles and methods of care for patients in the hospital.

116. INTRODUCTION TO NURSING ARTS. (2-4) *Credit 4.* 144 hours. I. Principles of nursing with emphasis upon her attitude towards the patient, the existing social relationships, the physical requirements for the proper care of patients and the procedures found most helpful for the promotion of health.

122. PRE-CLINICAL NURSING PRACTICE. (0-13) *No semester hours credit.* 234 hours. II. Continuation of Nursing Education 112.

418. CLINICAL PRACTICE—HOSPITAL MANAGEMENT. (0-18) *No semester hours credit.* Practice in hospital management and supervision of nurses. Conferences and consultations with the Superintendent of Nurses and Superintendent of hospital.

## PSYCHOLOGY FOR NURSING EDUCATION

103. ELEMENTARY PSYCHOLOGY AND ABNORMAL BEHAVIOR. (3-0) *3 semester hours credit.* 54 hours. Human behavior and the underlying principles of mental adjustments, habit formation, deviations in behavior of adults and children due to organic and sociological factors, and the nursing care necessary in assisting patients in making more adequate adjustments during illness. A study of the student's own personality; scientific basis by which student can get better understanding of behavior of herself and her co-workers and patients. Lectures and recitations.

## GENERAL CHEMISTRY FOR NURSING EDUCATION

104. GENERAL INORGANIC CHEMISTRY FOR NURSES. (2-4) Fundamental principles of inorganic and physiological chemistry with special application to nursing practice. Studies in the general composition of the blood, urine, digestion and utilization of foods are included. Lectures, demonstration, laboratory.

## ENGLISH

113 and 123. GRAMMAR AND COMPOSITION, ORAL AND WRITTEN COMMUNICATION. *Credit 3 hours each semester.* 108 hours. Note: These courses are offered by the English Department and required by all students of the College. See English Department for course description.

## SOCIOLOGY

103. SOCIOLOGY FOR NURSES. (3-0) *Credit 3.* A concrete treatment of sociological facts and principles which will give a social setting for the profession of Nursing.

## CORRESPONDENCE DEPARTMENT

The courses indicated below are available through correspondence. The same admission requirements that are listed for residence work apply to correspondence enrollments. Specific instructions regarding correspondence courses not contained herein will be given on request.

### CORRESPONDENCE COURSE FEES

2 semester hours .....	\$15.00
3 semester hours .....	22.00
4 semester hours .....	29.00

NOTE.—The textbooks named below may be changed from time to time, and the student should wait until he receives lesson assignments before ordering books.

### BUSINESS ADMINISTRATION

253. ACCOUNTING. *Credit 4.* Basic accounting principles and practices. Textbook: Husband and Schlatetr's *Introductory Accounting* (Pitman Publishing Company, New York, \$5.00). Prerequisite: Sophomore standing.

263. ACCOUNTING. *Credit 4.* Continuation of 253. Prerequisite: BA 253.

463. BUSINESS LAW. *Credit 3.* Fundamental principles of law most frequently involved in business transactions. Prerequisite: Nine hours of Economics.

### ECONOMICS

213. PRINCIPLES OF ECONOMICS. *Credit 3.* Survey of the field of economics, dealing with basic economic principles and practices.

### EDUCATION

283. INTRODUCTION TO EDUCATIONAL PSYCHOLOGY. *Credit 3.* Topics in educational psychology relating to an understanding of the learning process and the conduct of children. Textbooks: Douglas and Holland's *Fundamentals of Educational Psychology* (The Macmillan Company, New York and Dallas, 1938, \$4.50); Mursell's *Educational Psychology* (W. W. Norton and Company, New York, 1939, \$3.50).

113. INTRODUCTION TO EDUCATION. *Credit 3.* Prerequisite to other courses in education, professional problems of education. Textbooks: Reeder's *A First Course in Education*, Revised Edition, 1950 (The Macmillan Company, New York and Dallas \$4.50); and Russell and Judd's *The American Educational System* (Houghton Mifflin Company, New York and Dallas, \$3.50)

343. CHILD PSYCHOLOGY. *Credit 3.* The child from prenatal period to the beginning of adolescent; major problems in child development. Textbooks: Goodenough's *Developmental Psychology* (D. Appleton-Century Company, New York \$4.50); Conklin's *Principles of Adolescent Psy-*

chology (Henry Holt and Company, New York, \$3.50); *Baker's Introduction to Exceptional Children* (The Macmillan Company, New York and Dallas, \$4.50). Prerequisite: Education 103 and 113 and sophomore standing; for home economics students HE 113 Orientation and Education 113 and sophomore standing.

383. EDUCATIONAL PSYCHOLOGY. *Credit 3*. Educationally significant factors involved in the interaction of pupils, teachers, administrators and community. Textbooks: Douglas and Holland's *Fundamentals of Educational Psychology* (The Macmillan Company, New York and Dallas, 1938, \$4.50); Goodenough's *Developmental Psychology* (D. Appleton-Century Company, New York 1934, \$4.50); Carroll's *Mental Hygiene* (Prentice-Hall, Inc., New York, \$3.75). Prerequisite: Sophomore standing.

523. CHILDREN'S LITERATURE. *Credit 3*. Development, types, classification and teaching of literature in elementary grades; examination and analysis of children's books and story-telling. Prerequisite: Education 314 and 317; junior standing.

#### ADMINISTRATION AND SUPERVISION

563. GUIDANCE OF THE PRE-SCHOOL CHILD. *Credit 3*. Preparation for work with pre-school children either in the home or in child service centers; guidance of mental, social and emotional development. Textbooks: Jersild's *Child Psychology*, Revised Edition (Prentice-Hall, New York, \$3.75); Wolf's *Parent's Manual* (Simon and Schuster, New York, \$2.75); Alschuler's *Two to Six*, Revised Edition (William Murrow and Company, New York, \$2.50). Prerequisite: Sophomore standing.

573. ORGANIZATION AND ADMINISTRATION OF THE JUNIOR HIGH SCHOOL. *Credit 3*. The origin, development, and forms of organization and administration of the junior high school. 15 lessons (readings, the solution of administrative problems, and original theme, and an examination). Textbooks: Smith, Stanley and Hughes' *Junior High School Education* (McGraw-Hill Book Company, New York, \$3.50); Gruhn and Douglass' *The Modern Junior High School* Roland Press, New York, \$4.75). Prerequisite: Education 313 and 343.

#### ENGLISH

113. GRAMMAR AND COMPOSITION. *Credit 3*. Intensive review of functional grammar; practice in principles of written composition. Textbooks: Thomas, Manchester and Scott's *Composition for College Students*, Fifth Edition, 1948 (The Macmillan Company, New York and Dallas, \$3.75); Loomis and Clark's *Modern English Readings*, Fourth Edition, 1942 (Farrar and Rinehart, New York, \$3.75). Wolley and Scott's *College Handbook of Composition*, Fourth Edition (D. C. Heath and Company, Boston and Dallas, \$2.00).

123. READING AND COMPOSITION. *Credit 3*. Continuation of 113; written work based on provocative readings and periodical literature. Textbooks: Thomas, Manchester and Scott's *Composition for College Students*, Fifth Edition, 1948 (The Macmillan Company, New York and Dallas, \$3.75); Loomis and Clark's *Modern English Readings*, Fourth Edition, 1942 (Farrar and Rinehart, New York, \$3.75); Schweikert's *Short Stories*, Enlarged Edition, 1934 (Harcourt, Brace and Company, New York, \$1.40).



343. ENGLISH COMPOSITIONS EXPOSITORY WRITING. *Credit 3.* Rhetorical principles; analysis of certain masterpieces of English Prose; writing of a number of essays; stress on written work. Textbooks: *Form and Style* by Clark and others (F. S. Crofts and Company, New York, \$1.75); Kern and Greggs' *This America* (The Macmillan Company, New York and Dallas, \$3.50). Prerequisite: English 113 and 123 with an average grade of at least "C."

543. THE SHORT STORY. *Credit 3.* Short Story writing using contemporary models. Textbooks: Frederick's *A Handbook of Short Story Writing*, Revised Edition (F. S. Crofts and Company, New York, \$1.40); Blogett's *The Story Survey* (J. B. Lippincott Company, Philadelphia, \$3.50). May count as Journalism. Prerequisite: A grade of "A" or "B" in six hours of sophomore English.

## FRENCH

213. READING AND GRAMMAR REVIEW. *Credit 3.* French conversation, idioms and verb drill; reading material; simple principles of French grammar and syntax; outside reading required. Textbooks will be selected from following: Fraser and Squir's *New Complete French Grammar*, 1921 Edition (D. C. Heath and Company, Boston and Dallas, \$2.70); Haleny's *l'Abbe Constantin* (American Book Company, New York, \$1.00); Labiche and Martin's *Le Voyage de Monsieur Perrichon*, 1926 (Lafayette Series, Edited by Zeek, Johnson Publishing Company, Dallas and Chicago, \$1.00).

223. READING AND GRAMMAR REVIEW. *Credit 3.* A continuation of French 213. Textbooks will be selected from the following: Fraser and Squair's *New Complete French Grammar*, 1921 Edition (D. C. Heath and Company, Boston and Dallas, \$2.75); Lesage's *Gil Blas* (American Book Company, New York, \$1.00); Smith-Posgate's *French Short Stories* (The Macmillan Company, New York and Dallas, \$1.60).

133. READING FOR SCIENCE MAJORS. *Credit 3.* Mimeographed material furnished by instructor. Recommended material: A French-English dictionary (De Vries for general science; Patterson for chemistry; Oxford, Heath or Funk and Wagnalls for general use); a grammar or verb wheel for learning the verbs. Prerequisite: French 113 and 123. Textbook: Dabney's *French for Science and Technical Majors*, (University Cooperative Society, Austin, \$1.50). Aveline's *Victure 7, Place 15* (Henry Holt and Co., New York, \$1.90).

## GEOGRAPHY

213. INTRODUCTION TO GEOGRAPHY; PHYSICAL ELEMENTS I. *Credit 3.* Major elements of physical geography; elements of weather and climate, climatic types and their distribution, landforms, earth resources, etc. Textbooks: Finch and Trewartha's *Physical Elements of Geography*, McGraw-Hill Book Co., Third Edition, 1949 (:5.50); Goode's *School Atlas*, 1949, (Rand McNally and Company, Chicago, \$5.00). Recommended for all students who plan to concentrate in physical geography.

313. GEOGRAPHY OF THE U.S.S.R. AND ITS EUROPEAN BORDERLANDS. *Credit 3.* Physical and economic setup of the U.S.S.R. and an area including all countries of the Stettin-Trieste line; Study of Soviet resources and their development; causes of the distribution of industrial activities and significance of the resulting production. Textbooks: Gregory and Shave's *The U.S.S.R.*, John Wiley and Sons, 1946 \$5.00; S. van Valkenburg, *Europe*, John Wiley and Sons, 1936 \$6.00; Denoyer-Geppert's *Soviets*

*Russia in Maps* \$1.00. Maps of the Union of Socialist Republics, December 1944 (National Geographic Society, Washington, D. C., \$.50). Prerequisite: Twelve hours in the following subjects, including at least six hours of sophomore courses: Anthropology, business administration, economics, geology, government, history.

223. POLITICAL GEOGRAPHY. *Credit 3*. Geographic-political problems, resources and peoples of various nations; empires of the world as a background for a better understanding of current events. Textbooks: Percy and Fifield's *World Political Geography*, T. Y. Crowell, 1949, \$6.50 and *Goodes School Atlas* \$5.00. Prerequisite: Eighteen hours in the following subjects, including six hours of advanced courses; anthropology, business administration, economics, geography, geology, government, history.

## GOVERNMENT

1X3. STATE AND NATIONAL GOVERNMENT *Credit 3*. The American system of government; the federal system and the relationship of the states to the national government, special references to Texas. Required by law in the state of Texas for graduation and teacher certification; a prerequisite for other courses in Political Science. Textbooks: Ogg and Ray's *Introduction to American Government*, Ninth Edition, 1948 (D. Appleton-Century Company, New York, \$5.00); Patterson, McAlister and Hester's *State and Local Government in Texas* (The Macmillan Company, New York and Dallas, \$3.75). Prerequisite: This course is available to all applicants who can meet the entrance requirements and furnish a college transcript showing successful completion of 45 semester hours in an approved college.

433. AMERICAN FOREIGN RELATIONS. *Credit 3*. American relations with Latin-America and the rest of the world; public opinion, economic, social and political forces that have determined American foreign policy. Prerequisites: History 213, 223 and any courses in Political Science. May be taken as History 633 or 643. Textbooks: Bemis' *The Latin American Policy of the United States*, 1943 (Harcourt, Brace and Company, New York, \$5.50); Stuart's *Latin America and the United States*, Fourth Edition, 1943 (D. Appleton-Century Company, New York, \$4.50).

443. FOREIGN POLICIES OF THE UNITED STATES. *Credit 3*. Origins and application of the most prominent policies of the United States, in its relations to other countries; regional policies of the United States, economic diplomacy, and policies of peace and world organization. Prerequisite: State and National Government 1X3. Textbook: Bemis' *A Diplomatic History of the United States*, Third Edition, 1950 (Henry Holt and Company, New York, \$5.75).

## HISTORY

103. MEDIEVAL EUROPE. *Credit 3*. Europe from the fall of Rome to 1500. Textbooks: Ault's *Europe in the Middle Ages*, Revised Edition, 1932 (D. C. Heath and Company, Boston and Dallas, \$5.75); Sellery and Krey's *Medieval Foundations of Western Civilization*, 1929 (Harper and Brothers, New York, \$3.75); Boak, Hyma, and Slossan's *The Growth of European Civilization*, Volume 1, 1938 (F. S. Crofts, New York, \$3.50); and Robinson's *Reading in European History*, Volume I, 1906 (Ginn and Company, New York and Dallas, \$3.50).

133. EUROPE 1500-1914. *Credit 3.* Europe from the Protestant Reformation to World War I. Textbooks: Riker's *A Short History of Modern Europe*, 1935 (The Macmillan Company, New York and Dallas \$4.00); Boak, Hyma and Slossan's *The Growth of European Civilization*, Volume II, 1938 (F. S. Crofts, New York, \$350); Packard's *The Age of Louis XIV*, 1929 (Henry Holt and Company, New York, \$1.40); and Robinson's *Readings in European History*, Volume II, 1906 (Ginn and Company, New York and Dallas, \$4.50).

213. THE UNITED STATES, 1492-1865. *Credit 3.* American development from the period of discovery to the Civil War. Textbook: Chitwood and Owsley's *A Short History of the American People*, Volume I (D. Van Nostrand Company, New York, \$5.00). Prerequisite: Sophomore standing.

223. THE UNITED STATES, 1837-1898. *Credit 3.* Survey period of Bourgeois revolution and rise of group democracy in America. Textbook: Owsley, Chitwood, and Nixon's *A Short History of the American People*, Volume II (1866-1947) (D. Van Nostrand Company, New York, \$5.00). Prerequisite: Sophomore standing.

303. ENGLAND, 1485 TO PRESENT. *Credit 3.* Modern Britain from the Tudors to the Labor Government. Textbooks: Lunt's *History of England*, Third Edition (Harper and Brothers, New York, \$4.50); Cheyney's *Social and Industrial History of England* (The Macmillan Company, New York and Dallas, \$3.00).

#### MATHEMATICS

133. SOLID GEOMETRY. *Credit 2.* Sound ideas as to the nature of a geometrical proof; foundations upon which the science rests; original problems and numerical examples. Five lessons. Textbook: Welchons Krickenberger's *Solid Geometry*, Revised Edition (Ginn and Company, New York and Dallas, \$2.50.).

113. COLLEGE ALGEBRA. *Credit 3.* Selected topics from standard algebra. Textbook: Rider's *College Algebra* (The Macmillan Company, New York and Dallas, \$3.40).

123. TRIGONOMETRY. *Credit 3.* Standard selections from plane trigonometry. Textbook: Palmer and Leigh's *Plane and Spherical Trigonometry*, Fourth Edition, with tables (MacGraw-Hill Book Company, New York, \$3.00). Prerequisite: Two years of high school mathematics.

213. ANALYTICAL GEOMETRY. *Credit 2.* The point, the straight line, and the conic section. Textbook: Smith, Gale and Needley's *New Analytic Geometry* (Ginn and Company, New York and Dallas, \$3.20). Prerequisite: Trigonometry.

223. DIFFERENTIAL CALCULUS. *Credit 3.* The differentiation of algebraic and transcendental functions with applications. Textbook: Granville, Smith and Longley's *Differential and Integral Calculus*, Revised Edition, 1934 (Ginn and Company, New York and Dallas, \$4.50).

313. INTEGRAL CALCULUS. *Credit 3.* Evaluating ordinary integrals and their application to practical problems. Textbook: Same as for Mathematics 223.

423. DIFFERENTIAL EQUATIONS. *Credit 3.* Ordinary differential equations and their application.

## PHILOSOPHY

303. PHILOSOPHIES OF LIFE. *Credit 3.* For beginning philosophy students; methods and theories of philosophy. Textbook: Titus' *Living Issues in Philosophy* (American Book Company, New York, \$3.85). Prerequisite: Sophomore standing.

323. ETHICS. *Credit 3.* Development of morals, standards of value, conscience and methods of social control. Textbooks: Drake's *Problems of Conduct*, Revised Edition (Houghton Mifflin Company, Boston, \$3.60); Wheelwright's *A Critical Introduction to Ethics* (Doubleday, Doran and Company, New York, \$3.50). Prerequisite: Sophomore standing.

## PHYSICAL EDUCATION

243. METHODS AND MATERIALS OF HEALTH EDUCATION. *Credit 3.* Meets State Department requirement for elementary teachers in health education; the school health program; the source of material in the field. Textbooks: *Health Instruction Guide for Elementary School Teachers*, Bureau of Nutrition and Health Education, Division of Extension, The University of Texas, 1932, free; Ruth Grout's *Handbook of Health Education*, 1948 (W. B. Saunders Company, Philadelphia \$4.00). Prerequisite: six semester hours in Education and Biology 114 or 354 or Physical Education 473.

## PHYSICS

214. GENERAL PHYSICS. *Credit 4.* Mechanics, heat, sound, electricity and light. The lecture portion of Physics 214 may be taken by correspondence in two separate correspondence courses, 214 and 224, comprising the first and second semester's work, respectively. The laboratory work will have to be done in residence, either during the Summer Session or the Long Session. Degree credit will be given only when both the laboratory and lecture work have been completed. Textbook: Spinney's *Textbook of Physics*, Fifth Edition (The Macmillan Company, New York and Dallas, \$4.50).

224. GENERAL PHYSICS. *Credit 4.* Continuation of Physics 214.

## PSYCHOLOGY

103. ELEMENTARY PSYCHOLOGY. *Credit 3.* Principles of human behavior and their application. Prerequisite: Sophomore standing.

## SOCIOLOGY

213. INTRODUCTION TO SOCIOLOGY. *Credit 3.* General phenomena of human society; fundamental social processes and social problems. Textbook: Dawson and Getty's *Introduction to Sociology*, 1948 (The Ronald Press, New York, \$5.00). Prerequisite: Sophomore standing.

## SPANISH

113. ELEMENTARY SPANISH. *Credit 3.* Principles of pronunciation and grammatical construction; principles previously learned; reproduction of materials from dictation. Textbooks: Barlow's *Basic Spanish* (F. S. Crofts and Company, New York, \$2.15); Pittaro and Green's *Veinte Cuentos Divertidos* (D. C. Heath and Company, Boston and Dallas, \$1.50).

123. ELEMENTARY SPANISH. *Credit 3.* Continuation of Spanish 113. Prerequisite: Spanish 113.

213. ADVANCED GRAMMAR AND READING. *Credit 3.* Galland and Brenes-Mesen's *Spanish Grammar Review*; grammar review; idioms and idiomatic usage, conversation, memorization and practice in reading; reading and translation. Examination will include sight reading and translation. Prerequisite: Spanish 113 and 123. Textbooks: (The books for this course will cost about \$3.50).

223. ADVANCED GRAMMAR AND READING. *Credit 3.* Continuation of Spanish 213. (The additional books will cost about \$2.25). Prerequisite: Spanish 213.

## PRAIRIE VIEW A. & M. COLLEGE

### EXTRAMURAL SERVICES

#### Extension Schools

The College offers extension courses in centers in Texas where a sufficient number of persons, approved by the county and city superintendents, are interested enough in one or more subjects to merit making such arrangement possible. The time devoted to each course in 36 clock hours per quarter and the schools usually run two quarters. The classes are designed primarily to meet the needs of in-service teachers on the graduate and undergraduate levels, but this does not preclude enrollment of other qualified professional or non-professional persons. In-service full-time teachers are not permitted to carry more than two courses. No student may register for more than three courses. The entrance requirements are the same as those for the resident students. At present there are 25 extension schools in operation in Amarillo, Austin, Bastrop, Beaumont, Bellville, Brenham, Bryan, Corsicana, Cuero, Fort Worth, Galveston, Giddings, Gladewater, Gonzales, Greenville, Jasper, Mexia, Pilot Point, Port Arthur, San Antonio, Sherman-Bonham, Tyler, Texarkana, Van Vleck, and Wichita Falls.

### TEXAS EXTENDED

### SCHOOL AND COMMUNITY HEALTH

### EDUCATION PROGRAM

The Texas program for health improvement is designed to combine the efforts of five colleges and universities, which, in turn, would set up demonstration schools in their respective areas. These demonstration schools and communities under the leadership of each of these institutions were expected to point toward a functional health improvement program for the colleges and universities and public schools and communities throughout the state.

The State health program is sponsored by the State Department of Education under the direct supervision of the State Superintendent of



# ENROLLMENT

## REGULAR SESSION 1950-51

ABBREVIATIONS: Ag—Agriculture; A&S—Arts and Sciences; HE—Home Economics; MA—Mechanic Arts; NE—Nursing Education

SYMBOLS: 1—Freshmen; 2—Sophomores; 3—Junior; 4—Senior; Spec—Special; Uncl—Unclassified; Grad—Graduate Study; \*—Veteran; 1T—First Year Trade; 2T—Second Year Trade.

ATTENDANCE: (1) Indicates that student attended first semester only (2) Indicates that student attended second semester only.

Classification shown as of September 1950 for students first semester; as of February 1951 for students attending second semester only or both semesters.

Aaron, Melvin Lee; A&S-1	Galveston	Anderson, Willie G.; MA-4	Longview
Abner, Rudolph Q.; A&S-1	Baytown	Antwine, Clara B.; HE-4	Washington
Adams, Billie Jean; A&S-1	Fort Worth	Archie, Henrietta; A&S-4	Baytown
Adams, Carl Denny; Ag-1	Jasper	Armstrong, Damon; Ag-4	Waelder
Adams, Ceatrice; A&S-1	Port Lonora	Armstrong, Dorothy J.; A&S-1	Temple
Adams, Geneva; A&S-3	Jasper	Armstrong, Lemuel N.; Ag.-Grad	Waelder
Adams, Mildred M.; A&S-3	Jasper	Armstrong, Thelma; HE-4	Pittsburg
Adams, Moses James; MA-2	Wiemar	Arnic, Vera; A&S-4	Lockhart
Akers, Floyd; Ag-2	Sherman	Arnold, Catherine; A&S-1	Dallas
Albrown, Ernestine; A&S-2	Gray Burg	Arnold, M. C., Jr.; MA-1	Dallas
Alcorn, Benny; MA-3	Brenham	Arnwine, Rush H., Jr.; Ag-1	Rockdale
Alexander, Celester;		Arthur, Doris; 2T2	Prairie View
HE-4	Jacksonville	Ashford, Leonard; A&S-3	Port Arthur
Alexander, Ben; A&S-Grad	Corsicana	Austin, Mary B.; A&S-3	Eagle Lake
Alexander, Erthylene; A&S-2	El Campo	Austin, Mary P.; HE-3	Waco
Alexander, Eugene; A&S-4	Corpus Christi	Austin, Mozelle; HE-1	Daingerfield
Alexander, Johnnie M.; HE-2	Oakwood	Austin, Robbie Lee; A&S-2	Houston
Alexander, Paul H.; Ag-4	Waco	Averhart, Betty; A&S-1	Corsicana
Alexander, Rauletti; A&S-3	Cleburne	Ayers, Alvin M.; MA-4	Houston
Alexander, Roosevelt; A&S-1	Oakwood	Badgett, Emma Rose; A&S-1	Port Arthur
Alexander, Verda L.; A&S-4	Troup	Baines, Naye Dean; A&S-2	Cleveland
Alexander, Walter; Ag-4	Flynn	Baker, Billie J.; A&S-4	Bremond
Alfred, Minnie; A&S-4	Baytown	(1) Baker, Carole Jean; HE-1	Galveston
Alfred, Olevia; A&S-3	Baytown	(2) Baker, Ethel Bernice; A&S-1	Hearne
(2) Allen, Albert E.; A&S-1	Galveston	(2) Baker, Mattie Fern; A&S-1	Port Arthur
Allen, Alfred Arnold; MA-1	Tyler	Baker, Uzel; A&S-2	Hillsboro
Allen, Arthulene; A&S-1	Pittsburg	Baker, Jerdie Mae; HE-2	Wharton
Allen, Betty Jean; A&S-1	Carthage	Balke, Cleotha; A&S-3	Port Arthur
Allen, Daisy M.; A&S-2	Dallas	(2) Ballard, Pathrie M.; A&S-1	Timpson
Allen, Gloria M.; A&S-3	Port Arthur	Banks, Emma Lee; HE-1	Rockdale
Allen, Henry J. V.; A&S-1	San Angelo	Banks, Evelyn P.; A&S-2	Lufkin
Allen, Irma F.; A&S-3	Bay City	Banks, Fayetta; A&S-4	Beaumont
Allen, James C.; MA-1	Henderson	Banks, Gloria; A&S-4	Fort Worth
Allen, John Robert; Ag-1	Kilgore	Banks, Joseph; A&S-3	Bryan
Allen, John W.; MA-3	Key West, Florida	Barber, Curtis Paul; Ag-1	Daingerfield
Allen, Mary C.; A&S-1	Dallas	Barber, Imogene; A&S-2	Marietta
Allen, Ollie P.; A&S-2	Malakoff	Barber, Marlin I.; MA-1	Texarkana
Allen, Richard M.; MA-2	El Paso	Barber, Mildred L.; A&S-2	Nacogdoches
Allen, Robbie Jewel; A&S-2	Pittsburg	Barfield, Dorothy C.; A&S-1	Port Lavaca
(2) Allen, Willie Mae; A&S-1	Port Arthur	Barfield, Otis; Ag-1	West Point
Allison, Ivory; MA-1	Sandy Point	Barlow, Christene; A&S-1	Woodville
Allison, Lena M.; A&S-3	Port Arthur	(2) Barlow, Norman; Ag-3	Woodville
Allums, Lorene W.; HE-4	Houston	Barlow, Samuel; A&S-3	Beaumont
Amey, Joyce Marie; A&S-1	Rosenberg	Barlow, Woodrow; Ag-4	Woodville
Amos, Evelyn Louise; A&S-4	Houston	Barnes, Carnegie; A&S-2	Camden
Amos, E. P.; A&S-4	Kennard	(2) Barnes, Ida G. W.; HE-4	Conroe
Amos, Ida J.; MA-2	Galveston	Barnes, Samuel N.; MA-3	Rusk
Anderson, Annie L.; A&S-1	Prairie View	Barnett, George, Jr.; A&S-1	Call
(2) Anderson, Christine; A&S-1	Carthage	Barnett, Wallace E.; Ag-1	Luling
Anderson, Delores; A&S-1	Houston	Barrena, Clarence;	
Anderson, Doris; A&S-2	Ennis	A&S-4	Tulsa, Oklahoma
(2) Anderson, Emma; HE-4	Bastrop	Barrett, Annie P.; A&S-1	Crosby
Anderson, Jean C.; A&S-4	Cuero	Barrett, Clyde E.; Ag-1	Neches
Anderson, Johnnie L.; Ag-3	Port Worth	Barrett, Dorothea; A&S-4	Palestine
Anderson, Obie; A&S-4	Palestine	(2) Barrett, Geraldine; A&S-1	Palestine
Anderson, Patsy J.; A&S-1	Cameron	Barrett, Otrie; A&S-1	Galveston
Anderson, Samuel K.; Ag-4	Cameron	Barrett, Wheeler; MA-1	Longview

- Barry, Alice Jean; A&S-1 ..... Hallsville  
 Barryler, Thelma J.; A&S-2 ..... Longview  
 Basher, Irene; A&S-4 ..... Athens  
 Bass, Joseph; A&S-1 ..... Midland  
 Bass, Mable Lee; A&S-1 ..... Amarillo  
 Bates, Leonard A.; A&S-1 ..... Victoria  
 Batiste, George; MA-3 ..... Galveston  
 Batts, Alma Lucinda; HE-1 ..... Bremond  
 Battle, Willie Faye; NE-1 ..... Wichita Falls  
 Baugh, Laverne; HE-3 ..... West Columbia  
 Baugh, Vela C.; HE-4 ..... Houston  
 Beal, Lois Virginia; A&S-1 ..... Wichita Falls  
 Beall, Floyd A.; A&S-4 ..... Henderson  
 Beasley, Cora; A&S-1 ..... Edna  
 (2) Beasley, Murrell L.; 2T 1 ..... Gilmer  
 Beasley, Willie O.; A&S-3 ..... Gilmer  
 Beason, Cary Henry; MA-1 ..... Palestine  
 Beason, Lorenzo A.; A&S-1 ..... Palestine  
 (2) Beck, Kendall; Ag-1 ..... Buffalo  
 Beck, Pauline A.; A&S-2 ..... Houston  
 Bedford, Alice Ona; A&S-3 ..... Houston  
 Belford, Dorothy; A&S-2 ..... Robstown  
 Bell, Jessie E.; A&S-1 ..... Mt. Pleasant  
 Bell, Johnny B.; Ag-4 ..... Houston  
 Bell, Ruthie M.; A&S-4 ..... Overton  
 Bellinger, Dorothy; A&S-3 ..... San Antonio  
 Bellinger, Thomas L.; A&S-1 ..... Austin  
 Bennett, Frank R.; MA-4 ..... Groveton  
 (1) Bennett, Sidney E.; MA-4 ..... Camden  
 Benson, Harold E.; MA-2 ..... Fort Worth  
 Berry, Virginia R.; HE-1 ..... Mt. Pleasant  
 Beverly, Alclaire; A&S-2 ..... Dallas  
 Beverly, Harold; A&S-3 ..... Port Arthur  
 Biggs, Fennion L. E.; A&S-2 ..... Calvert  
 Bigsby, Ermondine; HE-3 ..... Brenham  
 Bigsby, Marjorie; HE-4 ..... Brenham  
 Bigsby, Norma L.; A&S-1 ..... Brenham  
 Bilton, Harry; Ag-1 ..... San Antonio  
 Bishop, Julia Lee; A&S-1 ..... Sugarland  
 Bizzle, Sadie Jean; HE-1 ..... Detroit  
 Black, Joe Thomas; Ag-3 ..... Grapeland  
 Black, Linnie D.; HE-3 ..... Houston  
 Black, Murdie Fay; HE-1 ..... Timpson  
 Black, Paynetta; A&S-2 ..... Grapeland  
 Black, Vernon R.; A&S-3 ..... Carthage  
 Blackburn, Robert, Jr.; Ag-1 ..... Arlington  
 Blakley, Billy Lee; A&S-2 ..... Teague  
 Blanton, Dorothy J.; A&S-1 ..... Fort Worth  
 Blocker, Naomi; A&S-3 ..... Hearne  
 Blocker, Vina E.; HE-4 ..... Hearne  
 Blunt, Florence C.; NE-1 ..... Houston  
 Boardingham, Paul E.; MA-3 ..... Texarkana  
 Bobb, Ruby Helen; A&S-2 ..... Port Arthur  
 Bolden, Willie; A&S-3 ..... Houston  
 (2) Bolen, Laureice; A&S-2 ..... Galveston  
 Bonner, Beulah; A&S-3 ..... Austin  
 Bonner, Carnell; A&S-2 ..... Atlanta  
 Bonner, Helen D.; A&S-3 ..... Somerville  
 Bonner, Henry A.; Ag-1 ..... Pampa  
 Bonner, Napha; A&S-3 ..... Dallas  
 Bonner, Nathaniel; MA-1 ..... Freeport  
 Booker, Andrew; Ag-3 ..... Huntsville  
 Booker, Herman; Ag-2 ..... Huntsville  
 Booker, Willie, J.; A&S-Grad ..... Huntsville  
 (2) Boone, Jacqueline L.; A&S-1 ..... Van Vleck  
 (2) Boone, James Binford; A&S-1 ..... Lufkin  
 Booth, Billie; HE-3 ..... Henderson  
 Boothe, Uzetta; A&S-2 ..... Center  
 Booty, Erlene; A&S-3 ..... Beckville  
 Boozer, Clarence; Ag-4 ..... Centerville  
 Boozer, Floyd; Ag-Grad ..... Centerville  
 Boozer, Irene; A&S-Grad ..... Corsicana  
 (2) Boson, A. C.; Ag-2 ..... Hempstead  
 (1) Boson, Bernice B.; HE-1 ..... Hempstead  
 Boson, Olevia; A&S-3 ..... Hempstead  
 (2) Bostic, Dorothy; A&S-2 ..... Houston  
 Boston, Johnnie, Ag-4 ..... Crockett  
 Boston, Lucille; A&S-1 ..... Houston  
 Bouchum, Myrtle Opal; HE-1 ..... Longview  
 Boulware, Hugh Etta; A&S-Grad ..... Prairie View  
 Bowen, Jessie Mae; A&S-4 ..... Dallas  
 (2) Bowers, Cornelia A.; A&S-2 ..... Dallas  
 Bowers, Evelyn; A&S-3 ..... Dallas  
 Bowie, C. G.; A&S-2 ..... Big Sandy  
 Boyd, Earl L.; MA-2 ..... Hempstead  
 Boyd, Carrie Mae; A&S-1 ..... Fort Worth  
 Boyd, Frances, L.; A&S-2 ..... Wichita Falls  
 Boyd, James L.; A&S-1 ..... Dallas  
 Boyd, Wesley A.; A&S-1 ..... Fort Worth  
 Boykins, Edith; A&S-4 ..... Dallas  
 Bracy, Adolphus, MA-3 ..... San Angelo  
 Bracy, Ora Lee; NE-Spec. .... San Angelo  
 (2) Bradford, Alfred; 2T 2 ..... Lufkin  
 Bradford, Daisylyn; A&S-2 ..... Alto  
 Bradford, Waurine; A&S-4 ..... Austin  
 (2) Bradley, Dan Julius; A&S-2 ..... Cameron  
 Bradley, James A.; A&S-1 ..... Kansas City, Missouri  
 Bradley, James T.; MA-1 ..... Corpus Christi  
 Brady, Alberta B.; MA-3 ..... Lufkin  
 Brady, June Ethel; A&S-2 ..... San Antonio  
 Brailsford, Alfred; A&S-4 ..... Burkeville  
 Brailsford, Valree E.; AS&2 ..... Burkeville  
 Branch, Elizabeth; A&S-2 ..... Lockhart  
 Branch, Fay Thelma, A&S-1 ..... Port Arthur  
 Branch, June; A&S-3 ..... Port Arthur  
 Branch, Velma; A&S-4 ..... Houston  
 Brannon, Bessie F.; A&S-4 ..... Hughes Springs  
 Brannon, Grace L.; A&S-1 ..... Oklahoma City, Oklahoma  
 Brashear, Deloris A.; A&S-1 ..... Dallas  
 Bratcher, Edward; A&S-2 ..... Kerrville  
 Bratcher, Vivian; HE-3 ..... East Bernard  
 Breckenridge, Joe J.; A&S-1 ..... Jasper  
 Brewer, Maynard; A&S-3 ..... Teague  
 Brewer, Ramona; A&S-3 ..... Lufkin  
 Brewster, Gladys; A&S-3 ..... Lufkin  
 Brigham, Edethia; A&S-2 ..... Greenville  
 Briggs, Ervin; Ag-2 ..... San Jacinto  
 Brigman, Arnold A.; A&S-1 ..... Alto  
 Brigman, Yvonne; A&S-4 ..... Alto  
 Brisby, Will Andrew; 2T-1 ..... Coleman  
 Briscoe, Frankie; HE-3 ..... Delia  
 Britt, Fellie; A&S-1 ..... Kilgore  
 Britton, Charles; A&S-4 ..... Dallas  
 Britton, Lawrence; MA-3 ..... Austin  
 Britton, Maceo; A&S-4 ..... Trinity  
 Brooks, Abbie L.; A&S-4 ..... Mexia  
 Brooks, Altha; A&S-4 ..... Lyons  
 Brooks, Emory; A&S-2 ..... Shreveport, Louisiana  
 Brooks, Mae Ruth; A&S-3 ..... Odessa  
 Brooks, Mart A.; Ag-4 ..... Waco  
 Brooks, Mary Jean; A&S-1 ..... Pittsburg  
 Brooks, Ruby Jewell; HE-1 ..... Tyler  
 Brooks, Vivian; A&S-4 ..... Belton  
 Broussard, Burness; MA-1 ..... Port Arthur  
 (2) Broussard, Evelyn M.; HE-1 ..... Port Arthur  
 Brown, Adolphus; A&S-1 ..... Kilgore  
 Brown, Arthus Lovis; A&S-2 ..... Hillsboro  
 Brown, Benford; A&S-1 ..... James  
 Brown, Charles E.; A&S-3 ..... Lubbock  
 (2) Brown, Charles Etta; A&S-2 ..... Dallas  
 Brown, Charlie Mae; A&S-1 ..... Rosenberg  
 Brown, Clementine L.; A&S-Grad ..... Hempstead  
 Brown, Clever; 2T-2 ..... Kilgore  
 Brown, Connie M.; A&S-Grad ..... Brenham  
 Brown, Doris; A&S-4 ..... Cuero  
 Brown, Dorothy Mae; A&S-1 ..... Houston  
 Brown, Earl L.; A&S-3 ..... Nacogdoches  
 Brown, Edna; A&S-3 ..... Galveston  
 Brown, Effie; HE-3 ..... Elgin  
 Brown, Eloise; A&S-4 ..... Gladewater  
 Brown, Geneva; A&S-2 ..... Elgin  
 Brown, Irvin Mann; MA-1 ..... Bay City



Brown, J. C.; MA-1	Pittsburg	Carroll, Coakey E.; A&S-2	Bryan
Brown, Leiton; A&S-2	James	Carter, Annie M.; A&S-1	De Ridder, Louisiana
Brown, Leona; A&S-1	Port Arthur	Carter, John Boyd; A&S-3	Palestine
Brown, Margaret W.; A&S-1	Houston	Carter, Maudean; A&S-2	Fairfield
Brown, Mattie; A&S-2	Giddings	Carter, Maurice; A&S-Spec.	Prairie View
Brown, Othella M.; A&S-1	San Benito	Carter, Mayme L.; A&S-2	Ennis
Brown, Roy L.; Ag-4	El Maton	Carter, Ruby Nell; A&S-1	Dallas
Brown, Phillip M.; MA-1	San Antonio	Carter, Stonewall; MA-4	Fort Worth
Brown, Samuel; MA-3	Cameron	Carter, Warner Earl; MA-1	Fort Worth
Brown, Selma; A&S-2	Pittsburg	Cass, Willie Mae; HE-1	Hemphill
Brown, Virgil L.; MA-3	Kilgore	Castilow, Tommie L.; A&S-1	Bay City
Brown, Vivian A.; A&S-2	Fort Worth	Castle, Annie Mary; A&S-1	Bryan
Browning, Clemmie; A&S-3	Texarkana	Caviel, William B.; A&S-3	San Antonio
Browning, Johnnie; HE-4	Muldoon	Chambers, Gladys; A&S-3	Fort Worth
Bruce, Elmer; Ag-3	Texarkana	(2) Chambers, Lillie A.; A&S-3	Beaumont
Bruce, Geraldine I.; HE-1	Texarkana	Chandler, Billie; A&S-4	Brownwood
Bryant, Ammer Jane; A&S-3	Beaumont	Chandler, Timothy; MA-3	Midland
Bryant, Conice Jane; A&S-1	Gainesville	(1) Chaney, Helen Belle; A&S-4	Lake Charles, Louisiana
Bryant, Elbie C.; A&S-2	Dallas	Chaple, David; A&S-2	Carthage
Bryant, Frank, Jr.; A&S-3	San Antonio	Chatman, Leroy W.; A&S-Grad.	Dallas
Bryant, Joe E., Jr.; A&S-2	Beaumont	Chatman, Tom B.; A&S-1	Waco
Bryant, Marjoire J.; A&S-1	Fostoria	Charleston, Cube; 2T-2	Victoria
Bryant, Orlyvia; A&S-2	Longview	Cheatham, Lillie B.; A&S-3	San Marcos
Bryant, Willie Lee; MA-1	Terrell	Cheeseborough, Eulali; HE-4	Overton
Buchanan, Reuben; MA-2	Houston	Cherry, Forrest; A&S-1	Jasper
Buckley, Billie; A&S-3	Naples	Chew, Albert E.; A&S-Grad	Bremond
Buford, Ilda Fayellise; A&S-1	Naples	Childress, Helene; A&S-2	Fort Worth
Buford, Ima; A&S-3	Naples	Childress, Howard B.; A&S-1	Coleman
Buggs, Mary L.; A&S-2	Longview	Childress, Hubert; Ag-3	Coleman
Bunkley, Ruth M.; A&S-1	Denison	Childress, Louis; A&S-4	Fort Worth
Burleson, Lena Belle; NE-1	San Marcos	Choyce, Labase; A&S-1	Henderson
Burleson, Melvin; Ag-3	Houston	Christian, Willie; A&S-4	Hawkins
Burnett, Freddie Mae; NE-4	Wichita Falls	Christoff, Esther; A&S-2	Beaumont
Burnett, Hazel; A&S-4	Ladonia	Christopher, Claude; A&S-4	Jacksonville
Burnett, Ruby Lee; A&S-1	Ferris	Christopher, Evelyn; HE-3	Nacogdoches
Burns, Roscoe S.; A&S-1	Fort Worth	Clack, Mildred; HE-1	Gonzales
Burrell, Emmett L.; A&S-1	College Station	Clark, Harold M.; A&S-3	Dallas
Burrell, Juanita; A&S-2	Palestine	Clark, James L.; A&S-2	Houston
Burton, Audrey; A&S-4	Abilene	Clark, Marciean; HE-4	Jacksonville
Burton, James; A&S-4	Hawkins	Clark, Nina; A&S-4	Prairie View
Burton, Thomas; A&S-4	Hawkins	Clarke, Margie C.; A&S-1	Galveston
Burton, Van O'Neal; Ag-2	Easton	Clay, Earnest; A&S-3	Wichita Falls
Busby, Adam; MA-3	Teague	(2) Clay, Marion H.; A&S-2	Wichita Falls
Busby, Billie Jean; A&S-2	Teague	Clay, Willie Mae; A&S-4	Henderson
Busch, Henry L.; MA-3	Houston	Clayborn, Lemuel; Ag-3	Pollock
Butler, Gwendolyn M.; A&S-2	Denison	Clayborne, Dolores I.; A&S-3	McKinney
Butler, Odis Gene; A&S-1	Temple	Clayborne, Jimmie; HE-3	Kilgore
(2) Byrd, Elmer Kent; A&S-1	Fort Worth	Claye, Tressa; A&S-2	Texas City
Byrd, Euraline; HE-2	Temple	(2) Cleaver, Dorothy J.; HE-2	Prairie View
Byrd, James S.; Ag-3	Madisonville	Clemons, Willie Jr.; A&S-4	Victoria
Cain, Espanola; A&S-1	Conroe	Clifton, Harold; A&S-4	Beaumont
Cain, Melha J. D.; NE-1	Tyler	Clyde, Lula Mae; A&S-3	Dallas
Caine, Johnnie B.; MA-1	Waller	Cockrell, Marjorie; A&S-3	Houston
Caldwell, Azee; Ag-3	Yoakum	Cohen, Maurine; HE-1	La Marque
Caldwell, Byford, Jr.; Ag-1	Willis	Cokes, Nathaniel; A&S-2	Dallas
Caldwell, Herman; A&S-4	Texarkana	Cole, Daniel; Ag-3	Mexia
Caldwell, Rosemell; A&S-3	Neches	Cole, Maxine; A&S-1	San Angelo
Calhoun, Tom C.; A&S-2	Fort Worth	Cole, Robert; A&S-4	Dallas
Callahan, Robert; A&S-2	Texarkana	Cole, Velma; HE-3	Houston
Callies, Rutha Mae; A&S-1	Houston	Coleman, Allene; HE-3	Nacogdoches
Cameron, Mae F.; HE-4	Overton	Coleman, Edna; HE-3	Mt. Enterprise
Campbell, Dorothy; A&S-4	Grapeland	Coleman, Emma; A&S-Spec.	Hempstead
Campbell, Mary E.; HE-4	Tyler	Coleman, Eugenia; NE-1	Lake Charles, Louisiana
Canada, Dock; A&S-Grad.	Lufkin	Coleman, John M.; A&S-4	Corsicana
Canada, Labon; A&S-3	Brenham	Coleman, John Ronald; MA-1	Denison
Canada, Willie Roy; Ag-1	Teague	Coleman, Mae E.; A&S-4	Newton
Cannady, Clara M.; A&S-1	Roanoke	Coleman, Vernon; MA-4	Galveston
Cannon, Auburn; A&S-1	Big Sandy	Coleman, Willie; HE-4	Yatum
Cannon, Willie F.; A&S-4	Jacksonville	Coleman, Zelia S.; HE-Spec.	Prairie View
Canton, Janie; A&S-3	Geneva	Coley, Walter; A&S-4	Santa Anna
Canty, Booker T.; Ag-4	Hempstead	Collins, Clifton; Ag-4	Giddings
Carden, Hoover; Ag-1	Fairfield	Collins, Elmore C.; Ag-2	Cold Springs
Caraway, Gwendolyn; A&S-4	Tenaha	Collins, Joe Edward; A&S-1	Ballinger
Carr, Jackie; A&S-3	Houston	Collins, Helen; A&S-1	Ennis
Carr, Nadine; A&S-2	Oklahoma City, Okla.	Collins, Joie Mae; A&S-1	Conroe
Carreathers, Mell; A&S-3	Denison	Collins, Joyce; A&S-2	Coolidge
Carreathers, Tommie; A&S-1	Denison		
Carrier, Roy; A&S-4	Houston		
Carrington, Reginal; A&S-3	Dallas		

Collins, Maggie M.; A&S-2	San Angelo	Darden, Odessa; A&S-3	Chester
Collins, Samuel R.; MA-Spec.	Beaumont	Darkins, Annie; HE-4	Beaumont
Collins, Val; A&S-3	Coolidge	Darnell, La Vera; A&S-2	Forney
Colter, Grover; MA-4	Fort Worth	Davenport, Theresa; HE-3	Galveston
Columbus, Charles C.; A&S-2	Fort Worth	Daughtry, Sammie J.; A&S-1	Dallas
Conley, Herbert Ray; MA-1	Houston	David, Claude; Ag-4	Lufkin
Conner, Alvin; MA-4	Denison	Davis, Addie Mae; A&S-2	Cleveland
Conner, Bettye; A&S-1	Athens	Davis, Agney Jean; A&S-1	Beaumont
Conner, Billie; A&S-3	Itasca	Davis, Albert; Ag-3	Centerville
Connor, Doris Joan; A&S-1	Columbus	Davis, Augusta, Jr.; A&S-3	Wortham
Connor, Morris Lynn; Ag-1	Houston	Davis, Bettie Sue; A&S-2	Atlanta
Cook, Donald R.; A&S-3	San Antonio	Davis, Christine; HE-4	Plano
Cook, Rosa Bernice; A&S-1	Marlin	Davis, Clarence A.; 2T-2	Fort Worth
Cooper, Delores; A&S-2	Houston	Davis, Comoses; A&S-4	Kilgore
Cooper, Estelle; A&S-4	Benchley	Davis, Darius McLo?; MA-1	Centerville
Cooper, Willie D.; A&S-1	Bay City	Davis, Dora Lee; A&S-3	Bon Wier
Cornish, R. V.; MA-4	Hempstead	Davis, Ermon; A&S-3	Orange
Coruthers, John M.; MA-2	Prairie View	Davis, Floyd; Ag-4	Centerville
Coruthers, Rose M.; HE-4	Prairie View	Davis, Gertie; A&S-3	Dallas
Cotton, Betty Jean; A&S-1	Groesbeck	Davis, H. R.; MA-2	Bryan
Cotton, Clarence; Ag-4	Dallas	Davis, Helen; A&S-4	Wortham
Cotton, Dorothy Jean; HE-1	Gloomburg	Davis, Jake; A&S-2	Yoakum
Coursey, Burnett B.; A&S-1	Cleburne	Davis, James Edward; Ag-1	Liberty
Cox, Lorene; A&S-4	Corsicana	Davis, John L.; A&S-1	Richmond
Coy, Mary Louise; A&S-2	Chatfield	Davis, John A.; A&S-2	Dallas
Crawford, Freddie Lee; A&S-1	Galveston	Davis, John Thomas;	Dickinson
Cravens, Charles; MA-2	Tulsa, Oklahoma	Davis, Johnnie; A&S-4	La Grange
Crawford, Cart T.; Ag-4	Reklaw	Davis, Jonathan; Ag-1	Grapeland
Crawford, Fannie; A&S-2	Palestine	Davis, Lee J.; A&S-4	Dallas
Crawford, Jean Faye; A&S-2	Texarkana	Davis, Lillie Belle; A&S-1	Bryan
Crawford, Willie Ann; A&S-3	San Antonio	Davis, Lela; A&S-3	Houston
Crayton, Helen M.; A&S-2	Rockdale	Davis, Lillie Louise; HE-Grad	Rockdale
Crayton, J. C.; A&S-2	Hallsville	Davis, Lillie Mae; A&S-4	Hillsboro
Crayton, James D.; Ag-1	Rockdale	Davis, Mary Francis; A&S-1	Dallas
Crenshaw, Betty; MA-2	Austin	Davis, Milbrey; A&S-3	Houston
Crenshaw, Ernestine; A&S-2	Dale	Davis, Morris; A&S-3	Trinity
Crews, Leroy; A&S-1	Humble	Davis, Paul; A&S-3	Lufkin
Crockett, Charline; A&S-1	Wharton	Davis, Robert D.; Ag-4	Mineola
Crump, Curtis D.; A&S-1	Fayetteville	Davis, Rosalind; A&S-4	Lufkin
Crump, Herman; A&S-1	Round	Davis, Wendell; A&S-3	Bryan
Crutcher, Lullaby J.; A&S-2	Forney	Davis, Theodore R.; A&S-4	Yoakum
Cuerington, Aaron; Ag-4	Cameron	Daviss, Spencer; MA-1	Anderson
Cuerington, Iantha M.; NE-1	Cameron	Dawsey, Clara Marie; A&S-3	Giddings
Culberson, Arthur; Ag-4	Wortham	Dawson, Charlton; A&S-4	Wharton
Culberson, Artemesie; A&S-Grad	Wortham	Dawson, Erastus S.; A&S-1	Sweetwater
Cummings, Clara E.; HE-1	Galveston	Dawson, Henry; Ag-3	Waco
Cunningham, Dallis; A&S-3	Pittsburg	Dawson, Lillian; A&S-4	Wortham
Curl, Blandene; A&S-3	Huntsville	Dawson, Mavis; A&S-2	Austin
Curnell Josh, Jr.; Ag-3	Calvert	Day, Marcellus; 2T-1	Bryan
Curtis, Ira W.; Ag-1	Tomball	Dean, Don; Ag-2	Port Lavaca
Curtis, Lane; Ag-1	San Augustine	Dean, Fredrecia; A&S-3	Galveston
Curtis, James L.; A&S-Grad	Brooklyn, New York	Deas, Cassie Morrow; A&S-4	Prairie View
Curtis, Tommy; Ag-1	Hempstead	DeBose, A. C.; A&S-2	Navasota
Curvey, Dorothy Jean; A&S-1	Houston	DeBose, Gloria; A&S-2	Lufkin
Curvey, Maxine; A&S-2	Grapeland	DeBose, J. B.; A&S-Grad	Navasota
Dabney, Betty; A&S-2	Bryan	Dedmon, Glenn T.; A&S-1	Fort Worth
Dacus, Amanda; A&S-2	Jasper	DeJean, Audrey; A&S-4	Port Arthur
Dailey, James; MA-Spec.	Prairie View	Delema, Gracie; A&S-4	Houston
Daignerfield, Claude; Ag-1	Teague	Delley, Frank; MA-2	Hearne
Dancy, Peter C.; A&S-1	Baytown	Denman, Arthur Lee; A&S-1	Conroe
Dancy, Sidney Joseph; A&S-2	Baytown	Dennis, Mary E.; HE-1	Beaumont
Daniels, Antone, Jr.; A&S-1	Carthage	(1)Dennis, Harry; MA-1T	Hempstead
Daniels, Herbert; Ag-1	Marshall	Dennis, Mayme; A&S-3	Brenham
Daniels, Jiles P.; Ag-1	Kilgore	Dents, Elizabeth M.; A&S-2	Georgetown
Daniels, Jimmy E.; Ag-2	Kilgore	Deo, Edward; MA-4	Lubbock
Daniels, Kathryn M.; A&S-1	Baytown	Deo, Rosetta; A&S-1	Lubbock
Daniels, Kelly David; A&S-1	Beaumont	Derouen, Milton; A&S-2	Raywood
Daniels, Norman; Ag-3	Longview	Derouen, Thelma; A&S-2	Raywood
Daniels, Perry; A&S-2	Dallas	Devereaux, Georgia; A&S-2	Baytown
Daniels, Vernell; A&S-2	Vallijo	Dial, John L.; Ag-2	Sulphur Springs
Dansby, Demosthener; Ag-4	Tyler	Dickson, Orella; HE-4	Calisbad, New Mexico
Dansby, Jimmy Bruce; A&S-1	Kilgore	Dickson, Travis; A&S-2	Galveston
Dansby, Ruth H.; A&S-2	Tyler	Dickson, William; A&S-2	Waco
Darby, Adolphus; A&S-2	Tyler	Diggs, Marie; A&S-2	Calvert
Darby, Lucy Lois; A&S-1	Houston	Dillard, Leatha; HE-3	Brenham
Darden, Ernestine; A&S-3	Gilmer	Dillon, Ray Dohn; A&S-3	Galveston
Darden, Melvin Jelean; A&S-1	Galveston	Dimery, Ernestine L.; NE-2	Round Rock
		Dixon, Helen Louise; NE-1	Paris

Dixon, Margernell R.;	Emanuel, Pearl J.; HE-3	Groveton
HE-4	Emanuel, Viola Marie; HE-2	Groveton
..... Lake Charles, Louisiana	English, Bertran; A&S-2	Houston
Dobbins, Annette F.; A&S-1	English, Clark P.; A&S-4	Red River
..... La Grange	English, Jewellen S.; A&S-1	Marlin
Dobbins, Margarette; A&S-1	Engram, Betty; A&S-2	Lufkin
..... La Grange	Enoch, Willard; A&S-3	Cuero
Dobson, Charles; MA-1	Epperson, Fred; MA-4	Hearne
..... Denison	Ervin, Benny Lee; A&S-1	Sherman
(1)Donnell, Dorothy; A&S-2	Ervin, Von Ceil; A&S-1	Tyler
..... Jacksonville	Evans, Ada Marie; A&S-1	Floydada
Donnell, Lucy Lee; A&S-1	Evans, Eddie Bernice; A&S-1	Wortham
..... Streetman	Evans, Gladys Nadine; A&S-1	Galveston
Donley, Clifford; A&S-4	Evans, McCoy; Ag-4	Tyler
..... San Angelo	Evans, Ocie Lee; A&S-1	Dallas
Donley, Mildred; A&S-2	Everline, Roosevelt; MA-1	Houston
Dorn, Lonnie Mae; A&S-2	(1)Ewell, Jennelle; HE-4	Frankston
..... San Angelo	Ewing, Onie; A&S-1	Washington
Dorsey, Archie; Ag-4	Faine, Johnnie; HE-3	Athens
..... Hempstead	Faulkner, Theola G.; A&S-1	Dallas
Dorsey, Hayward; MA-2	Fears, Frank; MA-4	Groveton
..... Weimar	Fears, Shirley; A&S-3	Lufkin
Dorsey, Sandra Rupe; A&S-1	Felley, Maye Ella; A&S-2	Navasota
(2)Dotson, Evelyn R.; A&S-3	Jones, Annie Ferguson; A&S-4	Overton
..... Waco	Ferguson, Earline O.; A&S-1	Overton
Dotson, Gloria S.; A&S-1	Ferguson, Melvia J.; MA-1	Overton
..... Houston	Fields, Attrell O.; MA-2	Marshall
Doucette, Doris M.; A&S-1	Fields, Betty; A&S-2	Waskom
..... Baytown	Fields, Jesse; MA-2	West Columbia
Douglas, Dorothy L.; HE-1	Field, Maxine; A&S-4	Fort Worth
..... Gause	Field, Naaman; A&S-4	Marshall
Douglas, Perida;	Finley, Ruth; A&S-3	Temple
A&S-2	Fisher, Evelyn Irene; A&S-1	Navasota
..... Shreveport, Louisiana	Fisher, Josephine; A&S-2	Navasota
Douglas, Ruby Pauline; A&S-3	Flanagan, Claude; A&S-3	Henderson
Douglass, Ethyle Lucille; HE-1	Flanagan, Fred H.; A&S-1	Silsbee
..... Liberty	Fannel, Melvin L.; MA-1	Brazoria
Dow, Mittie; A&S-2	Fleeks, Edwardlene M.; A&S-1	Texarkana
..... Bivins	Fleming, Sallye; A&S-2	Calvert
Downey, William; A&S-1	Fleming, Leo; Ag-3	Omaha
..... Austin	Fleming, Leo; Ag-4	Omaha
Downing, Emzy; MA-3	Fletcher, Fred C.; A&S-1	Baytown
..... Hempstead	(1)Fletcher, Thelma; A&S-4	Bay City
Downing, Faye; HE-2	Flewellen, John W.; A&S-2	Tersel
..... Wichita Falls	Flowers, Annie Joe; A&S-2	Dallas
Downs, Gene Albert; A&S-2	(2-)Flowers, Bernard; A&S-1	Houston
..... Gilmer	Flowers, Elois R.; Ag-2	Clay
Drennan, Clifton; MA-2	Flowers, Herman, Jr.; A&S-1	Waxahachie
..... Dallas	Flowers, Tommy Lee; MA-4	Corsicana
Drennan, Kenneth; A&S-2	Flowers, Yvonne D.; A&S-2	Houston
..... Houston	Floyd, Charles; Ag-4	Pittsburg
Drenon, Hermoine; HE-2	Foley, Rosie; A&S-3	Dallas
..... Houston	Fontno, Leonard T.; A&S-4	Beaumont
Drisdale, Willie; A&S-1	Ford, General Hue; A&S-1	Ore City
..... West Point	Ford, Ida Jo; A&S-4	San Antonio
Dubose, Roy Marion; MA-4	Ford, Imogene; A&S-3	Fort Worth
..... Fort Worth	Ford, Ivory Daniel; A&S-1	Victoria
Duncan, Don Carl; A&S-3	Ford, James; A&S-2	College Station
..... Gilmer	Ford, Mary Alyce; A&S-2	Fort Worth
Duncan, Laurann; HE-2	Ford, Rolland; MA-4	El Paso
..... San Antonio	Foreman, Gertie Cora; NE-1	Beaumont
Dunham, Bettye; A&S-4	Foreman, Robert B.; A&S-Grad	Mexia
..... Livingston	Foreman, Wanda; HE-4	Beaumont
Dunlap, Rubie L. Y.; A&S-1	Fort, Nelva; A&S-2	Texarkana
..... Greenville	(1)Forte, Ulysses; Ag-4	Hooks
Dunn, Verner; Ag-1	Foster, Birdell; A&S-2	Hearne
..... Grovetown	Foster, Doris; A&S-2	Hearne
Dupont, Mary; HE-3	Foster, Evva Jean; A&S-1	Fort Worth
..... Richmond	Foster, Hazel Mae; NE-1	Hitchcock
Dupree, Alma; HE-3	Francis, Howard E.; A&S-1	Jacksonville
..... Fort Worth	Francis, Lucille J.; NE-1	Jacksonville
Dupree, Brady Melvin; Ag-1	Francis, Luther V.; MA-Grad	Paris
..... Hempstead	Frank, Ozni; A&S-4	Caldwell
Durden, Bobbie Gene; A&S-3	Franklin, Audrey; A&S-2	Dallas
..... Pampa	Franklin, Augustine; A&S-4	Port Arthur
Durham, Wanda Lou; A&S-2	Franklin, Clarence; A&S-Grad	Lufkin
..... Pampa	Franklin, Clyde; A&S-4	Corsicana
Durke, Rubye Jewell; A&S-3	Franklin, Hannah L.; A&S-3	Henderson
..... Henderson	Franklin, Ira; Ag-3	Montgomery
Dykes, Arthur; Ag-2	Franklin, Patsy Ruth; A&S-1	Livingston
..... Queen City		
Dynes, Massie; HE-2		
..... Houston		
Eagleton, Lois B.; A&S-1		
..... Crosby		
Earl, Willy Joseph; A&S-1		
..... Houston		
Earle, Betty Joyce; A&S-1		
..... Houston		
Easley, Richard; Ag-1		
..... Montgomery		
Easterling, Harry W.; A&S-1		
..... Denison		
Eaton, Arthur; A&S-4		
..... College Station		
Echols, Jack Wendell; A&S-Grad		
..... Mexia		
Edgington, Mattie L.; MA-3		
..... Mexia		
Edmondson, James L.; MA-2		
..... Sherman		
Edmond, Valrie K. S.; HE-3		
..... Dallas		
Edmond, Vernon; Ag-2		
..... Smithville		
Edmondson, Martha J.; A&S-1		
..... Denison		
Edwards, Annie; A&S-3		
..... Thompson		
Edwards, Connie D.; A&S-1		
..... Nacogdoches		
Edwards, Constance D.;		
A&S-1		
..... Nacogdoches		
Edwards, Elgie Ruth; A&S-1		
..... Pittsburg		
Edwards, Geraldine; A&S-4		
..... Overton		
Edwards, Marvin; MA-2		
..... Georgetown		
Edwards, Ruth; A&S-3		
..... San Antonio		
Edwards, Vernon; Ag-4		
..... Bremond		
Edwards, Willie M.; A&S-3		
..... Thompson		
Eldridge, Adonious; HE-2		
..... Brenham		
Eldredge, Dorothy; HE-2		
..... Brenham		
Elby, Floyd; A&S-2		
..... Moscow		
Elliott, Datie Mae; A&S-1		
..... Hillsboro		
Ellis, Claude; MA-4		
..... Port Arthur		
Ellis, Delia M.; 2T-Spec		
..... Prairie View		
Ellis, Haske; Ag-Grad		
..... Athens		
Ellis, Thelma Jean; NE-1		
..... Palestine		
Ellison, Dorothy; A&S-2		
..... Fort Worth		
Elmore, Herbert; A&S-1		
..... Coldsprings		
Elmore, Mertha; A&S-2		
..... Coldsprings		
Elston, Sylvia Maye; A&S-1		
..... Dallas		
Emanuel, Doris; A&S-2		
..... Dallas		
Emanuel, Gussie Lee; HE-1		
..... Oakwood		

- Franklin, Perry; Ag-4 ..... Brenham  
 Frazier, Annie Ruth; A&S-1 ..... Oklahoma City, Oklahoma  
 Frazier, David; Ag-4 ..... Woodville  
 Frazier, Dessor; NE-2 ..... Zavalla  
 Frazier, Dorsey Jean; A&S-Grad ..... Fairfield  
 Frazier, Jearline; A&S-1 ..... Call  
 Frazier, Melvin V.; MA-1 ..... Beaumont  
 Frazier, Naomia Jene; HE-1 ..... Doucette  
 Frederick, Austin; Ag-3 ..... Berclair  
 Freeman, Charles; MA-2 ..... Camden  
 Freeman, Dora; A&S-2 ..... Dallas  
 Freeman, Jimmie Leon; A&S-Grad ..... Palestine  
 Freeman, John R.; A&S-2 ..... Dallas  
 Freeman, Mable B.; A&S-1 ..... Lindale  
 Freeman, Mary L.; A&S-1 ..... Liberty  
 Freeman, Theodore; Ag-2 ..... Camden  
 Friday, Dorothy B.; A&S-1 ..... Seguin  
 Friday, Phaye E.; A&S-1 ..... Abilene  
 Friday, Eleanor; HE-2 ..... Prairie View  
 Fry, Mary Ethel; A&S-4 ..... Prairie View  
 Frye, Vivian; HE-2 ..... Greenville  
 Fryer, Lawrence W.; Ag-1 ..... Gonzales  
 Fucuals, Ozella M.; A&S-1 ..... Dallas  
 Fucuals, Walter; A&S-3 ..... Corpus Christi  
 Fulbright, Donald C.; A&S-1 ..... Paris  
 Fulbright, Eura; HE-Grad ..... Paris  
 Gabriel, Blanche; A&S-2 ..... Fairfield  
 Gabriel, Burnis; MA-2 ..... Fairfield  
 Gaines, Lorehta M.; A&S-1 ..... Mt. Pleasant  
 Gaines, Wayne Marcus; A&S-1 ..... Texarkana  
 Gamble, Doris; A&S-4 ..... Hearne  
 Gamble, Evelyn; HE-2 ..... Galveston  
 Gamble, Janie; HE-2 ..... Omaha  
 Gant, Ella; HE-2 ..... Lubbock  
 Garcia, James; Ag-2 ..... Belmont  
 Garcia, Loraine; A&S-1 ..... El Campo  
 Garcia, Marian; A&S-2 ..... Rosenberg  
 Gardner, Irene D.; A&S-2 ..... Malakoff  
 Gardner, Jesse; A&S-2 ..... Terrell  
 (1) Gardnes, Stella Mae; A&S-1 ..... San Antonio  
 (1) Garland, Chauncey L.; Ag-1 ..... DeKalb  
 Garland, William G.; A&S-1 ..... Texarkana  
 Garnett, Burl; A&S-2 ..... Bellville  
 Garner, Elijah; A&S-1 ..... Nacogdoches  
 Garner, Audrey Mae; HE-4 ..... Winona  
 Garner, Herman Louise; HE-1 ..... San Augustine  
 Garrett, Ada; HE-3 ..... Broaduss  
 Garrett, Alice O.; HE-1 ..... Malakoff  
 Garrett, Doretha L.; A&S-3 ..... Bonham  
 Garrett, Golda; A&S-1 ..... Nacogdoches  
 Garrett, Henderson; Ag-4 ..... Fairfield  
 Garrett, James W.; A&S-1 ..... Joaquin  
 Garrison, Annie; HE-3 ..... Longview  
 Gaskin, Ada; A&S-2 ..... Baytown  
 Gates, Carolyn; A&S-2 ..... Cleburne  
 Gates, Henry Eugene; Ag-1 ..... Garrison  
 (1) Gaynes, Algetta; HE-1 ..... Jefferson  
 Gee, Carolyn; A&S-3 ..... Galveston  
 George, Fred Lloyd; A&S-2 ..... Freetown  
 Gibbs, Leon; A&S-2 ..... Beaumont  
 Gibson, Bobbie Jean; A&S-2 ..... Calvert  
 Gibson, Doctor; MA-2 ..... Camden  
 Gibson, Dorothy; HE-3 ..... Houston  
 Gibson, Frances; A&S-3 ..... Houston  
 Gibson, Marie C.; A&S-2 ..... Texarkana  
 Gibson, Trolius; A&S-2 ..... Calvert  
 Giddings, Emma; HE-3 ..... Hillsboro  
 Gilbert, Linnie Ruth; A&S-1 ..... Coleman  
 (1) Gilbert, Louis; Ag-4 ..... Coleman  
 Gilder, Audrey F. C.; MA-1 ..... Lufkin  
 Gilliam, Leola; A&S-3 ..... Kilgore  
 Gilder, Maureen; A&S-1 ..... Colmesnell  
 Giles, Myrtle; HE-2 ..... Texas City  
 (1) Gilford, Audrey Jean; A&S-1 ..... Trinity  
 Gillins, Dorothy; A&S-3 ..... Dallas  
 (1) Gillins, Herschel; A&S-3 ..... Dallas  
 Gillins, June; A&S-2 ..... Dallas  
 Gillum, Georgia; HE-2 ..... Hempstead  
 Gilmore, Harrison B.; MA-1 ..... Bryan  
 Gipson, Edity; NE-1 ..... Livingston  
 Gipson, Evelyn Jane; A&S-1 ..... Oklahoma City, Oklahoma  
 Gipson, Fay Rene; A&S-1 ..... Farney  
 Gipson, Vassie Bennie; A&S-1 ..... Dallas  
 Givens, Clarence; A&S-4 ..... Palestine  
 (1) Given, Luther Leon; A&S-1 ..... Honey Grove  
 Gladney, Pearly Joyce; A&S-1 ..... Port Lavaca  
 Gladney, Julius; A&S-1 ..... Port Lavaca  
 Glass, Lee Vernon; Ag-1 ..... Schulenburg  
 Glass, Sally; A&S-4 ..... Dallas  
 Glenn, Leon; MA-2 ..... Glidden  
 Godine, Jewel; A&S-2 ..... Bryan  
 Godine, Ruby Bonita; A&S-2 ..... Bryan  
 Gooden, Bessie; A&S-4 ..... Caldwell  
 Gooden, Julia; A&S-1 ..... Hempstead  
 Goodman, Winold C.; HE-4 ..... Beaumont  
 Goodlow, Charles; MA-4 ..... Abilene  
 Goodspeed, Robert A.; MA-2 ..... Fort Worth  
 Goodwin, Christopher; A&S-1 ..... Cuero  
 (1) Gorden, Alfred John; A&S-1 ..... Beaumont  
 Gordon, Josephine; A&S-2 ..... Wharton  
 Goudeaux, Bertha; MA-3 ..... Negreet  
 Gosey, Lewis; MA-3 ..... Negreet  
 Gosey, Norene E.; A&S-1 ..... Bon Weir  
 Goyan, Alton Lee; HE-2 ..... Tennessee Colony  
 Goyens, Theron; A&S-4 ..... Texarkana  
 Grace, Donald E.; A&S-3 ..... Houston  
 Grace, Maurine; A&S-3 ..... Houston  
 Grant, Gloria L.; NE-1 ..... Galveston  
 Graves, Lucile Doris; A&S-1 ..... Independence  
 Gray, Donald; Ag-2 ..... Longview  
 (1) Gray, Roberta Mildred; A&S-1 ..... Baytown  
 Gray, Tommie Lee; Ag-3 ..... Linden  
 Gray, Walter; Ag-2 ..... Tyler  
 (1) Gray, Wilmar Oscar; HE-4 ..... Dallas  
 Green, Lena Mae; A&S-1 ..... Normangee  
 Green, Myrtle J.; A&S-1 ..... Galveston  
 Green, Re Etta; A&S-2 ..... Cameron  
 Green, Sammie Nell; A&S-2 ..... Palestine  
 Green, Verdia; HE-3 ..... Cleveland  
 Greene, Clarice; A&S-2 ..... Paris  
 Greene, Curley, J.; A&S-1 ..... College Station  
 Greene, Curley, Sr.; MA-Spec. ..... College Station  
 (1) Green, James; Ag-5 ..... Bastrop  
 Greene, Davis; A&S-3 ..... Linden  
 Greene, Dolores; A&S-2 ..... Weimar  
 Green, Dorothy Mae; A&S-1 ..... China  
 (1) Green, Frank; A&S-1 ..... Fort Worth  
 Greene, Jesse L.; A&S-1 ..... Weimar  
 Greene, Nolbert; A&S-3 ..... Gladewater  
 Greene, Roscell; A&S-4 ..... Victoria  
 (1) Greenwood, William; MA-4 ..... Fort Worth  
 Greenwood, Arlene; A&S-4 ..... San Antonio  
 Greggs, Delroy; Ag-4 ..... Quitman  
 Gregory, George; Ag-4 ..... Hempstead  
 Gregory, Jonathan; MA-2 ..... Houston  
 (1) Gregory, Roosevelt, Jr.; A&S-1 ..... Giddings  
 Griffin, Bobbie; A&S-2 ..... Jacksonville  
 Griffin, Alvin; A&S-3 ..... Texarkana  
 Griffin, Catherine L.; A&S-2 ..... Lalita  
 Griffin, Floyd; A&S-2 ..... Texarkana  
 Griffin, Thomas; A&S-2 ..... Beaumont  
 Griffin, Walter Lee; A&S-2 ..... Houston  
 Griggs, James W.; MA-3 ..... Prairie View  
 Griggs, Vernie A.; MA-2 ..... Prairie View  
 Grimes, Archie; A&S-4 ..... Wichita Falls  
 Grimes, Theodore; A&S-4 ..... Wichita Falls  
 Griner, Leroy Carl; Ag-4 ..... Jasper  
 Groner, James H.; A&S-1 ..... Wellington  
 Grisby, Carl; A&S-3 ..... Jefferson  
 Grover, Earnest; A&S-2 ..... Huntsville  
 Guice, Joyce E.; A&S-2 ..... Navosota  
 Guinn, Idell; HE-4 ..... Hempstead

(1)Gyden Robert; A&S-5	Dallas	Haywood, Charles C.; A&S-1	San Angelo
Hadnot, Iva Jean; HE-1	Woodville	Haywood, Harry; A&S-3	San Angelo
Haley, Augustine; A&S-4	Houston	Haywood, Robert Babe; 2T-2	Hempstead
Haley, Delores Faye; A&S-1	Hearne	Haywood, Robert J.; Ag.-4	Mineral Wells
Hall, Alderene; A&S-3	Crockett	Heagler, Bobbie; A&S-3	Fort Worth
Hall, Bursita Lee; A&S-1	Navasota	Hemphill, Ruby Lee; A&S-1	Mexia
Hall, Elroy; A&S-1	Slaton	Henderson, Dollene E.;	
Hall, Ethredge; A&S-1	Wichita Falls	A&S-1	San Antonio
Hall, Harold Maurice; A&S-3	Austin	Heard, Vance L.; A&S-2	Bloomington
Hall, Holmes; A&S-2	Hawkins	Heggins, Carver D.; A&S-1	Teague
(1)Hall, Jeanne Myrl; A&S-1	Dallas	Henderson, Ezra; A&S-Spec.	Prairie View
Hall, Joyce; A&S-2	Houston	Henderson, Gloria M.; A&S-1	Port Arthur
(1)Hall, Curtis Thomas; Ag.-2	Crockett	Henderson, Grace; A&S-4	Athens
Hall, Mary Hester; A&S-1	Bryan	(2)Henderson, Jean Marie; A&S-1	Hearne
Hall, Mary L.; A&S-3	Dallas	Henderson, Johnnie; A&S-2	Houston
Hall, Robert Lewis; MA-1	Waco	Henderson, Leon; Ag.-2	Marshall
Halton, Alberta V.; NE-1	Dallas	Henderson, Martha; A&S-3	Itasca
Hamilton, Freddie; HE-Spec.	Beaumont	Henderson, Sam Ella; A&S-1	San Antonio
Hamilton, Solomon P.; Ag.-1	Spring	Henderson, Thomas; A&S-3	Kilgore
Hamilton, Sueretha; HE-3	Pittsburg	Henderson, Tommy; A&S-2	Smithville
Hamilton, Jessye; A&S-1	Pittsburg	Hendrix, James; Ag.-4	Greenville
Hamlett, Ella; A&S-4	Athens	Henley, Melvia H.; A&S-1	Somerville
Hampton, Joe Willard; A&S-4	Tyler	Henry, Billie; A&S-4	Texas City
Hampton, Mary Ozell; A&S-1	Bremont	Henry, Louis, Jr.; A&S-1	Weimar
Hancock, Chester; A&S-2	Mineola	Henry, Elaine L.; HE-1	Eagle Lake
Hancock, Gollia; A&S-4	Mineola	Henry, Vallye Merle; A&S-2	Longview
Hancock, Lenola; A&S-3	Hempstead	Henry, Joseph; A&S-3	Houston
Hanible, Lafayette E.; Ag.-1	Bartlett	Henry, Ruth B.; A&S-Grad	Prairie View
Hardeman, Curlee C.; Ag.-4	Gilmer	Henry, Thomas; A&S-2	Calvert
Harden, Nathaniel;		Henry, Willie Steve; 2T-2	Hempstead
A&S-Grad	Prairie View	Henson, Euril; A&S-3	Houston
(1)Hardway, Booker; A&S-2	Prairie View	Henson, Verne Ruth; A&S-1	Overton
(Hardy, Schuyler; A&S-1	Dallas	Herdon, Daniel N.;	
Harkless, Germalean; HE-1	Cedar Lane	Ag.-Grad	Prairie View
Harlan, Flonnie Mae; A&S-2	Dallas	Hicks, Judith; NE-1	Houston
Harmon, Marcellus;		Herdon, Herbert Elmo; A&S-3	Houston
A&S-Spec.	Prairie View	Hicks, Leonard; Ag.-1	Trinity
Harmon, Linzel; A&S-2	Paris	Hicks, Willie; A&S-3	Shreveport, Louisiana
Harmon, Ruth; A&S-1	Prairie View	Hightower, Almetta; MA-2	Beaumont
Harnsberry, James H.; A&S-1	Bryan	Hightower, Ruby P.; A&S-3	Galveston
Harold, Cecl; A&S-3	Kilgore	(1)Higginbotham, Frank;	
Harper, Annie; A&S-3	Bremont	MA-2	Tucson, Arizona
(1)Harper, Doris V.; A&S-1	Houston	Hightower, Richard; A&S-4	Houston
Harper, Dorothy L.; NE-1	Galveston	Hill, Arthur; A&S-2	Galveston
Harrell, Willie; A&S-4	Austin	Hill, Joseph; A&S-2	Port Worth
(1)Harris, Charles; Ag.-1	Baytown	Hill, Nina Faye; HE-1	Timpson
Harris, Cornelius A.; A&S-1	Galveston	Hill, Ofria Lee; A&S-2	Naples
Harris, John R.; A&S-3	Gonzales	Hill, Sam; A&S-2	Hankamer
Harris, Lillian; A&S-2	West Columbia	Hines, Barbara; A&S-2	Corsicana
Harris, Malva; A&S-1	Sabine Pass	Hinton, German B.; A&S-3	Bryan
Harris, Norma; A&S-3	Italy	(1)Hodges, Louis; A&S-1	Silsbee
(1)Harris, Williams; A&S-1	Dallas	Hodge, Robert; Ag.-2	Calvert
Harrison, Annie A.; A&S-1	Yard	Hodges, Mildred; A&S-3	Houston
Harrison, Clarence E.; A&S-1	Beaumont	Hodges, William; A&S-3	Houston
(1)Harrison, Curley;		Hogue, Joseph; A&S-Grad	Galveston
A&S-Grad	Ben Wheeler	(1)Holland, Buford Randolph;	
Harrison, Eddie; Ag.-2	Tyler	MA-3	Longview
Harrison, Elmer; A&S-2	Houston	Holland, Ruth Ella; A&S-1	Dallas
(1)Harrison, Gilmore; 1T-1	Bryan	Holley, Ezell Lamar; Ag.-2	Naples
(1)Harrison, Katye;		Hollis, Ida Mae; HE-3	Galveston
HE-Grad	Sulphur Springs	Hollingsworth, Rilla; A&S-Grad	Paris
Harrison, Louise; A&S-2	Fairfield	Hollins, Homer Lee; A&S-1	Pittsburg
Harrison, Raphael; MA-4	Tyler	Hollins, Lee N.; MA-4	Houston
Hartsfield, Erma; A&S-4	Lindale	Holloway, Alaphay; A&S-2	Normangee
Hartfield, Lee Arthur;		Holloway, Cleotis B.; A&S-3	Prairie View
MA-1	Hales Springs	Holloway, Effie; A&S-2	Beaumont
Harvey, Doris E.; A&S-1	Taylor	Holman, Marvis Jeanne; A&S-1	Bessmay
(2)Harvey, Vina M. C.; A&S-3	Bellville	Holmes, Betty; A&S-2	Lubbock
Harvey, Dorothy; A&S-3	Fort Worth	Holmes, Beulah; HE-4	Kerens
Harvey, Julia Mae; A&S-1	Bellville	(2)Holmes, Harry L.; Ag.-1	Kerens
(1)Harvey, Waldo E.; MA-1	Marietta	Holmes, Henry; A&S-4	Nacogdoches
Hatcher, Bobbie Jean; A&S-3	Fairfield	Holmes, Ruby; A&S-2	Bartlett
(1)Hatter, McKenzie, Jr.;		Holt, Bobbie Dean; MA-2	Sherman
A&S-1	Grapeland	Holt, Ramond Lester; Ag.-1	Kilgore
Hawkins, George; Ag.-4	Jefferson	Hooks, Carolyn; HE-3	Texarkana
(2)Hawley, Mary Ann; HE-1	Dallas	Hooks, Wilma Ruth; A&S-1	Texarkana
Hayden, Rosa; A&S-3	Dallas	Hooper, Margie Len; HE-2	Timpson
Haynes, Alvin; MA-4	Big Sandy	Hopkins, John A.; Ag.-4	Centerville
Haynes, Berma Faye; A&S-2	Jewett	Hopwood, Essie; A&S-4	McGregor
Haynes, Virginia L.; A&S-1	Texarkana	Horne, Erma Jean; 2T-1	Dickinson

- (1)Horton, Darlene; A&S-1.....Fort Worth  
 Horton, Richard; A&S-Spec.....Dallas  
 (2)Hosie, James P.; A&S-2.....Prairie View  
 Houston, Berneice; HE-2.....Riverside  
 (2)Houston, Chester; Ag-1.....Woodlake  
 Houston, Clemith; A&S-3.....Bay City  
 Houston, John E.; MA-1.....Austin  
 Houston, Pearl; A&S-3.....Tyler  
 Howard, Billy Gene; A&S-1.....Waco  
 Howard, George; A&S-2.....Galveston  
 Howard, Jake; MA-4 Shreveport, Louisiana  
 Howard, Louis H.; Ag-2.....Conroe  
 Howard, Minnie; A&S-4.....Conroe  
 (1)Hubbard, Gladys; A&S-1.....Hooks  
 (1)Hubbard, Gwendolyn; MA-2.....Hooks  
 (1)Hubbard, John Oliver; Ag-1.....Humble  
 Hubbard, Mozerine; HE-1.....Galveston  
 (1)Hubbard, Vivian E.; HE-3.....Hooks  
 (1)Hubert, Earline; A&S-4.....Canden  
 Hudgins, Roosevelt; Ag-2.....Bay City  
 Hudson, Reginald A.; A&S-3.....Carthage  
 Hudson, Harold; A&S-2.....Carthage  
 Hudson, Willis A.; A&S-3.....Hearne  
 Hughey, Canary; A&S-2.....Texarkana  
 Hughley, Doris Raye; A&S-4 Pointblank  
 (1)Hughley, Gwendolyn; A&S-2.....Houston  
 Hunt, Mendie; HE-3.....St. Augustine  
 Hunt, Orevia; A&S-3.....Oakwood  
 Hunter, Cornelius; Ag-3.....Frankston  
 Hunter, Donald L.; A&S-1.....Cameron  
 Hunter, Jewel F.; A&S-2.....San Antonio  
 Hurd, Alean Marie; HE-1.....Fort Bend  
 Hutcherson, Daniel L.; Ag-2.....Freestone  
 (1)Hutchins, Willie M.; A&S-2.....Longview  
 Hyner, Harold; A&S-3.....Kaufman  
 (1)Hyson, Marguerite; A&S-1.....Jewett  
 Ingram, Cleopatra; A&S-1.....Gray  
 Ingram, Mary Lois; HE-1.....Tyler  
 Isaac, Climmie Fay; A&S-1.....Winchester  
 Jackson, Clarence A.; A&S-2.....Beaumont  
 Jackson, Cynthia; A&S-2.....Bryan  
 Jackson, Gladys J.; A&S-1.....Marshall  
 Jackson, Donald Ray; A&S-1.....Bay City  
 (1)Jackson, Herbert A.; A&S-1.....Waco  
 Jackson, Jewell G.; A&S-1.....Hempstead  
 Jackson, Jimmie L.; A&S-1.....Waxachachie  
 (1)Jackson, Juanita; HE12.....Houston  
 Jackson, John D.; MA-1.....Mexia  
 Jackson, Joyce; A&S-2.....Corpus Christi  
 Jackson, Leroy; MA-4.....Montgomery  
 Jackson, Lowell; A&S-4.....San Antonio  
 Jackson, Mathie Lee; Ag-4.....Crockett  
 (1)Jackson, Maye G.; HE-3.....Ennis  
 (1)Jackson, Mildred A.; HE-4.....Kilgore  
 Jackson, Rebecca, A&S-4.....Bay City  
 Jackson, Timothy; Ag-4.....Navasota  
 Jackson, Velma; A&S-4.....Henderson  
 Jackson, Verdell; HE-4.....Ennis  
 Jackson, Willie B.; A&S-2.....Rosanky  
 Jackson, Willie Lee; MA-4.....Waco  
 Jackson, Wilma Jean; A&S-2.....Bay City  
 James, Annie; A&S-2.....Waelder  
 James, John Alfred; A&S-1.....Dallas  
 (1)James, Juanita; A&S-2.....Woodville  
 James, Lois H.; A&S-3.....Kennard  
 James, Minnie B.; A&S-2.....Houston  
 Jameson, Prudie; A&S-1.....Brenham  
 Jarmon, Elwin; Ag-2.....Schulenburg  
 Jarmon, Ferdinand D.; 2T-1.....La Grange  
 Jeff, Reuben H.; MA-2.....Hearne  
 Jeffero, Mary; HE-2.....Huntsville  
 Jefferson, Annie E.; A&S-1.....Camden  
 Jefferson, Calvin A.; Ag-1.....Calvert  
 Jefferson, David H.; Ag-1.....Calvert  
 Jefferson, Geraldine; A&S-1.....Dallas  
 Jeffries, Lillian M.; A&S-1.....Dallas  
 Jenkins, Jimmy D.; A&S-3.....Overton  
 Jennings, Maltonia; A&S-1.....Houston  
 Jernigan, Jesse Bennett; 2T-1.....Tatum  
 Jernigan, Opal Doris; A&S-3.....Tatum  
 Jessie, Lovie O.; Ag-Grad.....Flint  
 Johns, Jack Alvin; A&S-1.....San Marcos  
 Johnson, A. D.; Ag-4.....Mt. Pleasant  
 Johnson, Aaron P.; Ag-3.....Galveston  
 Johnson, Alvin; Ag-2.....Grapeland  
 Johnson, Aria M.; A&S-2.....Kilgore  
 (1)Johnson, Beatrice; A&S-2.....Brazoria  
 Johnson, Bertha; HE-2.....Houston  
 Johnson, Buryan; A&S-3.....Mexia  
 Johnson Charles E.; 2T-1.....Mexia  
 Johnson, Charles Ruby; A&S-4.....Cameron  
 (1)Johnson, Clarence W.; Ag-4.....Quinlan  
 Johnson, Cleophus M.; A&S-3.....Cuney  
 Johnson, Clifton J.; MA-1.....San Antonio  
 Johnson, Consuela; HE-3.....Galveston  
 Johnson, Cyndia N.; A&S-4.....Plano  
 Johnson, Dinah Lenora; A&S-1.....Hallsville  
 (1)Johnson, Doris Lorene; HE-1.....Austin  
 Johnson, Easter D.; A&S-1.....Wattiesburg  
 Johnson, Eddie P.; A&S-4.....Dallas  
 Johnson, Edward L.; A&S-2.....Brenham  
 Johnson, Elvie N.; A&S-3.....Tyler  
 (2)Johnson, Essie M.; HE-4.....Dallas  
 Johnson, Florence M.; MA-2.....Brazoria  
 Johnson, George R. H.;  
 A&S-2.....Richmond, Virginia  
 Johnson, George W.; A&S-2.....Cameron  
 Johnson, Gertrude B.; A&S-4.....Orange  
 Johnson, Gloria Ray; A&S-2.....Texarkana  
 Johnson, Herbert Lester;  
 A&S-1.....Hempstead  
 Johnson, Isaac David; Ag-1.....Jefferson  
 Johnson, Jackie J. W.; A&S-2 San Antonio  
 Johnson, Jake B.; Ag-1.....Crockett  
 Johnson, James E.; A&S-2.....Longview  
 Johnson, Jessie F.; A&S-3.....Terrell  
 (1)Johnson, Johnnie O.; A&S-2.....Bryan  
 (1)Johnson, Mae Frances; NE-1 Longview  
 Johnson, Robbie L.; A&S-4.....Calvert  
 Johnson, Joyce M.; A&S-3.....Jefferson  
 Johnson, L. A.; Ag-4.....Cuney  
 Johnson, Leonard J.; A&S-1.....Gray  
 Johnson, Lonnie; MA-1.....Hempstead  
 Johnson, Louis E.; A&S-3.....Austin  
 Johnson, Lucille; A&S-3.....Houston  
 Johnson, Lucky; A&S-3.....Houston  
 Johnson, Maude Marie; A&S-1.....Gause  
 Johnson, Myrtle F. L.; A&S-1.....Temple  
 Johnson, Nathaniel; Ag-2.....Queen City  
 Johnson, Norma Lee; A&S-1.....Beaumont  
 Johnson, Opal G.; A&S-1.....Corrigan  
 Johnson, Raymond M.; A&S-1.....Frost  
 Johnson, Rhuzell; HE-1.....Avinger  
 Johnson, Rodgers D.; A&S-3.....Angleton  
 Johnson, Rosie Marie; A&S-1.....Marietta  
 Johnson, Thelma Lee; 2T-1.....Coleman  
 (1)Johnson, Thomas; Ag-3.....Crockett  
 Johnson, Vernice L.; A&S-4.....Belton  
 Johnson, Walter F.; A&S-2.....San Angelo  
 Johnson, William; A&S-1.....Lubbock  
 Johnson, William H.; A&S-1.....Dallas  
 Johnson, Willie L.; MA-2.....Fairfield  
 Joiner, Charles H.; Ag-3.....Rice  
 (1)Jolly, Jesse C.; Ag-3.....Kennard  
 Jones, Alfred; Ag-4.....Big Sandy  
 Jones, Carmenia M.; A&S-1.....Longview  
 Jones, Clara V.; HE-2.....Overton  
 Jones, Cleo Paul; A&S-4.....Palestine  
 Jones, Charles Delores; A&S-1.....Bryan  
 Jones, Charlye Mae; A&S-1.....Dallas  
 Jones, Clyde Edward; Ag-3.....Tyler  
 Jones, Ellevia Lee; A&S-3.....San Antonio  
 Jones, Emmit, Ag-4.....Gause  
 Jones, Earlie C.; A&S-1.....Columbus  
 Jones, Ernest E.; A&S-1.....Bryan  
 (1)Jones, Gwendolyn L.; A&S-1.....Dallas  
 Jones, Harvey D.; Ag-4.....Longview  
 (1)Jones, James Douglas;  
 A&S-1.....Fort Worth

Jones, James E.; A&S-2	Houston	(1) Lane, Wallace F.; Ag-2	Waco
Jones, Jo Ann; A&S-2	Mt. Pleasant	Langley, Melvin, Jr.; 2T-1	Malakoff
Jones, John C.; A&S-3	San Augustine	Langston, Julius; Ag-2	Corsicana
Jones, Kay Francis; A&S-1	Dallas	Larkin, Paula Stuart; A&S-2	Dallas
Jones, Annie Ferguson; A&S-4	Overton	Lathan, Ella L.; A&S-2	Nacogdoches
Jones, Lizzie L.; A&S-2	Longview	Latimer, Bonnie Jean; HE-1	Bagwell
Jones, Mildred E.; A&S-2	Lufkin	Lavert, Lodean L.; HE-2	Texasarkana
(1) Jones, Milton Veneer; MA-1	Gainesville	Lavert, Robzene; A&S-4	Texasarkana
Jones, Pauline; HE-3	Midway	Lawrence, Albert; A&S-4	Richards
Jones, Phillip; A&S-3	Victoria	Lawrence, Billy; MA-2	Sherman
Jones, Roosevelt; A&S-4	Fort Worth	Lawrence, E. J.; A&S-2	Richards
Jones, Roosevelt, Jr.; A&S-2	Hawkins	Lawson, Fannie Lee; A&S-2	Lubbock
Jones, Rubye J.; HE-3	Bryan	Lawson, James N.; A&S-3	Omaha
Jones, Sammie Edward; MA-2	Conroe	Lawson, Jimmie L.; HE-3	Montgomery
Jones, Tommie N.; A&S-4	Dallas	(1) Leath, Katie; NE-4	Cameron
(1) Jones, Velma; A&S-4	Caldwell	LeBlanc, Bettye Lois; A&S-1	Beaumont
Jones, Willie Faye; HE-2	Kerens	LeBlanc, Lillian; A&S-1	Beaumont
(1) Jones, Willie Elmer; A&S-3	Giddings	Lee, Donell; A&S-4	Dallas
(1) Jordan, Alphonso Marius; MA-2	Fort Worth	Lee, Joseph R.; A&S-3	Beaumont
Jordan, Bettye Ruth; A&S-1	Houston	Lee, Marie H.; A&S-Grad	Prairie View
Jordan, Cleophus D.; A&S-1	Houston	Lee, Marvis J.; A&S-4	Gonzales
Jordan, Lois E.; A&S-3	Houston	Lee, Robert E.; A&S-4	Houston
Jordan, Rose Mary; A&S-2	Houston	Lee, Sydney Louise; HE-3	Wichita Falls
Joseph, Edna; A&S-2	Beaumont	Lee, Walter A., Jr.; Ag-Grad	Tyler
Joyce, Stella Maxine; A&S-1	Liberty	(1) Lee, Valmarie Colley; A&S-1	Prairie View
Justice, Ivory M.; A&S-3	Fort Worth	Legginton, Juanita; A&S-2	Silsbee
Kaufman, Laurice M.; A&S-3	Houston	Lemons, Dorothy Mae; HE-1	Houston
Kearney, Aurelius B.; MA-1	Galveston	Lemons, Sarah M.; A&S-3	Galveston
Kearney, Estella I.; A&S-1	Galveston	Lenzy, Mary Bell; NE-1	Rusk
(1) Keaton, Harold Lee; A&S-1	Dallas	Leonard, Carl W.; MA-3	Smithville
(1) Keels, Johnnie Le; Ag-1	Greggton	(1) Lester, Trenna Mae; HE-2	Fort Worth
Kelley, Bettie J.; HE-4	Kerens	Lester, Viola Maxine; A&S-2	Fort Worth
Kelley, Etta Merl; A&S-2	Kerens	Lewis, Barbara Jean; A&S-1	San Antonio
Kelley, Andrew; A&S-3	Galveston	Lewis, Betty Jean; NE-1	Houston
Kelly, George E.; MA-2	Hillsboro	Lewis, Albert Bryon; A&S-2	Beaumont
Kemp, Valasta; HE-3	Somerville	(1) Lewis, Allen D.; A&S-4	Fort Worth
Kendrick, Alvin J. MA-4	Prairie View	Lewis, Billie E.; Ag-1	Naples
Kendrick, Laholman; MA-4	Haynesville	Lewis, Cleveland; A&S-1	Clarksville
Kennedy, James W.; A&S-2	Overton	Lewis, Hubert Lee; A&S-3	Rosebud
Kennedy, Marvin; Ag-3	Ben Wheeler	Lewis, Edna O.; A&S-3	Bay City
Kennedy, Minnie I.; A&S-1	Ben Wheeler	Lewis, Ernest, Jr.; MA-2	Garrison
Kennedy, Nathaniel H.; Ag-3	Dallas	Lewis, Ida Mae; HE-3	Anahuac
Kerr, Beatrice E. R.; HE-4	Caldwell	Lewis, James; Ag-Grad	Henderson
Keys, Della Mae; A&S-1	Baytown	Lewis, John Ella; A&S-2	Burkeville
Khrone, Clemmie T.; HE-4	Lyons	Lewis, Juanita; A&S-3	Katy
Kidd, Helena; HE-3	Nacogdoches	Lewis, Mamie Etta; A&S-2	Beaumont
Kimble, Westerfield; A&S-Grad	Stafford	Lewis, March Mae; A&S-2	Fort Worth
Kimble, Ernest; A&S-Spec.	Axtell	Lewis, Mary Ruby; A&S-2	Galveston
Kinard, Mable; A&S-1	Beaumont	Lewis, Richard S.; A&S-3	Cameron
Kincaid, Frank Allen; A&S-1	Troup	Lewis, Sammie Ruth; A&S-1	Oklahoma City, Oklahoma
King, Annie Lois; A&S-1	Tenalo	Lewis, Velma Ray; A&S-1	Garrison
King, Beasley Robert; A&S-1	Crockett	Lweis, Zelma; A&S-2	Chapel Hill
(1) King, Eugene; A&S-4	Blanchard	Lezine, Henry A.; Ag-1	Pineland
King, Faye Grace; A&S-2	Bryan	Lilly, Amos; Ag-4	Galveston
King, Harold Ray; A&S-Grad	Austin	Lilly, Ruth Delois; NE-1	Longview
King, Lorraine; A&S-4	San Antonio	Lilly, Dwight M.; Ag-2	Gary
King, Melvin; MA-2	Bloomington	Lilly, Esther Ruth; A&S-2	Gary
King, Ruberta; A&S-4	Newgulf	Linnie, Gilbert Ruth; A&S-1	Coleman
King, Vivian Vanilla; A&S-1	Dallas	Lisk, Nellie Vaughn; A&S-1	Dallas
King, William, Jr.; Ag-3	Newgulf	Lister, Vernal A.; Ag-4	Kaufman
Kirk, Gretel; A&S-Grad	Fort Worth	(1) Littles, Elspite; A&S-4	San Antonio
Kirk, Helen; A&S-4	Prairie View	(1) Livingston, Traswell C.; Ag-4	Donie
Kirksey, David, Jr.; A&S-1	Wiergate	Livingston, Velma; HE-4	Houston
Knight, John R.; A&S-3	Paris	Locus, Elsie; Ag-4	Fort Worth
Knight, Wanda M.; A&S-3	Paris	Loeb, Doris J.; A&S-3	Port Arthur
Knotts, Weldon V.; A&S-4	San Antonio	Logan, William David; A&S-Grad	Dallas
Koontz, Katherine J.; A&S-4	Houston	Lollie, Claude; MA-3	Overton
Kyle, Joe; A&S-4	West Columbia	Lollie, Louise M.; A&S-1	Overton
Lacy, Erma Jean; A&S-1	Waskom	London, Essie F.; A&S-Grad	Fairfield
Lampkin, Dorothus Fay; A&S-2	Jacksonville	Long, Robert Lewis; Ag-2	East
Ladd, Charles; A&S-4	Pittsburg	Loper, Edna Dorethea; NE-1	Houston
(1) Lampkin, Rubye Sue; A&S-2	Nacogdoches	Lott, Ruby Lee; A&S-2	Corpus Christi
Lampkin, George W.; Ag-3	Seguin	Loud, Henry E.; A&S-3	Dallas
Land, Odessa Bernice; A&S-1	Silsbee	Love, Clara Belle; A&S-4	Teague
Landers, Bennie, J.; A&S-4	Dallas	Love, Doris J.; HE-3	Fort Worth
(1) Lane, Curtis Ray; A&S-2	San Augustine	Love, John S.; Ag-4	Teague

- Lucas, Vernon Willie; A&S-1 ..... Beaumont  
Lusk, John R.; Ag.-4 Los Angeles, Calif.  
Lucas, James Earl; Ag.-3 ..... Longview  
McAfee, Magdalene G.; HE-4 ..... Brenham  
McAfee, Alice Mae; A&S-1 ..... El Campo  
McAlpine, Iris, Annette; A&S-1 ..... Dallas  
McBride, Richard; A&S-2 ..... Conroe  
(1)McCall, Arthur; A&S-3 ..... Houston  
McCann, Lillian; A&S-4 ..... Colmesneil  
McCann, Willie Lee; Ag.-Grad ..... Naples  
McCarter, Barbara; A&S-4 ..... Beaumont  
McClain, Billie J.; A&S-2 ..... Nacogdoches  
(1)McClain, Steave S.; A&S-1 ..... Lockhart  
McClendon, Alexander; A&S-1 ..... Troup  
McCloud, Lillie M.; A&S-2 ..... Texas City  
McCloudy, Dolores; A&S-2 ..... Dallas  
McClellan, Charles; 2T-1 ..... Galveston  
McCowan, Ira Lee; A&S-1 ..... Dallas  
McCoy, Charlie D.; Ag.-2 ..... Giddings  
McCray, Julia; A&S-3 ..... Chapel Hill  
McCullough, Sammie; A&S-2 ..... Galveston  
McCullough, William; A&S-1 ..... Fort Worth  
McDade, Florence; A&S-3 ..... Houston  
McDade, Willie, Jr.; Ag.-4 ..... Rockdale  
McDavid, Jesse; Ag.-3 ..... Overton  
McDonald, Alma; HE-3 ..... Silsbee  
(1)McDonald, Annie L.; A&S-1 ..... Silsbee  
(1)McDonald, Arthur B.; .....  
A&S-4 ..... Jacksonville  
(1)McDonald, Juanita M.; A&S-1 ..... Sealy  
McDonald, Morris; A&S-2 ..... Houston  
McDowell, Vernice; HE-1 ..... Lincoln  
McFadden, Geraldine; A&S-2 ..... Houston  
McFadden, Wendell; MA-4 ..... Houston  
McFarland, Bayla Y.; A&S-1 ..... Gainesville  
McFarland, Clarence; A&S-3 ..... Mineola  
McGee, Mable; A&S-1 ..... Hearne  
McGill, Benjamin; A&S-3 ..... San Antonio  
McGlaston, Harold I.; A&S-Grad ..... Marlin  
McGough, Billie J.; A&S-2 ..... Trinity  
McGowan, Joyce P.; 2T-2 ..... Houston  
McGrew, Aquila; 2T-1 ..... Columbus  
McGrew, Ruby Jewel; A&S-1 ..... Calvert  
McGriff, Annie Laura; .....  
A&S-1 ..... Tennessee Colony  
McIntosh, John Clark; A&S-3 ..... Hempstead  
McKie, Jonquil; NE-3 ..... Kerens  
(1)McKinney, Gladys; A&S-2 ..... Longview  
McKinney, Gloria; HE-4 ..... Navasota  
McKnight, Gloria E.; A&S-1 ..... Denison  
McKnight, James E.; MA-4 ..... Denison  
McLennan, Freddie D.; MA-1 ..... Waco  
McNeary, Fuller M.; A&S-3 ..... Rosenberg  
McNeely, Liggett R.; Spec ..... Kilgore  
McMillan, Lemmon C.; .....  
A&S-Grad ..... Prairie View  
McNeal, Ora Lee; A&S-3 ..... Rosenberg  
McMillon, Martha Ann; NE-1 ..... Houston  
McMillan, Vivian L.; .....  
A&S-Grad ..... Prairie View  
McNeil, Hester, L. J.; HE-3 ..... Dallas  
McNeil, Joye Lavern; A&S-1 ..... Denison  
McNeil, Marcellus B.; A&S-2 ..... Waco  
McPherson, Annie; HE-2 ..... Gonzales  
McPherson, Evelyn A.; A&S-2 ..... Cuero  
(1)McPherson, Katie; A&S-4 ..... Cuero  
McQueen, Elcena; A&S-3 ..... Camden  
McWilliams, Katherine; A&S-4 ..... Teague  
Mack, Emanuel; MA-4 ..... Linden  
(1)Mack, Oliver; Ag.-4 ..... Hearne  
Malone, Bobby Clyde; A&S-1 ..... Oakwood  
(1)Malone, Cecil Dunn; Ag.-4—Huntington  
Malone, Edgar T.; A&S-4 ..... Houston  
Malone, Helen; A&S-2 ..... Huntington  
Malone, Mildred Lee; HE-3 ..... Gray Burg  
Malone, Ruby Faye; A&S-1 ..... Pittsburg  
Malone, Ruby Lee; HE-3 ..... Pittsburg  
Malone, Ruth Sylvia; HE-2 ..... Calvert  
Malvern, James A.; A&S-2 ..... Denison  
Mangram, Abb Wesley; A&S-1 ..... Denison  
Mangram, Archie R.; A&S-3 ..... Dallas  
Mangram, Lillian G.; HE-3 ..... Pittsburg  
Mann, Fred Douglas; MA-3 ..... Austin  
Manning, Barbara J.; A&S-2 ..... San Angelo  
Manning, Lee Cradia; NE-1 ..... Navasota  
Manor, Cleavon Norward; Ag.-1 ..... Elgin  
Mannor, Glyn De; MA-1 Tulsa, Oklahoma  
Mapps, Amy Lee; A&S-2 ..... Longview  
Marable, Dorothy; A&S-2 ..... Ore City  
Marion, Jessie Mae; A&S-1 ..... Monahans  
Mantell, Geraldine Y.; NE-1 ..... Port Arthur  
Marshall, Albert; A&S-2 ..... Ennis  
Marshall, Herbert; A&S-3 ..... Wichita Falls  
(1)Marshall, Ira Jean; A&S-1 ..... Ennis  
Marshall, Justene; A&S-4 ..... Houston  
Marshall, Lettie; A&S-1 ..... Chestor  
Marshall, Recie; A&S-4 ..... Dallas  
Marshall, Vergie Mae; A&S-2 ..... Brenham  
Martin, Adelle; A&S-2 ..... Cameron  
Martin, Daniel W., Jr.; .....  
MA-Grad ..... Prairie View  
Martin, Dorothy K.; A&S-4 ..... Prairie View  
Martin, Dorothy L.; HE-2 ..... Luling  
Martin, Elsa Mae; HE-2 ..... Clarksville  
Martin, Ethel Jewel; A&S-2 ..... Clarksville  
Martin, Eunell; A&S-4 ..... Benchley  
Martin, Gid Arthur; A&S-1 ..... Nacogdoches  
Martin, Grace Bebe; A&S-3 ..... Kerens  
Martin, Grover; A&S-Grad ..... Prairie View  
Martin, Howard Ray; A&S-3 ..... Nacogdoches  
Martin, Leon William; Spec ..... Prairie View  
Martin, Leola; A&S-2 ..... Linden  
Martin, Freddie Mary; A&S-2 ..... Bryan  
Martin, Sylvester; A&S-3 ..... Linden  
Mask, John Willis; Ag.-1 ..... Dallas  
Mason, Dorothy J.; A&S-4 ..... Gladewater  
Massey, Delaura June; A&S-1 ..... Dallas  
Massey, Ira Clark; Ag.-2 ..... Athens  
Matherson, Arthur, Jr.; A&S-3 ..... Beaumont  
Mathis, Charles; MA-2 ..... Dallas  
Mathis, Claude Caesar; A&S-4 ..... Hempstead  
Mathis, Ellie; A&S-Spec ..... Hempstead  
(1)Mathis, Hazel; A&S-2 ..... Fort Worth  
Matthews, Faye Ella; A&S-1 ..... Bay City  
Matthews, Francis M.; A&S-1 ..... Dickinson  
Matthews, James W.; MA-1 ..... El Paso  
(1)Matthews, Nella E.; A&S-4 ..... Dallas  
Mattox, Ira Gene; A&S-1 ..... Wiergate  
Maxey, Johnnie Ruth; A&S-1 ..... Longview  
Maxie, Hortense M.; A&S-1 ..... Eagle Lake  
Mays, Johnnie, Jr.; Ag.-3 ..... Bastrop  
Mays, Edna Marie; A&S-3 ..... Mexia  
(1)Mays, William Arthur; 2T-2 ..... Hempstead  
Mayse, Vinia Mae; A&S-1 ..... Temple  
Meade, Pearl; A&S-2 ..... Frankston  
Meador, George; Ag.-2 ..... Beeville  
Means, Joyce; A&S-2 ..... Mexia  
Medlock, Elmer R.; A&S-4 ..... Dallas  
Melonson, Allen F.; MA-1 ..... Liberty  
Melonson, Timothy; A&S-1 ..... Liberty  
Melonree, Mildred L.; HE-1 ..... Marlin  
Melton, Mary Theresa; A&S-4 ..... Beasley  
Melton, Homerzelle; A&S-2 ..... Houston  
Mercer, Berry; MA-4 ..... Hearne  
Melton, Birdie Love; A&S-2 ..... Beasley  
Melton, Wilma Marie; NE-1 ..... Beasley  
(2)Menter, Irene Hugh; A&S-1 ..... Dallas  
Meshack, Betty; A&S-3 ..... Dallas  
Meshack, LaNelle; A&S-2 ..... Temple  
Mickens, Mary Helen; A&S-4 ..... Prairie View  
Mickle, Lela Mae; HE-3 ..... Navasota  
Mickle, Mattie L.; A&S-1 ..... Navasota  
(1)Middleton, Ernest C.; .....  
MA-1 ..... San Antonio  
Mikle, Earline, A&S-3 ..... Houston  
Miles, Betty Jean; A&S-4 ..... DeKalb  
Miles, Jimmie Fred; A&S-4 ..... Galveston  
Miles, Roosevelt, Jr.; A&S-2 ..... Houston  
Miles, Thelma; A&S-2 ..... Hearne  
Miles, Willie C.; Ag.-4 ..... DeKalb



Miller, Audrey Mae; HE-1	Malakoff	Muckleroy, Berry Ann; A&S-1	Texarkana
Miller, Billy Jean; MA-2	Dallas	(1)Muckleroy, Cotos H.; A&S-3	Hempstead
Miller, Clarence; A&S-4	Dallas	Muckleroy, Dorothy; A&S-2	Hempstead
Miller, Dora Lee; A&S-3	Bryan	Muckleroy, Roy; 2T-2	Kilgore
Miller, Iola; A&S-1	Denison	Munson, Gertha M.; A&S-Spec	Marlin
Miller, Rozetta; A&S-3	Terrell	Murry, Lois L.; A&S-2	Dayton
Miller, Webster; A&S-Grad	Texarkana	Myers, Jane M.; A&S-3	Texarkana
Millican, Ora Mae; NE-1	Brazoria	Muse, Georgia; HE-3	Prairie View
Milligan, Arthur J.; A&S-3	Beaumont	Myles, Doris Elaine; A&S-1	Longview
Mills, Emma; A&S-3	Houston	Nash, Arquilla Marie; A&S-1	Dallas
Mills, Essie; HE-4	Fort Worth	Nash, Dorris Marie; A&S-2	Elgin
Mills, Willie Lee; A&S-1	Baytown	Nash, Erma Jean; A&S-2	Elgin
Mills, Lionel; A&S-3	Brenham	Nash, Johnnie Lee; MA-1	Borger
Mills, Milbern; MA-3	Brenham	Nash, Clarcia S.; A&S-2	Corsicana
Milus, Modene; A&S-2	Lubbock	Nathan, Earle Bernice; A&S-3	Brenham
(1)Mims, Edgar; A&S-Grad	Marshall	Neal, Robert B.; MA-3	Longview
(1)Mines, Isia Homer; Ag-4	Commerce	Nealy, Annie Ruth; HE-4	Dallas
Mitchell, Arrie; HE-3	Liberty	Nealy, Leon, Jr.; A&S-1	Marshall
Mitchell, Charles; A&S-4	San Angelo	Nelson, Berry H.; A&S-3	Wiemar
Mitchell, James E.; Ag-4	Dallas	Nelson, Florence J.; A&S-1	Amarillo
Mitchell, Louis D.; A&S-3	Corpus Christi	Nelson, George; Ag-1	New Boston
Mitchell, Maceo; MA-4	Hallettsville	Nelson, Thomas; A&S-3	Oakwood
Mitchell, Opal A.; A&S-1	Kaufman	Nettles, Arthur; A&S-2	Houston
Mitchell, Pansy; A&S-4	Hallettsville	Neuman, Fayrene; A&S-4	Smithville
Mitchell, Ruthie Lee; A&S-1	Beaumont	(1)Newell, Melvin D.; MA-1	Houston
Mitchell, Walter; MA-3	Matadex	(1)Newsome, Elbe; MA-4	Brenham
Mitchell, William; Ag-4	Tyler	Newsome, Benjamin; MA-2	Brenham
Mitchell, Willie; A&S-Grad	Daingerfield	Newton, Jasper S.; A&S-1	Houston
Modester, Willie; HE-2	Fort Worth	Nicholson, Juanita; A&S-2	Port Arthur
Moffett, Barbara A.; A&S-1	Greenville	Nicholson, Mary R.; A&S-1	Omaha
Monroe, Fred Raymond; A&S-1	Midland	Nix, Thomas; A&S-1	Temple
Montgomery, Alma; A&S-2	Tatum	Nolen, Mary Lealer L.; HE-4	Waco
(1)Montgomery, Clifton; A&S-2	Tatum	Norman, Austin; A&S-3	Galveston
Montgomery, Samuel; Ag-4	Dallas	Norris, Gloria A&S-2	Fairfield
Montgomery, Winfred; A&S-1	Tatum	Norsworthy, Betty J.; A&S-1	Austin
Monur, Glyn D.; A&S-1	Dallas	Norris, Jean; A&S-4	Prairie View
Mooney, Marguerite E.; A&S-3	San Antonio	(1)Norton, Elizabeth L.; A&S-4	Brackenridge
(1)Mooney, Robert S.; A&S-2	Cuero	Nowlin, William J.; A&S-1	Calvert
Moore, Bessie Mae; A&S-4	San Augustine	Nunn, George W.; A&S-1	Dallas
Moore, Druclilla; A&S-3	Lyons	Odum, Bennie Mae; A&S-1	Dallas
Moore, Ethel B.; A&S-1	Houston	Odum, James; A&S-1	Deboll
Moore, Freddie S.; A&S-4	Prairie View	Ogletree, Mack Dade; A&S-1	Woodville
Moore, Leo; A&S-2	Atlanta	(1)Oliver, Joseph W.; A&S-1	San Antonio
Moore, Mary E.; A&S-Spec	Prairie View	O'Neal, Dorothy J.; A&S-3	Houston
Moore, Morris M.; 1T-1	Hempstead	Orr, Clyde Hugh; A&S-2	Van Alstyne
Moore, Nathaniel; A&S-3	Rockdale	Orum, Eddie; Ag-2	Groesbeck
Moore, Phillip; A&S-4	Waco	Otto, Josiah Murl; Ag-4	Acera, B. W. Africa
Moore, Robert; A&S-4	Terrell	Outland, R. Daniel; Ag-4	Waco
Moore, Ulysses; Ag-Grad	Texarkana	(1)Outley, Freddie; A&S-4	Houston
Moore, Warren Gamiel; Ag-Grad	Mt. Pleasant	Outley, Juanita; A&S-4	Houston
Moore, Willie B.; A&S-3	Longview	Overstreet, Granvel; A&S-3	Hillsboro
Moore, Willie H.; Ag-4	Longview	Owens, Billy J.; A&S-3	Gilmer
Mooring, Client; Ag-1	Roans Prairie	Owens, Earlene; HE-3	Texarkana
Mooring, Olen Earl; A&S-2	Houston	Owens, Fannie Mae; A&S-3	Oakwood
Moreland, Rastus; Ag-2	Jacksonville	Owens, Maurice; Ag-4	Waller
Morgan, Alma; A&S-3	Bremond	Owens, Samuel L.; MA-1	Smithville
Morgan, Dorothy Jean; A&S-1	Coolidge	Pace, Millie Lee; A&S-Grad	Bryan
Morgan, Janice B.; A&S-Grad	Dallas	Page, Patsy; HE-4	San Augustine
Morgan, John P.; Ag-Grad	Newton	Paige, Lonnie Bell; A&S-1	Longview
Morgan, Lais E.; A&S-1	Brownwood	Palmer, Hattie; A&S-4	Huntsville
Morgan, Norris D.; A&S-3	Dallas	Palmer, Mauvelyene; A&S-2	Tyler
Morris, Arvis M.; A&S-1	Conroe	Palmer, Willie H.; A&S-4	Jamestown
Morris, Bobbie J.; A&S-3	Liberty	Pannel, Ralphius; Ag-3	Reagan
Morris, Booker T.; A&S-4	Cuero	Paris, Eddie; A&S-2	Montulba
Morris, Durwood; Ag-3	Sulphur Springs	Parker, Ernest Jean; A&S-1	Bivins
Morris, Otis A.; A&S-2	Houston	Parker, Essaine; A&S-1	Caldwell
Morrison, George; Ag-2	Alto	(1)Parker, Floyd; Ag-4	Longview
Morrison, S. M.; A&S-2	Mexia	Parker, George H.; MA-3	Galveston
Morrow, Billie Lue; A&S-1	San Angelo	Parker, Kermit; A&S-1	Houston
Morrow, Bobbie Sue; A&S-1	San Angelo	Parks, Pearl; A&S-2	Lufkin
Morton, Joyceyl; A&S-4	Fairfield	Patch, Bobbie Jean; A&S-1	Dallas
Morton, Gwendolyn O.; A&S-1	Oakwood	Patrick, Floyd; 2T-2	Waxahachie
Mosley, Earl Lee; Ag-4	Tenolo	Patrick, Sterling; A&S-3	Galveston
Mosley, Audrey; A&S-4	Hempstead	Payne, James; A&S-3	Bastrop
(1)Mosley, Betty Lois; A&S-1	Houston	Pearson, Gladys L.; A&S-1	Mexia
Mosley, Samuel, Jr.; A&S-1	Bryan	Peavy, Freddie; A&S-3	Houston
Moye, Oscar L.; Ag-4	Woodvil'e	Payton, Ethel; A&S-4	Texarkana
Moyd, Willie Louis; A&S-1	Woodville	Penelton, Alberta; A&S-3	Daltas

- Pennington, Mae F.; A&S-1 ..... Lamesa  
 Perkins, Albert; Ag-2 ..... Linden  
 Perkins, Andres; A&S-3 ..... Amarillo  
 Perkins, Horace; A&S-2 ..... El Campo  
 Perkins, Lee; A&S-Grad ..... Prairie View  
 Perkins, Ralph J.; Ag-4 ..... Jewett  
 Perry, John; Ag-3 ..... New Boston  
 Perry, John H.; A&S-1 ..... McKinney  
 Peterson, Alandrus; MA-3 ..... Bryan  
 Peters, Sam; A&S-3 ..... Bay City  
 Pettit, Barbara J.; NE-1 ..... Kendleton  
 Pettitt, Cleveland Roy; A&S-3 ..... Kendleton  
 Pettitt, Homer; A&S-3 ..... Kendleton  
 Pettaway, Altha, HE-4 ..... Orange  
 Petty, Audrey; Ag-3 ..... Lindale  
 Petty, Imogene; A&S-1 ..... Bryan  
 Petty, James E.; A&S-2 ..... Cameron  
 Petty, Madelyn; HE-4 ..... Houston  
 Petty, Prunella; A&S-2 ..... Bryan  
 Phelps, Jessie; A&S-2 ..... Houston  
 Phelps, Leola; A&S-2 ..... Hempstead  
 Phillips, Annie; A&S-4 ..... Teague  
 (1)Phillips, Charlie G.; Ag-1 ..... Teague  
 Phillips, Dorothy; HE-3 ..... Wharton  
 Phillips, James; Ag-4 ..... Chapel Hill  
 Phillips, Jerl; A&S-2 ..... Karnes City  
 Phillips, Jerutha; A&S-3 ..... Neches  
 Phillips, Nathaniel; Ag-2 ..... Neches  
 Phillips, Odie Lee; A&S-4 ..... West Columbia  
 Phillips, Pearl Ester; HE-1 ..... Winona  
 Phillips, Thoymme S.; HE-4 ..... Cuero  
 Pickens, McKinley Jewel; A&S-2 ..... Houston  
 Pinkard, Jamzie Ruth; A&S-1 ..... Grosebeck  
 Pipkin, Annie Viola; A&S-4 ..... Prairie View  
 (1)Pipkin, Lorenzo; A&S-2 ..... Beaumont  
 Poindexter, James W.; A&S-1 ..... Port Arthur  
 Polk, Leonard, Jr.; A&S-2 ..... Gonzales  
 Polk, Mary Frances; A&S-1 ..... San Antonio  
 Pollard, Clifford J.; A&S-Grad ..... Galveston  
 Poole, Gus T.; Ag-4 ..... Cameron  
 Poole, Trachanzie; Ag-3 ..... Hempstead  
 Pope, Lawrence L.; A&S-1 ..... Henders'on  
 Popnaugh, Ruth; A&S-4 ..... Amarillo  
 Porter, Mattye; HE-3 ..... Tyler  
 Porter, Roberta E.; HE-4 ..... Tyler  
 Potts, Martha; A&S-2 ..... Bryan  
 Pouncy, Mitchell L.; A&S-4 ..... Palestine  
 Pouncy, Vineta D.; HE-2 ..... Palestine  
 (1)Powell, Eddie Lee; A&S-1 ..... New Boston  
 Preadom, Henry Louis; MA-1 ..... Port Arthur  
 Presley, Edward G.; A&S-1 ..... Dallas  
 Presley, Joyce; A&S-3 ..... Dallas  
 Preston, Doris R.; A&S-2 ..... Bay City  
 Prater, Mary H.; A&S-2 ..... Cameron  
 Preston, Doris Lee; HE-1 ..... Vernon  
 Price, Dana M.; HE-4 ..... Karnack  
 Price, Edward F.; A&S-4 ..... Smithville  
 Price, Jack; A&S-2 ..... Dallas  
 (1)Price, Mary Lucille; HE-1 ..... Geneva  
 Price, Robbie Sue; A&S-3 ..... Gilmer  
 Price, Robert Earl; Ag-1 ..... Smithville  
 Prosper, Lafayette; 2T-1 ..... Navasota  
 Pruitt, Eural, A&S-2 ..... Fort Worth  
 Pruitt, John W.; Ag-4 ..... Crockett  
 Pruitt, Marie; A&S-4 ..... Dallas  
 Pruitt, Willie; A&S-3 ..... Fort Worth  
 Pryor, Wilford Earl; Ag-1 ..... Smithville  
 Pugh, Lawrence; A&S-4 ..... Dallas  
 Quarles, Monroe; Ag-3 ..... Houston  
 (1)Quarles, Omezelle J.;  
 A&S-Spec ..... Bryan  
 Radford, Comena; A&S-2 ..... Hawkins  
 Raglin, Naomi; A&S-4 ..... Richards  
 Raglin, Patsy Ann; A&S-1 ..... Groesbeck  
 Ragster, Leroy; MA-3 ..... Beckville  
 Raibe, Henderson R.; A&S-2 ..... Dallas  
 Randall, Marguerite; A&S-1 ..... Prairie View  
 Randle, Lucy L.; A&S-3 ..... McGregor  
 Randle, Theodore; Ag-Grad ..... Houston  
 (1)Randon, Van Don, Jr.; A&S-1 ..... Freeport  
 (1)Randon, Willia Loyce; A&S-1 ..... Italy  
 Rasmus, Barbara Jean; A&S-1 ..... Houston  
 (1)Ratliff, Vernon T.; A&S-3 ..... Temple  
 Ravnell, Alonzo; A&S-1 ..... Mexia  
 Rayson, Rogers F.; 1T ..... Carthage  
 Redd, Bettye Jean; A&S-2 ..... Austin  
 Redman, Walter; MA-2 ..... Fort Worth  
 Reed, Euranita; A&S-1 ..... Waxahachie  
 Reed, James Ray; 1T-1 ..... Plains View  
 Reed, Johnny W.; A&S-3 ..... Houston  
 Reed, Ottra M.; A&S-3 ..... Waco  
 Reed, Robbye L.; A&S-3 ..... Martlet  
 Reed, Victor Marie; A&S-1 ..... Dallas  
 Reedy, George L., Sr.; MA-1 ..... Houston  
 Reese, Dorothy; HE-1 ..... Amarillo  
 Reese, Gaynell; HE-4 ..... Paris  
 Reese, Jimmy L.; Ag-2 ..... Coldspring  
 Reeves, Alan J.; A&S-3 ..... Houston  
 Reeves, John; Ag-4 ..... Palestine  
 Reeves, Lillian V.; A&S-1 ..... Palestine  
 (1)Register, Marcelis; A&S-1 ..... Gladewater  
 Reid, Verma Anne; A&S-1 ..... Daingerfield  
 Reynolds, Irma Bean; A&S-1 ..... Mexia  
 Rhem, Bernice L.; A&S-1 ..... Rockdale  
 Rhem, Edward R.; Ag-3 ..... Rockdale  
 Rhem, Sherman L.; A&S-3 ..... Rockdale  
 (1)Rhodes, Charles; A&S-4 ..... Houston  
 Rhodes, Fannie; A&S-3 ..... Houston  
 (1)Rhone, Gloria Dean; A&S-1 ..... Silsbee  
 Rhymes, A. C.; A&S-1 ..... Mt. Pleasant  
 (1)Rice, John Hill; A&S-4 ..... Madisonville  
 Richard, John A.; A&S-2 ..... Fort Worth  
 Richards, Eddie T.; HE-4 ..... Hempstead  
 Richards, Eva M.; NE-1 ..... Rockdale  
 Richards, Barbara; A&S-3 ..... Hempstead  
 Richards, Frances; HE-2 ..... Hempstead  
 Richards, Marvin; A&S-1 ..... Orange  
 Richards, Carrie Lue; NE-1 ..... Rockdale  
 Richards, Minnie J.; A&S-3 ..... Center  
 Richards, Viola Jean; A&S-1 ..... Navasota  
 Richardson, Belzie C.; A&S-1 ..... Hillsboro  
 Richardson, Camella; A&S-4 ..... Galveston  
 Richardson, Charles; A&S-4 ..... Texas City  
 Richardson, Conrad; A&S-3 ..... Fort Worth  
 Richardson, Cluren L.; Ag-1 ..... Naples  
 Richardson, Curtis;  
 A&S-4 ..... Oxnard, California  
 Richardson, Ina; A&S-4 ..... Oakhurst  
 Richardson, James; Ag-4 ..... Brenham  
 Richardson, Lee; A&S-2 ..... Hillboro  
 Richardson, Lettie; A&S-2 ..... Oakhurst  
 Richardson, Lola M.; HE-1 ..... Brenham  
 Richardson, Maple; A&S-4 ..... Longview  
 Richardson, Roy H.; MA-1 ..... Gonzales  
 Richmond, Winifred; MA-4 ..... Axtell  
 Ricks, Geneva; HE-4 ..... Dickinson  
 Riggs, Marie E.; A&S-2 ..... Dallas  
 Riggsby, Nathaniel; MA-3 ..... Woodville  
 Riley, Anna Delois; HE-2 ..... Houston  
 Riptoe, Lillian; A&S-2 ..... Ennis  
 Ritcherson, Solon; MA-4 ..... Waco  
 Rivers, Horace H.; A&S-2 ..... Giddings  
 Roach, Majorie Zelma; A&S-1 ..... Elkhart  
 Roan, Ozelle Evelyn; A&S-4 ..... Baytown  
 Robbins, Gloria D.; HE-1 ..... Fort Worth  
 Roberts, Alvin E.; A&S-2 ..... San Antonio  
 Roberts, Billy Gene; A&S-1 ..... Mineola  
 Roberts, Dorothy J.; HE-3 ..... Longview  
 (1)Roberts, Empira; Ag-4 ..... Longview  
 Roberts, James E.; A&S-3 ..... Cameron  
 Roberts, Judson; MA-4 ..... Garrison  
 Roberts, Lee Louis; A&S-2 ..... Cameron  
 Roberts, Marjorie A.; A&S-2 ..... Galena Park  
 Robertson, Lois L.; HE-3 ..... Rosser  
 Robinson, Bennie M.; A&S-3 ..... Wink  
 Robinson, Clara; HE-4 ..... Houston  
 Robinson, Dell M.; HE-1 ..... Texas City  
 Robinson, Elmyra; NE-1 ..... Freeport  
 Robinson, Ermadine; A&S-3 ..... Naples  
 Robinson, R. Eaulalia; A&S-4 ..... Elgin

Robinson, Eunice; A&S-3	College Station	Scott, Anita Jean; A&S-1	Dallas
(1)Robinson, Frank M.; Ag-2	Texarkana	Scott, Audrey Mae; A&S-1	Dallas
Robinson, Freeman; A&S-1	Frost	Scott, Cecil C.; A&S-2	Hallsville
Robinson, Helen R.; A&S-3	Naples	Scott, Delores E.; A&S-Spec.	White Spring
Robinson, Hillery; MA-Grad	Port Arthur	Scott, Dorothy Anita; A&S-1	Lufkin
Robinson, Howard C.; A&S-2	Beaumont	(1)Scott, Edward Walter; Ag-4	Hempstead
Robinson, James O.; A&S-4	LaMarque	Scott, Emma; A&S-4	Lubbock
Robinson, Mary L.; A&S-1	Fort Worth	(1)Scott, John Leonard;	
Robinson, Augusta S. R.; HE-4	Houston	A&S-2	Fort Worth
Robinson, Robert C.; A&S-4	Needville	Scott, Judge L.; Ag-4	Cuney
Robinson, Ruby L.; 1T-1	Taylor	Scott, Lottie B.; A&S-3	Elgin
Robinson, Rubye F.; A&S-2	Buffalo	Scott, Paul; A&S-2	Corpus Christi
Robinson, Lenard; A&S-1	Huntsville	Scott, Violet Jean; NE-1	Jacksonville
Robinson, Susie A.; Spec	Tyler	Scott, Wellington; A&S-3	Jacksonville
Robinson, Vera L.; A&S-3	San Antonio	Scott, William; MA-3	Loraine
Rodgers, Elizabeth L.; A&S-4	Paris	Scurten, Richard T.; MA-3	Terrell
Rodgers, Ester V.; A&S-3	Gonzales	Scanton, Henry; A&S-2	Houston
Rodgers, Oma Jean; A&S-1	Pittsburg	Scanton, Philip J.; A&S-1	Houston
Rodgers, Ralph; Ag-4	Pittsburg	Scruggs, James; A&S-4	Waco
Rodgers, Willard C.; Ag-2	Marietta	See, Wilburn; Ag-3	Calvert
Rogers, Charles, Jr.; A&S-2	Dallas	Sedberry, Edward C.; A&S-2	Houston
Rogers, Lelia J.; HE-4	Temple	Sells, Eka; A&S-4	Jamestown
Rogers, Ida Marie; A&S-1	Pittsburg	Senegal, Ethel M.; A&S-4	Galveston
Rogers, Mary Alice; A&S-1	Port Arthur	Session, R. D.; MA-3	Jacksonville
Rogers, Thelma; HE-2	Washington	(1)Session, Archie; A&S-1	Dallas
Roligan, Bobbie; HE-4	Beaumont	Shannon, Marthall; A&S-2	San Marcus
Rollins, Lula Bell; A&S-1	Liberty	Sharpe, Talmadge; Ag-4	Jasper
Roosevelt, Gregory; Ag-1	Giddings	Sharpliss, Dorothy; HE-4	Big Sandy
Roosevelt, Miles, Jr.; A&S-2	Houston	Shaw, Alice Marie; A&S-1	Port Arthur
Roquemore, Saul; Ag-2	Bivins	Shaw, Amos; A&S-1	Port Arthur
Rose, James J.; A&S-2	Sulphur Springs	Shaw, Lawrence; Ag-1	Jasper
Rose, Wallace; Ag-4	Houston	Shaw, Wesley; A&S-3	Hillsboro
Ross, Allie M.; HE-4	Mineola	(1)Shelton, Gene; A&S-2	Brenham
Rosemond, Samuel L.; A&S-1	Cameron	Shepard, Gloria Faye; A&S-1	Temple
Ross, Dorothy J.; A&S-2	Booth	Shepard, Lonnie; MA-3	Jefferson
Ross, Gwendolyn L.; A&S-4	Overton	Shepard, Walterene; HE-4	Marlin
Ross, Jimmie L.; A&S-3	Henderson	(1)Shepard, Lawrence;	
Ross, Samantha; A&S-3	Brenham	MA-4	Tuscon, Arizona
Route, Bradford L.;		Shepard, Ray C.; A&S-4	Grapeland
A&S-1	San Augustine	Shepard, Mary A.; HE-2	Nacogdoches
Roy, Caesar Augustus; A&S-1	Jacksonville	Shepherd, Willie F.; MA-3	Tyler
Ruffin, Joseph Lee; MA-1	Seguin	Sheppard, Era Faye; A&S-2	Reklaw
Ruffin, Verd Darden; A&S-1	Fort Worth	Sheppard, Eva Yvonne; A&S-1	Fort Worth
Russ, Andrewetta; A&S-2	Longview	Sheppard, Freddie; A&S-1	Washington
Russaw, Eila Mae; A&S-2	Richards	(1)Shilow, Mary Catherine;	
Russell, Charles A.; 2T-1	Quitman	A&S-2	Beaumont
Russell, Clarence; A&S-3	Fort Worth	Shine, Marquis E.; A&S-2	Dallas
Russell, Dan M.; MA-2	Fort Worth	Shivers, Deloris V.; A&S-3	Bryan
Russell, Fannie; A&S-3	Hillsboro	Sigers, Geneva Sherilyn;	
Russell, Lillian; A&S-3	Fort Worth	A&S-1	Nacogdoches
Russell, Robbie L.; HE-2	Grayburg	Silva, Lewis; Ag-1	Naples
Sadberry, Alonzo; A&S-Grad	Gause	Siminen, Martha M.; A&S-4	Galveston
Sadberry, Carolyn; HE-4	Benchley	Simien, Hilbert A.; A&S-2	Galveston
Sallie, Willie G.; Spec	Dallas	Simmons, Dorothy L.; NE-1	Beaumont
Sample, Beadie M.; A&S-1	Orange	Simmons, Melvin; MA-2	Dallas
(1)Sams, Chris; A&S-2	Beaumont	Simon, Nola Jane; A&S-1	Baytown
Samuels, Kitty D.; A&S-2	San Antonio	Simon, Odis; Ag-4	Cushing
Sams, Eristus; Ag-Grad	Prairie View	Simpkins, Billye Joe; A&S-2	Fort Worth
Sanders, Albert B.; Ag-1	Kilgore	Simpkins, Don Trent; A&S-2	Fort Worth
Sanders, Emerson; Ag-3	Hempstead	Simpson, James L.; A&S-3	Rosenberg
Sanders, Lonnie B.; A&S-1	Detroit	Simpson, Veatrice V.; HE-3	Houston
Sanders, Lynn; 2T-2	Waskom	Sims, Goretta; A&S-1	La Porte
Sanders, Mary J.; HE-2	Willis	Sims, Ida Ruth M.; HE-4	Plum
Sanders, Nettie D.; HE-2	Bartlett	Sims, Vernice; A&S-1	Austin
Sanders, Robert; MA-2	Yoakum	Sincere, Jean Lewis; A&S-2	Houston
(1)Sanders, Ruben A.; Ag-4	Seguin	Skillern, Nancy E. W.; A&S-4	Silsbee
Sanders, Thomas W.; Ag-1	Bartlett	(1)Smith, Billy C.; A&S-3	Fort Worth
Sanders, Veria; HE-3	Hempstead	Smith, Bonnie F.; A&S-3	Pittsburg
Sanders, Verna; HE-4	Kilgore	Smith, Charles; A&S-2	Berkeley
Sanders, Virgil L.; HE-1	Fort Worth	Smith, Clarabell D.; A&S-4	Gause
Sanders, Zelma Faye; HE-1	Henderson	Smith, Clarence A.; A&S-1	Galveston
Sanford, Cara Fae; A&S-1	Overton	Smith, Clinton B.; A&S-3	Luling
Sapenter, Dorothy Nell; A&S-3	La Marque	Smith, Dolris Laura; A&S-1	Amarillo
Sargent, Emory; Ag-4	Beaumont	Smith, Dinarad A.; A&S-1	Queen City
Sargent, Ernest; Ag-4	Beaumont	Smith, Dorothy L.; A&S-2	Camden
Sargent, Harold; A&S-2	Houston	Smith, Dorothy Jean; A&S-1	Dallas
Scalles, Thelma Clara; NE-1	Baytown	Smith, Doris Marie; HE-3	Jefferson
Scallion, Elijah, Jr.; A&S-1	Schulenburg	Smith, D. S.; Ag-4	Gause
Scarlett, Maxwell C.;		Smith, Edith C.; A&S-4	Texarkana
A&S-Grad	Fort Worth	Smith, Edna; A&S-4	Texarkana
Scott, Alvin R.; Ag-2	Jacksonville	Smith, Erma Jean; HE-2	Hempstead

Smith, Elvin; A&S-1	Beaumont	Stinnett, Robert L.; A&S-2	Dallas
Smith, Esther R.; A&S-2	Dallas	Stout, Doris J.; A&S-3	Fort Worth
Smith, Eugene E.; A&S-1	Palestine	Stoney, Raymond; MA-4	Corpus Christi
Smith, Eva Lee; HE-3	Houston	(1)Stradford, Ellecia; A&S-4	Dallas
Smith, Exa Louise; A&S-2	Hearne	Strickland, Doris; A&S-4	Texarkana
Smith, Ferman R.; A&S-1	Beaumont	Strickland, James; A&S-2	Waskom
(1)Smith, Fred W.;		Stringfellow, Floyd Nathaniel;	
MA-1	Arkadelphia, Arkansas	A&S-3	Houston
Smith, Gertrude Berry;		Stubblefield, Tobias; MA-2	Willis
A&S-Grad	Prairie View	Stubblefield, Walter; Ag-4	Willis
Smith, Harold C.; A&S-1	Huntsville	Sullivan, James; A&S-2	Greenville
Smith, Harvey L.; Ag-2	Houston	Summers, Tribble J.; A&S-1	Fort Worth
Smith, Haywood C.; A&S-2	Glidden	Sumuel, William C.; MA-4	Palestine
Smith, James C.; Ag-4	Gause	Sutton, Rosie M.; A&S-2	Bay City
Smith, James E.; Ag-3	Luling	Swanson, Floyd T.; A&S-3	Palestine
Smith, Jessie M.; A&S-3	Texarkana	Sylvester, Ernest; A&S-2	Beaumont
Smith, Jewell B.; A&S-2	Texarkana	Tallye, Louise M.; A&S-3	Dallas
Smith, Lavern; Ag-Grad	Dallas	Tanner, Eva L.; A&S-4	San Antonio
Smith, Leroy Devon; 2T-2	Boytown	Tanner, Lillie B.; A&S-2	Dallas
Smith, Lester; A&S-2	Baytown	Tappett, Dana V.; A&S-2	Longview
Smith, Louise Finley; HE-4	Washington	Tapscott, Charles; Ag-2	Prairie View
Smith, Mable J.; A&S-1	Overton	Tarver, Golden H.; A&S-4	Mt. Pleasant
Smith, Marjorie; HE-3	Henderson	Tatum, Alan; A&S-1	Henderson
Smith, Mocille E.; A&S-1	Texarkana	Tatum, Charles E.; A&S-3	Center
Smith, Norma Dean; A&S-2	Fort Worth	Tatum, Easter; A&S-2	Jacksonville
Smith, Raymond; A&S-1	Needville	Tatum, James L.; A&S-4	Mineola
(1)Smith, Roland Daniel; A&S-2	Houston	Tatum, Mereta R.; A&S-2	Mineola
Smith, Ruby Faye; A&S-1	Midland	Taylor, Bettye Joe; A&S-3	Texarkana
Smith, Shirley B.; A&S-1	Huntsville	Taylor, Billie Ruth; A&S-1	Trinity
Smith, Trixie Lee; A&S-1	Gilmer	Taylor, Carolyn Jean; A&S-1	Mt. Calm
Smith Ural; Ag-2	Houston	Taylor, Charles W.; A&S-3	Floydada
Smith, William S.; A&S-1	Dallas	(1)Taylor, Codelia Faye; A&S-1	Rosebud
Smothers, Dolphina; A&S-4	Malakoff	Taylor, Dolores C.; A&S-4	Bay City
Smothers, James W.; A&S-1	Malakoff	(1)Taylor, Georgia H.; HE-4	Galveston
Sneed, Bernice; HE-4	Cuney	Taylor, Harold H.; A&S-2	Houston
Sneed, Ferrell Doyle; MA-1	Fort Worth	(1)Taylor, Henry; A&S-4	Hempstead
Snell, Lerline L.; A&S-3	Burkeville	Taylor, Iva Lee; A&S-1	Mt. Calm
Solomon, James M.; A&S-3	Prairie View	Taylor, Jernice; A&S-3	Marlin
(1)Solomon, Thomas, Jr.;		Taylor, Joyce M.; A&S-1	Floydada
A&S-4	Prairie View	Taylor, Lemuel; 2T-1	Waxahachie
Southall, Dorothy M.; HE-1	Bay City	(1)Taylor, Minnie Hester;	
Southall, Loraine; A&S-2	Matagorda	A&S-1	McKenney
Sowell, Jereline; HE-4	San Augustine	Taylor, Samuel; MA-2	Waxahachie
Spencer, Viola Ruth; A&S-1	Brenham	Taylor, Thelma; Ag-4	Kendleton
Spikes, Exie V.; A&S-1	Bon Wier	Taylor, Verma; HE-4	Bay City
Spikes, Jerlene; A&S-3	Beaumont	Taylor, Verdine; A&S-3	Oakwood
Spikes, Julius; A&S-1	Beaumont	Teal, Mary M.; A&S-1	Crockett
Spiller, John L.; A&S-1	Van Vleck	Teal, Winston; A&S-Grad	Nacogdoches
Spiney, Clara B.; A&S-3	Madisonville	Teno, John; A&S-3	Jamaica
Spinks, Mary Louise; A&S-1	Fort Worth	Thomas, Alice; A&S-1	Malakoff
Square, Ernest; Ag-3	Tyler	Thomas, Annie L.; A&S-3	Silsbee
Stafford, James Otis; A&S-2	Baytown	Thomas, Bobbie Jean; A&S-3	Dallas
Stallon, Elizabeth F.; A&S-2	Dallas	Thomas, Donald Lee; MA-4	Ft. Worth
Stallon, Sammie H.; A&S-2	Dallas	Thomas, Doretha; HE-4	Houston
Stanley, John; A&S-3	Linden	(1)Thomas, Douglas B.; Ag-3	Mogorta
Starr, Helen M.; HE-4	Palestine	Thomas, Earline P.; A&S-4	Hempstead
Stein, LaJoie; A&S-4	Mt. Enterprise	Thomas, Eunice; A&S-2	Sulphur Springs
Stein, Martha; HE-4	Mt. Enterprise	Thomas, Flora Mae; HE-1	Bay City
Stell, Maizie; A&S-3	Ennis	Thomas, Gloria L.; A&S-1	Dallas
Stephens, Barbara; A&S-3	Devers	Thomas, Janie L.; A&S-1	Houston
Stephens, Claude O.; A&S-2	Dallas	Thomas, Jewel C.; A&S-2	Garrison
Stephens, Evia C.; HE-4	Harlinger	Thomas, Joseph; Ag-1	Malakoff
Stern, Dorothy; A&S-3	Omaha	Thomas, Lavata L.; A&S-2	Henderson
Steverson, Leroy; Ag-4	Gladewater	Thomas, Marye; A&S-3	Malakoff
Steward, Belvin B.; A&S-1	San Antonio	Thomas, Mildred; A&S-1	Caldwell
Steward, Bevie; A&S-2	Dallas	Thomas, Paul Stanton; A&S-1	Galveston
Steward, Charlene T.; A&S-4	Fort Worth	Thomas, Rose Marie; A&S-4	Ft. Worth
Steward, Eva Mae; HE-4	College Station	Thomas, Rosa Lee; A&S-4	Dallas
Steward, Frances L.; NE-1	Big Spring	Thomas, Ruby Darlene; HE-2	Brenham
Steward, Garrett P.; A&S-1	Waco	Thomas, Sandra Lee; A&S-1	Fort Worth
Steward, Geraldine; A&S-2	Houston	Thomas, T. C.; MA-2	Fort Worth
Steward, James E.; A&S-1	College Station	Thompson, Berna R.; A&S-2	Dale
Steward, Joe Harold; A&S-4	Bryan	Thompson, Buford; A&S-4	Mineola
Steward, John R.; A&S-4	Bryan	Thompson, Clara F.; A&S-1	Lyons
Steward, L. V. Ag-4	Weimar	Thompson, Earlene Yvonne; A&S-1	Tyler
Steward, Larnoy Mae; A&S-1	Galveston	Thompson, Jimmy P.; A&S-4	Mineola
Steward, Morris J.; Ag-3	Kerens	Thompson, Maye E.; HE-3	Bay City
Stiggers, Nadine F.; HE-1	Naples	Thompson, Opal Dean; HE-1	Brownwood
Stewart, Myrele; A&S-3	Beaumont	Thompson, Sara J.; HE-3	Marshall
Stegger, Eddie Dean; MA-2	Hasky	Thompson, Vergie Lee; 2T-1	Hempstead

- (1)Thompson, Wilmer Marie; NE-1 ..... Houston  
 Thorn, Katherine D.; A&S-1 Nacogdoches  
 Thornton, Bobbye L.; A&S-2 ..... Dallas  
 Thornton, Mildred; HE-3 ..... Dawson  
 Thrash, Doris L.; HE-2 ..... Campbell  
 Tigner, Carl H.; A&S-3 ..... Houston  
 Tippens, Oressia B.; A&S-2 ..... Oakwood  
 Tippett, Dana V.; A&S-2 ..... Longview  
 Tippett, Gloria; A&S-2 ..... Longview  
 Tipps, Cathell; A&S-2 ..... Cushing  
 Todd, Frederick; A&S-3 ..... Dallas  
 Toland, Jessie Mae; A&S-3 ..... Brenham  
 Tolbert, Otia; A&S-2 ..... Dallas  
 Toliver, Carrie Mae; A&S-2 ..... Hempstead  
 (1)Toliver, Paul Lawrence; A&S-1 Bryan  
 Tolliver, Clara Beth; A&S-1 San Marcus  
 (1)Tompkins, Eddie; MA-1 ..... Hempstead  
 Toran, Pearl M.; A&S-1 ..... Anahuac  
 Townsend, Mary Ella; A&S-4 ..... Victoria  
 Trahan, Octavia; A&S-1 ..... Ray Wood  
 Travis, Leroy; A&S-4 ..... Galveston  
 Traylor, David, Jr.; Ag-1 ..... Pineland  
 Traylor, Earlie; HE-4 ..... Daingerfield  
 (1)Traylor, R. B.; Ag-1 ..... Kirbyville  
 Trimble, Edward; MA-4 ..... Overton  
 Trisnell, Hazell L.; HE-1 ..... Waller  
 Trotty, Archie; Ag-4 ..... Trinity  
 Truvillion, Alma; A&S-4 ..... Hillsboro  
 Truvillion, Dora; A&S-3 ..... Newton  
 Tryon, Evangeline; A&S-1 ..... Oklahoma  
 Tubbs, Anita June; A&S-1 ..... Texarkana  
 Tucker, Elece; HE-1 ..... Groesbeck  
 Tucker, Kathryn; A&S-1 ..... Denison  
 Turmon, Lula Mae; A&S-1 ..... Eutaw  
 Turner, David, Jr.; A&S-2 ..... Anderson  
 Turner, Mabel R.; Spec. ..... Birmingham  
 Turner, Priscilla; A&S-2 ..... Bryan  
 Turner, Wilbur; Ag-Grad ..... Naples  
 Tutt, Edna Mae; A&S-1 ..... Dallas  
 Tutt, Louise; A&S-4 ..... Dallas  
 Twine, Elizabeth; A&S-4 ..... Galveston  
 Tyler, Johnnie M. B.; A&S-Grad Dallas  
 Underwood, Jettie D.; NE-1 ..... Galveston  
 Upson, Dora Lee; HE-2 ..... Huntsville  
 Yann, William Harold; A&S-1 Huntsville  
 Vaughn, Johnnie Ray; A&S-1 ..... Boling  
 Venerable, Lela W.; A&S-2 ..... Dallas  
 Venerable, Wendell G.; A&S-2 ..... Dallas  
 Venters, Rufus; A&S-Grad ..... Corsicana  
 Vernon, Mary Ella; HE-2 ..... Fairfield  
 Vickers, Lyndsay M.; A&S-1 Fort Worth  
 Vital, Johnnie Mae; NE-1 ..... Port Arthur  
 (1)Vonner, Lorine; NE-4 ..... Lovelady  
 Vonner, Quinton; Ag-4 ..... Elm Mort  
 Waddleton, Elastus; MA-3 ..... Winnsboro  
 Waddleton, Elsie; HE-2 ..... Winnsboro  
 Waddleton, Maxine L.; A&S-1 Winnsboro  
 Waddleton, Ozell; 2T-2 ..... Winnsboro  
 Wade, Murline D.; HE-4 ..... Queen City  
 (1)Waddy, Hadley; A&S-3 ..... Dickerson  
 Waddy, Maggie M.; HE-Grad ..... Wharton  
 Wadley, Prentice; A&S-2 ..... Corsicana  
 Wagner, Bertie B.; A&S-1 ..... Bon Wier  
 Wagner, Ida B.; A&S-3 ..... Wichita Falls  
 Waites, Leroy; A&S-Grad ..... Prairie View  
 Walker, Albert, Jr.; MA-4 ..... Chickasha  
 Walker, Charlye; 1T-1 ..... Crockett  
 Walker, Clarice; A&S-4 ..... New Boston  
 Walker, Johnnie Marco; A&S-4 Hempstead  
 Walker, Johnnie M.; A&S-2 ..... Bryan  
 Walker, Odell M.; A&S-1 ..... Temple  
 Walker, Ruth Laverne; A&S-1 Brenham  
 Walker, Minnie Ruth; HE-3 ..... Overton  
 Wallace, Dorothy L.; A&S-1 ..... Bryan  
 Wallace, Cloyance; A&S-2 ..... Middleton  
 Wallace, Lorenzo N.; A&S-3 ..... James  
 Wallace, Thelma J.; A&S-1 ..... Houston  
 Waller, Carrie Lou; A&S-4 ..... Corsicana  
 Waller, Imogene Janet; A&S-1 ..... Corsicana  
 Walls, Andrew James; A&S-1 ..... Fort Worth  
 Walls, Cleopatra; HE-2 ..... Tyler  
 Walton, Billie Jean; A&S-1 ..... Rockdale  
 Walton, Curtis E.; A&S-4 ..... Carthage  
 Walton, Mose Henry; HE-3 ..... Houston  
 Walton, Tommie; MA-3 ..... Houston  
 Walton, L. Willard; Ag-2 ..... Winona  
 (1)Wardell, Mae Etta; A&S-4 ..... Navasota  
 Waring, Joseph Henry; MA-1 Douglassville  
 (1)Warner, Vernice; A&S-4 ..... San Antonio  
 Warren, Curtis; A&S-3 ..... Houston  
 Warren, Eralene; A&S-1 ..... Overton  
 Warren, Floyd; Ag-3 ..... Moody  
 Warren, Herman L.; Ag-2 ..... Tyler  
 Warren, Jeanette; A&S-3 ..... Naples  
 Warren, Jessie E.; HE-3 ..... Timpson  
 Warren, Quitman A., Jr.; Ag-Grad Linden  
 Washington, Christine; A&S-1 ..... Tenaha  
 Washington, Evelyn Bernice; A&S-1 ..... Hearne  
 Washington, George W.; A&S-4 Henderson  
 Washington, Hubert; 1T-1 ..... Granger  
 Washington, Georgia; A&S-3 ..... Dallas  
 Washington, Jessye; A&S-3 ..... Dallas  
 Washington, Joe O.; A&S-4 ..... Rosenberg  
 Washington, Jordan T.; A&S-4 ..... Lufkin  
 Washington, Garland; Ag-2 ..... Dallas  
 Washington, Joyce V.; A&S-1 ..... Dickinson  
 Washington, Leola; A&S-3 San Antonio  
 (1)Washington, Lillie Jane; A&S-3 Hearne  
 Washington, Lucy M.; A&S-3 ..... Mineral Wells  
 Washington, Myrtle; A&S-2 ..... Corsicana  
 Washington, Nannie B.; A&S-1 Houston  
 Washington, Phyllis C.; A&S-1 ..... Lufkin  
 Washington, Ruth E.; HE-3 ..... Lufkin  
 Washington, Travis J.; MA-3 ..... Bryan  
 Washington, Travis W.; Ag-3 ..... Point  
 Washington, Virgil L.; A&S-2 Dickinson  
 Watkins, Marion; A&S-4 ..... Fort Worth  
 Watley, Ulysses W.; A&S-1 ..... Italy  
 Watson, Charles Maxine; HE-3 Fort Worth  
 Watson Clarence L.; A&S-2 Brackettville  
 Watson, Clocel; HE-4 ..... Prairie View  
 Watson, Jean M.; NE-2 ..... Fort Worth  
 Watson, James F.; A&S-4 ..... Calvert  
 Watson, Pauline D.; A&S-4 ..... Hempstead  
 (1)Watson, Rawleigh; 1T-1 ..... Hempstead  
 Weathers, Jack J.; MA-3 ..... Hempstead  
 Webber, Hiawatha; A&S-4 ..... Normangee  
 Webster, Dorothy; A&S-2 ..... Hearne  
 Webster, Ermon; MA-2 ..... Hearne  
 Webster, Waymon; A&S-3 ..... Hearne  
 Wedgeworth, Anna B. R.; HE-Grad Paris  
 Wells, Cameron; A&S-4 ..... Houston  
 Wells, Gwendolyn F.; HE-2 ..... Prairie View  
 Wells, Mary A.; A&S-2 ..... Baytown  
 West, Zenobia Edity; A&S-1 ..... Pittsburg  
 Westbrook, Helen M.; HE-3 ..... Bastrop  
 Westbrooks, Jewelene; A&S-2 ..... Buna  
 Westmoreland, Verland; 1T-1 ..... Willis  
 (1)Wheat, Hertha Ann; A&S-1 ..... Oakwood  
 Wheatley, Alfred G.; A&S-1 ..... Malakoff  
 Whitaker, Ben; Ag-4 ..... Nacogdoches  
 White, Betty J.; A&S-3 ..... Dallas  
 (1)White, Billie, Ag-4 ..... Athens  
 (1)White, Doris C.; A&S-1 ..... Old Ocean  
 White, Dorothy J.; A&S-3 ..... Beaumont  
 White, Jake; MA-3 ..... Austin  
 White, James C.; A&S-2 ..... Golden  
 White, Lillie Mae; A&S-1 ..... Navasota  
 White, Thomas; Ag-Grad ..... Yoakum  
 (1)Whitehead, Everett; A&S-2 ..... Houston  
 Whiting, Milton; Ag-2 ..... Washington  
 Wickliff, Raymond; A&S-2 ..... Liberty  
 Wickliffe, Robert C.; A&S-2 ..... Port Arthur  
 Wicks, Bettie Jean; HE-1 ..... Grand Prairie  
 Wilcots, Earline; A&S-3 ..... Dallas  
 Wilcoxon, Alene; NE-1 ..... Overton  
 Wiley, Ollie Mae; HE-4 ..... Crockett

- Wiley, Oscar; Ag-3 ..... Houston  
 Wilkerson, Eliza; A&S-2 ..... Cameron  
 Wilkinson, Rudolph; A&S-2 ..... Fort Worth  
 (1) William, Garland; A&S-1 ..... Texarkana  
 Williams, Agnes L.; HE-4 ..... Galveston  
 Williams, Alma A.; A&S-2 ..... Granger  
 Williams, Alton B.; MA-3 ..... College Station  
 Williams, Anna S.; A&S-3 ..... Houston  
 Williams, Arster Nell; A&S-4 ..... Kilgore  
 Williams, Barbara D.;  
 A&S-4 ..... Tennessee Colony  
 Williams, Beatrice M.; A&S-2 ..... Dallas  
 Williams, Arthur; MA-3 ..... Huntsville  
 Williams, Bernice T.; A&S-1 ..... Houston  
 Williams, Bettye Jean; HE-2 ..... Dallas  
 Williams, Betty Bell; A&S-1 ..... La Marque  
 Williams, Bobby J.; A&S-2 ..... Dickinson  
 Williams, Brenette; HE-4 ..... Crockett  
 Williams, Callie J.; A&S-1 ..... Dallas  
 Williams, Cecil; Ag-4 ..... Huntsville  
 Williams, Donnie M.; A&S-1 ..... Lubbock  
 Williams, Clemontene; A&S-1 ..... Malakoff  
 Williams, Cleveland; Ag-4 ..... Point  
 Williams, Deloris G.; A&S-1 ..... Houston  
 Williams, Doris Gayle; A&S-1 ..... Amarillo  
 Williams, Erma Lee; A&S-1 ..... Houston  
 Williams, Estella; A&S-4 ..... Calvert  
 Williams, Girtha Lee; A&S-1 ..... Bay City  
 Williams, Gloria L.; A&S-1 ..... Dallas  
 Williams, Helen R.; A&S-1 ..... Longview  
 (1) Williams, Herman, MA-4 ..... Bryan  
 (1) William, Ida Maye; HE-4 ..... Bellville  
 Williams, James; Ag-4 ..... Longview  
 Williams, Jesse W., Jr.;  
 A&S-3 ..... Tennessee Colony  
 Williams, Jewel L.; A&S-2 ..... Fort Worth  
 Williams, Jimmie M.; HE-4 ..... Hooks  
 Williams, Joan A.; A&S-1 ..... Dallas  
 Williams, Joe A.; A&S-3 ..... Austin  
 Williams, John E.; A&S-2 ..... Camden  
 Williams, John E. Jr.; A&S-Grad ..... Mexia  
 Williams, Joel, Jr.; A&S-4 ..... Bay City  
 Williams, John H.; Ag-4 ..... Hempstead  
 Williams, Josie B.; HE-Grad ..... Brenham  
 Williams, Joyce M.; A&S-2 ..... Bryan  
 Williams, L. V.; A&S-1 ..... Urbana  
 (1) Williams, Laura Louise;  
 A&S-4 ..... Wichita Falls  
 Williams, Laverne; HE-4 ..... Tyler  
 Williams, Leslie E.; Ag-2 ..... Granger  
 Williams, Maggie B.; NE-1 ..... McGregor  
 Williams, Martin N.; Ag-1 ..... San Antonio  
 Williams, Mary L.; A&S-2 ..... Overton  
 Williams, Mary Lee; A&S-3 ..... Corsicana  
 Williams, Mozell L.; A&S-1 ..... Daallas  
 Williams, Oliver W.;  
 A&S-2 ..... Sulphur Springs  
 Williams, Pearl E.; A&S-2 ..... Tyler  
 Williams, Pearlene; A&S-1 ..... Hallettsville  
 Williams, Perry; Ag-1 ..... Milam  
 (1) William, Roythell; A&S-1 Mt. Enterprise  
 Williams, Sam; A&S-2 ..... Houston  
 Williams, Serlina D.; A&S-4 ..... Tyler  
 Williams, Simuel, Jr.; A&S-2 ..... Fort Worth  
 Williams, Vecola; HE-3 ..... Bogota  
 Williams, Vernell V.; MA-3 ..... Houston  
 Williams, Weldon C.; A&S-1 ..... Brenham  
 Williams, Willie M.; HE-2 ..... Jasper  
 Williams, Wilma A.; A&S-1 ..... Jacksonville  
 Williams, Zelma L.; A&S-3 ..... Italy  
 Williamson, Delores M.; A&S-1 ..... Houston  
 Willis, John H.; Ag-4 ..... Longview  
 Willis, Wilma; A&S-2 ..... Bremond  
 Wills, Alice L.; HE-4 ..... Lockhart  
 Wills, Alma Faye; A&S-2 ..... Lockhart  
 Willis, George M.; Ag-3 ..... Nacogdoches  
 (1) Wilson, Alicia A.; A&S-1 ..... Evanston  
 Wilson, Betty Jewel; A&S-1 ..... Houston  
 Wilson, Buhl Violue; HE-2 ..... Hempstead  
 Wilson, Dorothy M.; A&S-3 ..... Jacksonville  
 Wilson, Earnest L.; 1T-1 ..... Ennis  
 (1) Wilson, Eddie; MA-1 ..... Athens  
 Wilson, Paris A.; Ag-4 ..... Seguin  
 Wilson, Ida Mae; NE-4 ..... Fort Worth  
 Wilson, Artie, Jr.; MA-2 ..... Houston  
 Wilson, Norma Mae; A&S-1 ..... Hearne  
 Wilson, Sherman S.; A&S-Grad ..... Corsicana  
 Wilson, Willie Martin; Ag-3 ..... Longview  
 Wilson, Willie S.; Ag-3 ..... Hughes Springs  
 Winkley, Eugene E.; A&S-2 ..... Atlanta  
 Womack, James Monroe; Ag-1 ..... Groveton  
 Womack, Peyton; A&S-3 ..... Houston  
 (1) Woodard, Cleo Marie;  
 A&S-1 ..... East Bernard  
 Woodard, Marjje Ree; A&S-2 ..... Brazoria  
 Woodard, Theoplis A.; A&S-4 ..... Cedar Lake  
 Woodfork, Burna D.; HE-3 ..... Lyons  
 Woodfolk, Douglass G.; Spec ..... Prairie View  
 Woodfork, Sarah Ann; HE-1 ..... Giddings  
 Woods, Dolores Maxine;  
 A&S-4 ..... San Antonio  
 Woods, Dorothy M.; A&S-2 ..... Forney  
 (1) Woods, Eva B.; A&S-4 ..... Jasper  
 Woods, Georgia E.; HE-4 ..... Overton  
 Woods, Theola P.;  
 A&S-Grad ..... Prairie View  
 Woods, Leon A.; A&S-Grad ..... San Antonio  
 (1) Woods, Ruby Lynn; NE-1  
 Woodson, Auria J.; HE-4 ..... Houston  
 Woodson, Grady, Jr.; 2T-2 ..... Weimar  
 Woolridge, Ezell; A&S-2 ..... Longview  
 (1) Wortham, Rosa; HE-2 ..... Pennington  
 Wright, Arthur L.; A&S-3 ..... Bremond  
 Wright, Bettye J.; A&S-3 ..... Lockhart  
 Wright, Cecil Yvonne; A&S-1 ..... Fort Worth  
 Wright, Clinton; Ag-4 ..... Kirbyville  
 Wright, Eliza Marie; NE-1 ..... Hitchcock  
 Wright, Ethel L.; HE-4 ..... Liberty  
 (2) Wright, Gwendolyn; A&S-2 ..... Marshall  
 Wright, Herman; Ag-3 ..... Kirbyville  
 Wright, Jessie M.; HE-4 ..... Temple  
 Wright, Louis J.; Ag-2 ..... Brazoria  
 Wright, Marlene; A&S-2 ..... Houston  
 Wright, Pearl V.; HE-3 ..... Kirbyville  
 Wright, Thelma Lee; A&S-1 ..... Liberty  
 Wyche, Betty Jean; A&S-1 ..... Houston  
 Wright, Thurman R.; A&S-4 ..... Houston  
 Wrighting, Artia Lee; HE-1 ..... Hillsboro  
 Wrighting, Doris M.; A&S-1 Mt. Enterprise  
 Wyche, Charlie; A&S-3 ..... Galveston  
 Wynn, Fannie Mae; A&S-1 ..... Crockett  
 Wynne, Willie; A&S-1 ..... Crockett  
 Yarbrough, Oura; Ag-1 ..... Garrison  
 Yates, Roy L.; Ag-3 ..... Shepherd  
 (1) Yepp, Frank C.; A&S-3 ..... Calvert  
 Young, Betty J.; A&S-3 ..... Timpson  
 Young, Georgia L.; A&S-2 ..... Paris  
 Young, Margaret D.; HE-1 ..... Houston  
 Young, Margaret L.; A&S-2 ..... Paris  
 Young, Samuel L.; A&S-1 ..... Richmond

## EXTENSION SCHOOLS ENROLLMENT

Symbols: F—Female; M—Male; Town or City—Location or type of extension work; 1—1st quarter or semester; 2—2nd quarter or semester; no figure indicates school was open only 1 quarter or student attended only one quarter, or that school was open both quarters and student attended both quarters.

- Abercrombie, Theresa F, Galveston, 1  
 Abercrombie, Ursula Pauline, F., Galveston, 1  
 Adams, George Washington, M, Van Vleck  
 Adams, Gertrude, F, Cuero  
 Adams, Thebyrda, F, Beaumont, 2  
 Alexander, Arthur, M, Van Vleck  
 Alexander, Johnnye Naomi, F, Beaumont, 2  
 Alexander, Louise Lellanie, F, Mexia  
 Alford, Earlene Bettey, F, Fort Worth, 1  
 Allen, Albert, M, Galveston, 1  
 Allen, Jewelle, F, Amarillo, 1  
 Amboree, John, M, Van Vleck, 2  
 Amey, Bertha Lee, F, Van Vleck  
 Anderson, Lillian A., F, Cuero, 1  
 Anderson, Mae Hopkins, F, Beaumont, 2  
 Anderson, Nada Knox, F, Amarillo, 1  
 Anderson, Vallie Mae, F, Galveston, 2  
 Andrews, Sadie Mae, F, Corsicana, 1  
 Arch, Clara Belle, F, Bellville, 1  
 Armbrister, Lizzie B., F, Brenham, 1  
 Armstrong, Fred Willard, M, Paris, 2  
 Ashton, Horace, M, Van Vleck  
 Attaway, Mildred K., F, Corsicana  
 Avant, Gertrude Mary, F, Cuero  
 Bailey, Catherine, F, Mexia, 2  
 Baker, Gussie Bertha, F, Mexia, 1  
 Banks, Olivia Mosley, F, Bryan, 1  
 Barber, Prudie Viola, F, Brenham  
 Barnes, Gena J., F, Prairie View, 2  
 Barnes, Howard A., M, Fort Worth  
 Bates, Ruth Hill, F, Pilot Point, 2  
 Baugh, Eddie Allen, M, Van Vleck  
 Beachum, Preston, M, Corsicana, 1  
 Bell, Augusta Lee, F, Texarkana  
 Bell, Lorene Marie, F, Texarkana, 1  
 Bell, Mary Helen, F, Austin  
 Bell, Ulysses Simpson, M, Bryan  
 Benford, Margie Mozella, F, Greenville, 1  
 Benford, Ruby Jewel, F, Bryan, 2  
 Benton, Willo, F, Corsicana  
 Berry, Alzena Love, F, Pilot Point, 2  
 Berry, Luvenia Sherman, F, Texarkana, 2  
 Bias, Ada Margaret, F, Beaumont, 2  
 Birdwell, Clarissa, F, Prairie View, 2  
 Blackmon, Hattie H. W., F, Beaumont, 2  
 Blackmon, Henry, M, Beaumont, 2  
 Blakely, Nettle L., F, Mexia, 1  
 Blanche, Mary Turner, F, Fort Worth  
 Blocker, Shelley Huston, F, Prairie View, 2  
 Bolden, Vernon Van, M, Texarkana, 1  
 Boone, Arthur Millar, M, Van Vleck  
 Boone, Mamie E., F, Prairie View, 2  
 Boudreaux, Gertrude S., F, Beaumont, 2  
 Boyd, Donnye Stokes, M, Pilot Point  
 Boyd, Mitchell D., M, Pilot Point  
 Boyer, Jewell Fay, F, Fort Worth  
 Boykin, Bernice, F, Texarkana  
 Brent, Mableen, F, Beaumont, 2  
 Brewer, Jerissa, F, Corsicana, 2  
 Briscoe, Jewell Evelyn, F, Fort Worth, 1  
 Briscoe, Robert S., M, Mexia, 1  
 Brown, A. L., Bastrop  
 Brown, Artelia, F, Bastrop  
 Brown, Catherine Annie, F, Bryan, 2  
 Brown, Charles Etta, F, Giddings, 1  
 Brown, Georgia Carroll, F, Corsicana, 2  
 Brown, Lillie Ethel, F, Giddings, 1  
 Brown, Mary Allen, F, Giddings, 1  
 Brown, Mavis Maxine, F, Greenville, 1  
 Brown, Rosetta, F, Austin  
 Brown, Vordia Helen, F, Texarkana  
 Brown, Willie, M, Galveston  
 Bruce, John Leslie, M, Pilot Point, 2  
 Brush, Susie L., F, Galveston  
 Bryant, Ada Mac Price, F, Giddings, 1  
 Bullock, Julyan B., F, Fort Worth, 1  
 Burks, Vera Louise, F, Corsicana, 1  
 Burnley, Ernestine V., Greenville, 1  
 Burrell, Mattie Lou, F, Brensam, 1  
 Byars, Lula Vance, F, Austin  
 Campbell, Ella Mae, F, Austin, 2  
 Campbell, Julia M., F, Bryan  
 Canty, Idell Vivian, F, Bellville, 1  
 Carmen, Winfield Betty Jo, F, Galveston, 1  
 Carr, Irene Guess, F, Pilot Point, 2  
 Carroll, Tennie Richard, M, Corsicana, 1  
 Carter, Laura DeShay, F, Bastrop  
 Carter, Lewis B., M, Giddings  
 Cato, Thelma Lee, F, Giddings, 1  
 Champion, Clyde Calvin, M, Greenville, 1  
 Chandler, Ellen Fay, F, Giddings  
 Charleston, Cecelia L. Taylor, F, Cuero  
 Cherry, Nathaniel, Jr., M, Fort Worth, 1  
 Clark, Corrine Boyd, F, Pilot Point, 2  
 Clark, Emma Corine, F, Pilot Point, 1  
 Clark, Joyce Lee, F, Galveston  
 Clarke, Willie Arlyne, M, Galveston, 1  
 Clay, Jessie B., F, Brenham, 1  
 Clay, Lela E., F, Beaumont, 2  
 Clay, Mildred, F, Corsicana  
 Clemons, O. C., M, Texarkana, 1  
 Cockrell, Jimmie Louis, M, Van Vleck, 2  
 Cole, Theresa Houston, F, Austin, 1  
 Coleman, Clara Luper, F, Pilot Point, 2  
 Collins, Harold, M, Texarkana, 2  
 Colvin, Mary G., F, Van Vleck, 1  
 Cook, Johnnie Mae, F, Corsicana  
 Cooper, Lelia Blanche, F, Brenham, 1  
 Cornelius, Lula, F, Texarkana, 2  
 Cotton, Walter F., M, Corsicana, 1  
 Countee, Annie Mae, F, Cuero, 1  
 Cover, Boyo Etta F, Galveston  
 Cox, Doyleen Maurice, F, Texarkana  
 Crawford, Corinne B., Texarkana, 1  
 Crayton, Patricia Alice, F, Giddings  
 Crey, Marylee W., F, Van Vleck, 1  
 Cunningham, Irene Dixon, F, Beaumont, 1  
 Curtis, Jonathan N., M, Mexia, 2  
 Curtis, Bernard William, M, Galveston  
 Curtis, Maggie D. F., F, Mexia, 1  
 Curvey, Elbert R., M, Prairie View, 1  
 Dabney, Hattie Ethel, F, Bellville, 1  
 Daniels, Inez Hoskins, F, Bryan  
 Daniels, Willie La Ruth, F, Texarkana, 1  
 Damsby, Dewey Conrad, M, Tyler, 2  
 Davenport, Delores Cooper, F, Beaumont, 2  
 Davenport, William Paniel, M, Corsicana, 1  
 Davidson, Clell Eugene, M, Greenville, 1  
 Davidson, O'Thelma, F, Greenville, 1  
 Davis, Alvie Oliva, F, Van Vleck, 1  
 Davis, Myrtle P., F, Corsicana  
 Deal, James Edward, M, Galveston  
 Dehorney, Doris Samuel McKinney, F, Pilot Point, 1  
 Denman, Frankie Lee, F, Giddings  
 Derry, Dorothy Bilton, F, Gonzales  
 DeShay, Mattie Robb, F, Corsicana  
 DeShay, Reva Southern T., F, Pilot Point  
 DeShay, William Alexander, M, Bastrop  
 Diggs, Jessie Lee, F, Bellville, 1  
 Diggs, Thelma Ethel, F, Bellville, 1  
 Dobbins, Dora Nell, F, Greenville, 1  
 Dobbins, Lois Clarke, F, Giddings

- Dodd, Gladys Joyce, F, Texarkana  
 Dodd, Melvin Debois, M, Texarkana, 1  
 Donovan, Emma L., F, Giddings  
 Donovan, Mattie L., F, Giddings, 1  
 Dotson, Josephine R. S., F, Bellville, 1  
 Douglas, Beulah Mae, F, Texarkana  
 Douglas, Burnice P., F, Pilot Point  
 Downs, Bessye Luise, F, Greenville, 1  
 Durst, Floris Kelley, F, Bastrop  
 Eaton, Elmira P., F, Gonzales  
 Edwards, Addie Marshall, F, Corsicana, 2  
 Edwards, Constance L. D., F, Beaumont, 2  
 Edwards, Mammie E., F, Cuero  
 Elias, Minnie Mae, F, Gonzales  
 Elliott, Mae Kyle, F, Mexia, 1  
 Estelle, Annie Belle Isaacs, F, Brenham  
 Estelle, Ruby Verneta, F, Brenham  
 Estes, Edna Mae, F, Giddings, 1  
 Esther, Odella Mae, F, Galveston  
 Etter, Helen Vivian, F, Galveston  
 Eugene, Admonia Maud, F, Beaumont, 2  
 Evans, Frankie B., F, Gonzales, 1  
 Evans, Pearl Bush, F, Bellville, 1  
 Ewing, Lloyd Edward, M, Beaumont, 2  
 Fair, Eugenia Leatrice, F, Austin, 2  
 Fant, Mildred Leola, F, Gonzales  
 Fennell, Annie B., F, Bryan  
 Fields, Dura Lee Davis, F, Mexia, 1  
 Flanagan, Onicata S., F, Brenham  
 Flournoy, Laura Elnora, F, Greenville, 1  
 Flowers, Hattie Mae Hubert, F, Brenham, 1  
 Fontenot, Walter Paul, M, Prairie View  
 Foster, Juanita Lorea, F, Greenville, 1  
 Flower, Maxine, F, Beaumont, 2  
 Fowler, Nina Virginia, F, Greenville, 1  
 Franklin, Alice Mae, F, Brenham  
 Francis, Hilda Bouldin, F, Van Vleck, 1  
 Franklin, Mary E. Cole, F, Prairie View, 2  
 Franklin, Olivia D., F, Bastrop  
 Freeman, Betonio, M, Prairie View, 2  
 Freeman, Freddie Williams, M, Mexia  
 Fudgen, Wendell Phillip, M, Greenville, 1  
 Fuller, Earline L., F, Cuero  
 Gage, Willie Octavia, F, Austin, 1  
 Galbraith, Anna Beatrice, F, Texarkana  
 Gardner, Freddie, M, Corsicana  
 Gardner, Reville Wallace, M, Van Vleck, 2  
 Gardner, Thelma Irene, F, Galveston  
 Garland, Lady Cleve, F, Texarkana  
 Garland, Mable Toletha, F, Texarkana  
 Gaston, Carrie M., F, Corsicana  
 Gayner, Willa Ware, F, Texarkana, 1  
 Gee, Mike H., M, Van Vleck, 2  
 Gibson, Blossie Marie, F, Mexia, 1  
 Gill, Pollie V., F, Beaumont, 2  
 Gipson, Audric, M, Greenville, 1  
 Gipson, Avis Katrina, F, Amarillo, 1  
 Gipson, Vera Mildred, F, Texarkana  
 Glover, Theodore Voyland, M, Tyler, 2  
 Gordon, Frances Lovey, F, Pilot Point, 1  
 Gordon, Jodie, Jr., M, Galveston  
 Govan, Zenobia, F, Giddings  
 Grant, Callie V., F, Cuero  
 Gray, Shedrick, M, Giddings, 2  
 Gray, Alice Kelley, F, Corsicana  
 Gray, Annie Mary, F, Bryan  
 Grays, Eddie Mae, F, Bryan, 2  
 Gray, Lindsey, M, Bryan  
 Gregg, Eleanor Mae, F, Bryan, 1  
 Gregory, Robert L., Jr., M, Fort Worth, 1  
 Grimes, Olga Jones, F, Beaumont, 2  
 Guess, Irene Gwendolyn, F, Pilot Point, 1  
 Hall, Del Verna, F, Greenville, 1  
 Hall, James, M, Greenville, 1  
 Hall, Leroy, M, Texarkana, 1  
 Hall, Mildred Dale, F, Austin  
 Hall, Ruth Thomas, F, Galveston  
 Hall, Sallie A., F, Mexia, 2  
 Haller, Richard Leon, M, Galveston  
 Hammond, Inez J., F, Mexia, 1  
 Hardee, Johnnie D., F, Corsicana  
 Hardeman, Minnie Lucille, F, Pilot Point  
 Harkey, Jewel W., F, Fort Worth, 1  
 Harper, Lillie M., F, Mexia  
 Harris, Hilliard H., M, Giddings, 2  
 Harris, Lorraine, F, Fort Worth, 2  
 Harris, Marcus Wilson, M, Greenville, 1  
 Harris, Willie James, M, Van Vleck, 2  
 Harrison, Ray Alfred, M, Gonzales, 2  
 Hawkins, Earl Robert, M, Bryan  
 Hawkins, Leila L., F, Texarkana  
 Hawthorne, Amey, Jr., M, Van Vleck  
 Haynes, George, M, Galveston  
 Haywood, Corine, F, Cuero  
 Heard, Ruby Edward, F, Fort Worth, 1  
 Henderson, Mae Ester, F, Brenham  
 Henderson, Mattie W., F, Texarkana  
 Hendricks, Boyd Williams, M, Van Vleck, 1  
 Henry, Arnett Alexander, M, Brenham, 2  
 Henry, Minnie O., F, Tyler, 2  
 Hickey, S. J., M, Giddings  
 Hicks, Jodye S., F, Texarkana, 1  
 Hicks, Wilmer Kinzie, Sr., M, Texarkana, 1  
 Hightower, Bernice, F, Galveston  
 Hill, Albert H., M, Galveston, 2  
 Hobbs, Euma Lee Murphy, F, Mexia, 2  
 Hodge, Julia Ethel Mae, F, Bryan  
 Hodge, Adolphus, M, Prairie View  
 Hodge, Eric M. Jones, F, Prairie View  
 Holiday, Cordelia A. Scott, F, Brenham  
 Holiday, Ida Marie, F, Prairie View, 2  
 Hollis, Howard Lee, M, Beaumont, 2  
 Hooks, Arlinnie B, F, Texarkana, 1  
 Hopkins, Albert George, M, Galveston  
 Houston, Zula Mae, F, Cuero  
 Howard, Madelyn Elaine, F, Bryan  
 Hubbard, Hezekiah Lee, M, Van Vleck, 2  
 Hubbard, Lavada Gunter, F, Corsicana  
 Hubbard, Ruby Smothers, F, Corsicana  
 Hubert, Maye George, F, Pilot Point  
 Huckaby, Florine, F, Pilot Point, 2  
 Huckaby, J. L., M, Pilot Point, 2  
 Hudson, Marie Thomas, F, Corsicana  
 Hughes, Charles Samuel, M, Galveston  
 Humphreys, Drucie Ray, F, Austin, 2  
 Hunter, Bernice Marie, F, Bastrop  
 Hunter, Lawrence Wendell, M, Galveston  
 Hutchinson, Irma Jean, F, Tyler, 2  
 Jackson, Buford Andrew, M, Greenville, 1  
 Jackson, Eugenia Butler, F, Beaumont, 2  
 Jackson, Garrison, M, Mexia, 2  
 Jackson, Hallie Gray, F, Gonzales  
 Jackson, Lloyd, M, Van Vleck  
 Jackson, Riley Charles, M, Austin  
 Jacquo, Samuel, M, Galveston  
 James, Annie Laura, F, Cuero  
 Jarmon, Willie B., F, Gonzales  
 Jefferson, Vernon Edgar, M, Bryan  
 Johns, Theodore Hays, M, Gonzales  
 Johns, Willia Maxine, F, Beaumont, 2  
 Johnson, Aurelia Le Blanc, F, Beaumont 2  
 Johnson, Birdie Jones, F, Beaumont, 2  
 Johnson, Bunyon W., Sr., M, Mexia, 2  
 Johnson, Callie Louise, F, Texarkana, 1  
 Johnson, Cladie Mae, F, Bastrop, 1  
 Johnson, Eugene, M, Bellville, 1  
 Johnson, Fannie Lee, F, Texarkana, 2  
 Johnson, Hazel, F, Gonzales, 2  
 Johnson, Johnny Mae, F, Mexia, 1  
 Johnson, Lenora Althia, F, Austin, 2  
 Johnson, Naomi Evelyn, F, Bastrop  
 Johnson, Sara Mae, F, Texarkana, 1  
 Jones, Alyce Edythe, F, Giddings  
 Jones, Annie Dale, F, Mexia  
 Jones, Earl Samuel, M, Galveston, 2  
 Jones, Esther Thelma, F, Beaumont, 2  
 Jones, Eula M., F, Greenville, 1  
 Jones, Frankie Williams, F, Gonzales  
 Jones, Janie Williams, F, Fort Worth  
 Jones, Leoma Signer, F, Prairie View, 1



- Jones, Mabel C., F. Cuero  
 Jones, Mamie, F. Corsicana, 1  
 Jones, Margaret Lee, F. Beaumont, 2  
 Jones, Margaret Marie, F. Texarkana, 1  
 Jones, Minnie Belle, F. Texarkana  
 Jones, Ruth Elaine, F. Greenville, 1  
 Jones, Thelma Langham, F. Galveston, 2  
 Joseph, Hamilton, M. Galveston, 2  
 Josey, Crezella Ouida, F. Bellville, 1  
 Keaton, Edna Olene, F. Fort Worth, 1  
 Kemple, Thomas Lee, M. Bryan  
 Kilcrease, Elizabeth R., F. Beaumont, 2  
 Kimbell, Juanita Dennis, F. Beaumont, 2  
 King, Arizona Arnold, M. Mexia, 1  
 King, Bernice Mitchell, F. Beaumont, 2  
 King, Carrie, F. Van Vleck  
 King, Eulalia, F. Gonzales  
 Kinney, Lillian, F. Prairie View, 2  
 Kirven, L. C., M. Mexia, 1  
 Knox, Mable E. Wells, F. Bryan  
 Kuykendall, Minor James, M. Bryan  
 Lacy, Arizona Lee, F. Corsicana, 1  
 Lacy, Myrtle, F. Giddings  
 Langdon, Eddie Scott, F. Austin  
 Langston, Estella Howard, F. Texarkana  
 Langston, Nettie C., F. Galveston  
 Laster, Ella O., F. Brenham  
 Lauza, Eula M., F. Mexia, 1  
 Lawrence, Mattie Lou, F. Pilot Point  
 Lawrence, Odis B., M. Pilot Point, 2  
 Lee, Birdie Ruth, F. Austin  
 Lee, Mamie Bellfield, F. Austin  
 Lee, Birdie Ruth, F. Austin  
 Lenned, Nellie M., F. Bryan  
 LeQuey, Eloise C. B., F. Bastrop  
 Lewis, A. E., F. Fort Worth, 1  
 Linson, Helen Wyrick, F. Texarkana, 1  
 Lister, Lawrence E., M. Corsicana  
 Lister, Terie E., F. Corsicana  
 Love, Charles, M. Prairie View, 2  
 Love, Jewell W., F. Prairie View, 2  
 Loving, Gwendolyn M., F. Fort Worth, 2  
 Luckett, Grace Marie, F. Galveston, 2  
 Luster, Lessie Beatrice, F. Texarkana  
 Lyons, Lennie V., M. Prairie View, 1  
 McAlister, Ruth Anna, F. Austin  
 McBay, Lucile Vivian, F. Mexia, 1  
 McDade, Jessie, F. Bastrop, 1  
 McDonald, Carrie Brown, F. Mexia  
 McDonald, Falonia Iris, F. Beaumont, 2  
 McDonald, Vivian Lee, F. Austin  
 McGowen, James Ivory, M. Galveston  
 McGregor, Oran B., M. Pilot Point, 1  
 McNeil, Claddie Johnson, F. Bastrop, 2  
 McPhaul, Maymie W., F. Bastrop  
 McPhaul, Willis Christoid, M. Brenham, 2  
 McWallace, Alma Sewell, F. Gonzales, 1  
 Madison, Birdie J. M., F. Prairie View, 2  
 Marcee, G. Elroy, F. Gonzales  
 Marshall, Mittie C., F. Cuero, 1  
 Marshall, Zenobia, F. Corsicana, 1  
 Martin, Sarah Ethel, F. Beaumont, 2  
 Mathis, Myrtle Irene, F. Gonzales  
 Matlock, Davis Elaine, F. Texarkana, 2  
 Matthews, Eugene H., Jr.,  
   M. Prairie View, 1  
 Matthews, Juanita G., F. Beaumont, 2  
 Matthews, Rosa Eloise, F. Beaumont, 2  
 Maxey, Frances Ardria, F. Pilot Point  
 Maxwell, Guas Elmon, M. Fort Worth, 2  
 Mayes, Dorothy Rachel, F. Giddings  
 Mayfield, Sallie D. Smith, F. Van Vleck, 2  
 Mays, Ethel Maydene, F. Austin  
 Mays, Mamie L. M., F. Galveston, 1  
 Miles, Gladys Brewer, F. Austin, 2  
 Miller, Eloise, F. Van Vleck  
 Mitchell, Lela Bracy, F. Bellville, 1  
 Mitchell, Lillie Belle, F. Galveston, 1  
 Monroe, Louis Ted, M. Van Vleck, 1  
 Montero, Myrtle Lillian Baker,  
   F. Prairie View  
 Montgomery, Gwendolyn Taylor,  
   F. Texarkana, 1  
 Monttiller, Birdie Lee, F. Pilot Point, 1  
 Moody, Martha, F. Corsicana, 1  
 Moore, Ada Mae, F. Giddings, 2  
 Moore, Blanche Carter, F. Greenville, 1  
 Moore, Cleolar S., F. Giddings  
 Moore, Esther Ruth, F. Beaumont, 2  
 Moore, Geneva Cobb, F. Austin, 1  
 Moore, Julia D., F. Texarkana, 1  
 Moore, Zadie Beatrice, F. Corsicana, 1  
 Moore, Maggie Juanita, F. Corsicana  
 Moore, Rutha Mae, F. Giddings  
 Moore, Verlie C. Thomas, F. Giddings, 1  
 Morgan, Minnie Mitchell, F. Beaumont, 2  
 Morgan, Geneva McKinley, F. Galveston  
 Morrow, Viola, F. Bryan, 1  
 Mosley, Tenola Roberts, F. Bryan  
 Muckleroy, Alice C., F. Prairie View, 1  
 Muckleroy, Mattie Lee, F. Prairie View  
 Muldrew, Ester, F. Texarkana, 2  
 Murphy, Ella Mae, F. Bryan, 2  
 Murphy, Euma Lee, F. Mexia, 1  
 Nance, Dorothy Marshall, F. Austin  
 Nash, Houston, F. Galveston, 2  
 Norman, Nathan M. Galveston  
 Norman, Thomas Ettalene, M. Bryan  
 Northcross, Estelle, F. Texarkana  
 Orr, Christina Ladell, F. Corsicana  
 Orr, Leo Earsel, M. Corsicana, 1  
 Owens, Isaac William, M. Greenville, 1  
 Owens, Lillian Johnson, F. Greenville, 1  
 Patton, Lucille Jewel, F. Bastrop  
 Pendergraft, Lena Verdell Sims,  
   F. Galveston, 2  
 Pennie, Elois Marie, F. Galveston, 1  
 Pettit, Myrtle K., F. Gonzales  
 Phillips, Savella Tate, F. Pilot Point, 1  
 Phillips, Willie V., F. Bryan, 2  
 Pierre, Edward Paul, M. Texarkana  
 Pleasants, Lureater B., F. Cuero  
 Pleasant, Mildred V., F. Corsicana, 2  
 Pleasant, Thomas Vernet, M. Corsicana  
 Pleasant, Vivian, F. Corsicana  
 Portian, Mary Elizabeth, F. Galveston, 2  
 Portely, Tessie Mae, F. Tyler, 2  
 Powell, Myrtle Eulah, F. Beaumont, 2  
 Price, Mary Lee, F. Mexia, 1  
 Pryor, Bernice J., Tyler, 2  
 Price, Maryhl  
 Pryor, Emma L., F. Giddings, 2  
 Pryor, Gerther Lee, F. Giddings, 1  
 Pryor, Hardeman, Emma L., Gonzales, 1  
 Randle, Bertina Stamps, F. Brenham  
 Randle, Estell Vorice, F. Galveston, 1  
 Randle, Eulene Leonard, F. Bastrop, 1  
 Rasberry, Hosea, M. Beaumont, 2  
 Rasberry, Ozella Smith, F. Beaumont, 2  
 Ravare, Lillian Thomas, F. Beaumont, 2  
 Ray, Pearlle, F. Giddings, 1  
 Reed, Lillie Alberta, F. Bellville, 1  
 Reeves, Savannah, F. Texarkana, 2  
 Reeves, Annie, F. Texarkana, 2  
 Rhambo, Everett Freeman, Jr., M. Austin  
 Rhodes, Inez Arletter, F. Corsicana  
 Rice, Frederic Lucille, F. Fort Worth  
 Rice, Jimmie Marie, F. Beaumont, 2  
 Rice, James, M. Fort Worth, 1  
 Ricks, Jefferey Lee, F. Bryan  
 Rigbsy, Alexander B., M. Prairie View, 1  
 Robbins, Lilla Mae W., F. Van Vleck, 1  
 Roberson, Altemeta L., F. Giddings, 1  
 Robinson, Mary V., F. Van Vleck  
 Robinson, Lillie Lauca, F. Austin, 2  
 Robinson, Thelma C. F. Bellville, 1  
 Rogers, Maude Cooper, F. Beaumont, 2  
 Ross, Annie Mae, F. Corsicana, 1  
 Russell, Eleanor H., F. Galveston  
 Sadberry, Horatio Edwin, M. Bryan

- SADBERRY, Oliver W., M, Prairie View  
 SADBERRY, Sylvia S., F, Bryan  
 SADDLE, Kathryn, F, Fort Worth, 1  
 SAMPSON, Juanita Idell, F, Cuero  
 SAMPSON, Sylvester Arthur, M, Cuero, 1  
 SANDERS, Clyde E., M, Pilot Point, 2  
 SANDERS, Exa Boyd, F, Pilot Point  
 SAUNDERS, Owena Hall, F, Tyler, 2  
 SAXTON, Ernest W., M, Galveston, 1  
 SCHULER, Lillie Mae, F, Cuero  
 SCOTT, Gabriel Lena, F, Galveston, 1  
 SCOTT, Mary Elizabeth, F, Austin  
 SCOTT, Merlene Davis, F, Mexia, 1  
 SCRANTON, Lee Audrey, F, Bastrop  
 SECRETT, Thelma Lee, F, Brenham  
 SEIDEL, Willie Mae, F, Brenham, 1  
 SELLS, Onnie Fontaine, F, Beaumont, 2  
 SHARP, Alzettie D., F, Beaumont, 2  
 SHELTON, Lucile Shuler, F, Gonzales, 1  
 SHIPMON, Ethel L. Ford, F, Bryan, 2  
 SIDNEY, Sophie R., F, Van Vleck, 1  
 SIMMONS, Major, M, Galveston, 2  
 SIMPSON, Johnny Sam, F, Giddings  
 SIMPSON, Lee Grant, M, Texarkana, 1  
 SMITH, Alva Jean, F, Corsicana, 1  
 SMITH, Annie B. E., F, Austin  
 SMITH, Elizabeth Augusta, F, Austin, 2  
 SMITH, Eudora A. L., F, Brenham  
 SMITH, Jesse A., M, Gonzales  
 SMITH, Joshua Stephen, M, Fort Worth, 1  
 SMITH, Julia Marie, F, Texarkana  
 SMITH, Lillian Lottie, F, Austin, 1  
 SMITH, Nanine C., F, Beaumont, 2  
 SMITH, Rosa Malone, F, Prairie View  
 SMITH, Willie Pearl, F, Corsicana, 1  
 SMYTHE, Eloise, F, Greenville, 1  
 SPARKS, Troy M. S., Jr., Greenville, 1  
 SPENCER, Carrie H., F, Gonzales  
 SPENCER, Erma Jean M., F, Galveston  
 SPENCER, Isaac, M, Gonzales  
 SPIGNER, Willie D., M, Prairie View  
 STARKS, James Andrew, M, Greenville, 1  
 STEEN, Mae Bell, F, Austin  
 STEVENS, Elonza Ray, M, Van Vleck, 1  
 STEVENS, Erma Lee Boone, F, Van Vleck, 1  
 STEVENS, George Dewey, M, Fort Worth, 1  
 STEWART, Charles H., M, Galveston, 1  
 STEWART, Essie D., F, Texarkana  
 STEWART, Mildred Ben, F, Gonzales  
 STEWART, Safronia M., F, Texarkana  
 STRATTON, Polly E., F, Van Vleck, 1  
 STRAWTHOR, Everlena Turner, F, Mexia, 1  
 STYKES, Leno Octavious, M, Giddings, 1  
 SUBLETTE, Pearl Berry, F, Texarkana, 1  
 SWINNEY, Greta G. K., F, Corsicana  
 SWANSON, Leona Anita, F, Texarkana, 2  
 TAPSCOTT, Gertrude K., F, Prairie View, 1  
 TARTER, Klisby Earl, M, Beaumont, 2  
 TAYLOR, Charles Edward, M, Galveston  
 TAYLOR, Lillian W., F, Fort Worth, 2  
 TAYLOR, Warren James, M, Galveston  
 TEAL, Elthenia W., F, Bellville, 1  
 TERRY, Lieutenant A. B., F, Bellville, 1  
 TERRY, Servada Clean, F, Pilot Point  
 THEUS, Anna Belle, F, Galveston, 1  
 THOMAS, Chester Elmer, M, Corsicana, 1  
 THOMAS, Christine, F, Corsicana, 1  
 THOMAS, Forrest Melville, M, Galveston, 1  
 THOMAS, Harvey L., M, Beaumont, 2  
 THOMAS, Jerry, M, Giddings, 1  
 THOMAS, Reid, M, Galveston, 1  
 THOMPSON, Curtis Lee, M, Beaumont 2  
 THOMPSON, Hattie, F, Texarkana, 2  
 THOMPSON, Ruby Mae, F, Beaumont, 2  
 THORNTON, Bertha Lee, F, Fort Worth, 2  
 TIPPINS, Dorothy Jones, F, Galveston, 2  
 TISDALE, Annie Bacon, F, Austin  
 TOLBERT, Ester Raye, F, Bastrop  
 TOLBERT, Langston Percie, M, Tyler, 2  
 TOLIVER, Ella Janet, F, Brenham, 1  
 TOWNSEND, Willie M., F, Texarkana, 2  
 TUBBS, Verona Lee, F, Texarkana, 1  
 TURNER, Mary E. Nobles, F, Bryan  
 VAN DORN, Odessa, F, Pilot Point  
 VAN NEELY, Jheressa K., F, Pilot Point, 2  
 WADE, Lillian H., F, Fort Worth, 1  
 WAGNER, Florence B., Beaumont, 2  
 WALKER, Lummie Mae, F, Corsicana  
 WALLACE, Laura Mae, F, Galveston  
 WALTON, Lou Vernon, F, Van Vleck  
 WALTON, Wilma, F, Tyler, 2  
 WARE, Albert Lee, M, Prairie View, 2  
 WARE, Rossie Lee, F, Texarkana, 1  
 WASHINGTON, Alma Cathryn, F, Corsicana  
 WASHINGTON, Bette Jo, F, Austin, 2  
 WASHINGTON, Oliver J., M, Texarkana  
 WASHINGTON, Wilma E., F, Corsicana  
 WATKINS, Versie S., F, Giddings, 2  
 WATSON, Lelia Landry, F, Prairie View, 2  
 WEDGEWORTH, Alonzo W., M, Mexia  
 WEDGEWORTH, Emmitt B., M, Bellville, 1  
 WEDGEWORTH, Ruby Rae, F, Mexia, 1  
 WHITE, Bessie Cain, F, Brenham, 1  
 WHITE, Goldie Mae, F, Prairie View  
 WHITE, Mae Frances Richardson, F, Cuero  
 WHITESIDE, Willie A. Porter, F, Bryan  
 WILBORN, Mable S., F, Giddings  
 WILEY, Nettie Sharpe, F, Bryan  
 WILKINS, Helen Juanita, F, Greenville, 1  
 WILLIAMS, Barbara Mae, M, Galveston  
 WILLIAMS, Bernice Alma, F, Corsicana  
 WILLIAMS, Dallie, F, Prairie View  
 WILLIAMS, Erma Birdell, F, Austin  
 WILLIAMS, Emma Louise, F, Greenville, 1  
 WILLIAMS, Exie Vernice, F, Corsicana  
 WILLIAMS, Josie Brown, F, Brenham, 1  
 WILLIAMS, Lela Vashti, F, Corsicana  
 WILLIAMS, Malinda Faye, F, Corsicana  
 WILLIAMS, Phyllis Scales, F, Brenham, 2  
 WILLIAMS, Pinkie G., F, Van Vleck, 2  
 WILLIAMS, Ruby Natlee, F, Galveston  
 WILLIAMS, Samuel R., M, Fort Worth, 1  
 WILLIAMS, Wilhelm, F, Van Vleck, 1  
 WILLIAMS, Willie G., M, Corsicana, 1  
 WILSON, Annie Mae, F, Brenham, 1  
 WILSON, Vernice White, F, Giddings  
 WIMBISH, Callie Geneva, F, Cuero  
 WIMBISH, Oscar Leon, M, Cuero  
 WOODARD, Henry, M, Van Vleck  
 WOODARD, Horace, M, Van Vleck, 1  
 WOODARD, Nellie Eleanor, F, Beaumont, 2  
 WOODFORK, Irvin High, M, Brenham  
 WOODFORK, Maggie E., F, Giddings, 1  
 WOODSON, Inis Woodson, F, Gonzales  
 WOODWORTH, Mattie Lou, F, Brenham, 2  
 WORMLEY, Clara Effie, F, Giddings  
 WRIGHT, Mary M., F, Bastrop  
 WRIGHT, Thelma, F, Gonzales  
 WYSINGLE, Verma Mae, F, Galveston, 2  
 YANCY, Doris Brooks, F, Bryan  
 YANCY, Henry L. C., M, Austin  
 YOUNG, Cornelius, M, Pilot Point  
 YOUNG, Naomi, F, Van Vleck, 1  
 YOUNG, Sadie M., F, Texarkana, 1  
 YOUNG, Velma Green, F, Pilot Point  
 ZACHERY, Lillie Vee, F, Texarkana, 1

## PRAIRIE VIEW TRAINING SCHOOL 1950-51

Symbols: Numerals—Age; PP—Pre-Primer; G1—First Grade; G2—Second Grade; G3—Third Grade; G4—Fourth Grade; G5—Fifth Grade; G6—Sixth Grade; G7—Seventh Grade; G8—Eighth Grade; G9—Ninth Grade; G10—Tenth Grade; G11—Eleventh Grade; G12—Twelfth Grade; M—Male; F—Female.

Alexander, Romeo, 16, G9, M  
 Anderson, Alma Jean, 8, G2, F  
 Anderson, Dorothy, 15, G9, F  
 Anderson, Isiah, 7, G1, M  
 Anderson, Melvin, 11, G6, M  
 Alton, A., 15, G12, M  
 Barnes, Herman, 15, G5, M  
 Bean, Albert, 14, G8, M  
 Bean, Amie, 13, G7, F  
 Bean, Dale, 10, G4, M  
 Bean, James, 8, G3, M  
 Bennett, Alfred, 15, G8, M  
 Bennett, Glodene, 13, G8, F  
 Bennett, Iris Jean, 11, G5, F  
 Broughton, Darlene, 15, G9, F  
 Broughton, Harry K., 6, G1, M  
 Broughton, Margie, 10, G5, F  
 Broughton, Ogie, 13, G6, M  
 Brown, Doris Elaine, 9, G5, F  
 Brown, George, 11, G7, M  
 Brown, Ida, 15, G9, F  
 Brown, Jonel, 13, G10, M  
 Brown, Marshall, 18, G7, M  
 Calloway, Gloria Jean, 10, G5, F  
 Clark, Henry Don, 9, G3, M  
 Clark, Osborne, 16, G9, M  
 Clark, Pansy, 13, G7, F  
 Coruthers, Jane Edna, 15, G12, F  
 Dailey, Jeanette, 14, G9, F  
 Davis, Jessie Lee, 11, G5, F  
 Day, Juanita, 11, G6, F  
 Deese, Bobbie, 8, G2, M  
 Dooley, Lois Marie, 8, G3, F  
 Evans, Clyde, 16, G9, M  
 Evans, Gilbert, 17, G12, M  
 Evans, William H., 15, G9, M  
 Felder, Lebraska, 16, G7, M  
 Fry, Francis, 10, G5, M  
 Fry, Irene L., 15, G12, F  
 Fuller, Edwilyn, 9, G6, F  
 Gordon, Betty Mae, 15, G11, F  
 Hall, Hazel, 9, G4, F  
 Hall, Hortense, 7, G2, F  
 Hall, Walter, 8, G3, M  
 Haynes, Bernice, 18, G11, F  
 Haynes, Lovie, 16, G10, F  
 Henry, Edgar George, 11, G6, M  
 Henry, John Robert, 8, G4, M  
 Henry, Marth Ann, 15, G10, F  
 Hunter, Billie Joyce, 13, G8, F  
 Jackson, Evelyn, 15, G11, F  
 Jackson, Herman, 18, G9, M  
 Jackson, Katherine, 13, G7, F  
 Jeffery, June, 13, G11, F  
 Jenkins, Joyce, 9, G5, F  
 Johnson, Barbara, 16, G11, F  
 Johnson, Bernard, 14, G10, M  
 Johnson, Bernice, 14, G7, F  
 Johnson, Booker T., 8, G3, M  
 Johnson, Theodore, 6, G1, M  
 Kilpatrick, Hortense, 9, G5, F  
 Kilpatrick, Madison, 7, G2, M  
 Kinchelow, Juanita, 6, G1, F  
 Kinchelow, Tanya, 7, G3, F  
 Knotts, Lawrence, 9, G4, M  
 Lawson, Theodora, 6, G1, F  
 Lee, Linda, 6, G2, F  
 Lee, Myrna, 9, G6, F  
 Lenton, Charlene, 12, G6, F  
 Martin, Joyce, 7, G3, F  
 McKinzie, Vivian, 17, G11, F  
 McMillan, Lemmon, 6, G1, M  
 Mickens, JeElayne, 6, G1, F  
 Mosley, LaVaughn, 16, G11, M  
 Muse, Benjamin, 13, G7, M  
 Muse, Edgar, 6, G1, M  
 Muse, Delores, 13, G5, F  
 Muse, Erma Jean, 11, G5, F  
 Muse, Gloria Joyce, 14, G8, F  
 Muse, Mary Louise, 7, G2, F  
 Muse, Lillian Esther, 16, G9, F  
 Muse, Maudesta, 17, G10, F  
 Nicks, Fredric, 16, G10, M  
 Norris, Ernest, 17, G12, M  
 O'Neal, Phyllis, 6, G1, F  
 Owens, Ross, 7, G2, M  
 Pace, Cecil, 10, G4, M  
 Pace, Emma, 15, G11, F  
 Pace, Millie, 17, G12, F  
 Pace, Royce, 11, G7, M  
 Phillip, Cecelia, 13, G8, F  
 Phillip, Jimmie Lee, 16, G12, F  
 Poindexter, Alfred, 8, G3, M  
 Poindexter, Betti, 6, G1, F  
 Randall, Johnnie, 8, G3, M  
 Reed, Carrie, 13, G8, F  
 Reed, Easter Bell, 11, G6, F  
 Reed, Irvin, 17, G9, M  
 Reed, Ollie, 16, G8, M  
 Reynolds, Willie Ray, 16, G9, M  
 Richards, Bryant, 16, G9, M  
 Richardson, Darlene, 11, G5, F  
 Richardson, Robert, 17, G10, M  
 Rucker, Robert, 17, G10, M  
 Santee, Clarence, 13, G6, M  
 Santee, James, 9, G3, M  
 Santee, Nathaniel, 6, G1, M  
 Santee, Vera Lee, 8, G2, F  
 Scott, Alvin, 9, G4, M  
 Scott, Dazerine, 15, G9, F  
 Scott, Elmer Lee, 9, G3, M  
 Scott, Hattie Bell, 18, G10, F  
 Scott, Hiawatha, 18, G10, M  
 Scott, Ivory Dell, 16, G9, F  
 Scott, Milton, 12, G5, M  
 Scott, Temple, 17, G9, F  
 Smith, Wendell R., 6, G1, M  
 Stevens, James, 7, G3, M  
 Stickney, Janice, 9, G5, F  
 Tisdell, James, 17, G11, M  
 Tolder, Fred, 13, G6, M  
 Tolder, Robert, 10, G5, M  
 Toler, Billy Jean, 13, G11, F  
 Tompkins, Evelyn, 8, G3, F  
 Tompkins, Irene, 11, G6, F  
 Tompkins, Martha Ann, 10, G5, F  
 Turner, Levi, 15, G6, M  
 Turner, Walter, 17, G8, M  
 Walker, Arthur, 13, G6, M  
 Walker, Charles, 9, G3, M  
 Walker, Edwin, 17, G8, M  
 Walker, Elnora, 18, G11, F  
 Walker, George, 7, G2, M  
 Walker, Richard, 15, G6, M  
 Wallace, Leory, 15, G9, M  
 White, Mary Louise, 11, G7, F  
 White, Waymon, 14, G8, M  
 Williams, Alva Justine, 6, G1, F  
 Williams, Angellette, 9, G2, F  
 Williams, Bessie Vernell, 13, G7, F  
 Williams, Bobbie, 10, G4, F  
 Williams, Elijah, 14, G6, M  
 Williams, Fletcher, 16, G6, M  
 Williams, John Calvin, 8, G3, M

Williams, Madeline, 19, G11, F  
 Wilson, Jesse, 13, G8, M  
 Wilson, Mae Helen, 17, G12, F  
 Wood, Curtis, 8, G3, M

Wood, Garland, 6, G2, M  
 Woodard, Zeltee, 13, G6, M  
 Woods, Henrine, 6, G2, F  
 Woods, Sanderson, 9, G5, M

## NURSERY SCHOOL ENROLLMENT

### Regular Session 1950-51

Symbols: F—Female; M—Male; Figures—Age; \*—Part Year

*Abram, Edward Lee, M, 6	High, Sandra Mentonello, F, 3
Abram, Mary Louise, F, 4	*High, Wanda Bernardette, F, 5
Boulware, Jacqueline, F, 3	Lee, Bettye Dale, F, 4
*Browder, Gomez Lorenzo, M, 4	Love, Carolyn Joyce, F, 5
Brown, Edith Gertrude, F, 3	McKinnis, Hugh Lee, Jr., M, 3
Burley, Roy Willis, Jr., M, 4	McMillan, Samuel Le Roy, M, 4
Cleaver, Almitra Eugene, F, 3	O'Banion, Harriet, F, 4
Cleaver, Grace Juanita, F, 5	O'Neal, Ruth Elise, F, 4
Engram, Peggy Ann, F, 4	*Simmons, John Harry, M, 6
Harden, Nathaniel C., Jr., M, 4	Stevens, Robert Lewis, M, 4
*Henderson, Robert Earl, M, 5	Thomas, Curtis Henry, M, 5
*Hill, Mary Catherine, F, 6	*Woods, Barbara, F, 5
*Hill, Sonya Helen, F, 4	

## NAMES OF GRADUATES

January 1950

Name	Degree	Major
Abernathy, Mamie Lee	B.S.	Mathematics
Ardrene, Fannie Harris	B.A.	Business Administration
Beasley, Tommy	B.S.	Physical Education
Berry, Mattie Marie Foster	B.S.	Home Economics
Bell, Billy Douglas	B.S.	Physical Education
Cade, Harold Edward	B.S.	Agriculture
Coit, Clifford	B.S.	Physical Education
Crawford, Geneva Doris	B.A.	Music
Crosby, Willie James	B.S.	Agriculture
Dorsey, Allene Virginia	B.A.	English
Ford, Lois Lee	B.A.	Music
Hall, James Arthur	B.S.	Agriculture
Harrison, Meatra Devers	B.S.	Home Economics
Henley, Van Top	B.S.	Industrial Education
Hoyle, Julia C.	B.S.	Home Economics
Jackson, Woodrow W.	B.S.	Agriculture
Johnson, Iva Bell	B.S.	Home Economics
Johnson, William L., Jr.	B.A.	History
Jones, William Everett	B.S.	Industrial Education
Lee, Cleotha N.	B.S.	Education
McGill, Timothy Lloyd	B.A.	History
McKinnon, Caleb, Jr.	B.A.	Business Administration
Miller, Avery	B.S.	Industrial Education
Mitchell, Luther J.	B.S.	Architectural Engineering
Potts, Irene R.	B.S.	Home Economics
Quarles, Omezelle Juarez	B.A.	English
Reece, Froncell	B.S.	Agriculture
Richards, Maxine V.	B.S.	Home Economics
Robertson, Fatie A.	B.S.	Agriculture
Rodgers, Joe Jr.	B.S.	Industrial Education
Sapenter, Reginald Jack	B.S.	Industrial Education
Scott, James Bernard	B.S.	Agriculture
Scott, Joseph Alexander, Jr.	B.A.	History
Smith, Cullen Odee	B.S.	Industrial Education
Spates, Clifford Cullen	B.S.	Physical Education
Strickland, Osborne William	B.A.	Business Administration
Taylor, Lytle Louis	B.A.	History
Taylor, Violet Carroll	B.S.	Home Economics
Van Irvin, Maude	B.A.	Business Administration
Washington, Artye Lavelle	B.A.	Music
Wells, Luther Theodore, Jr.	B.A.	Music

\* First Semester Only.

White, E. Lois Arretha .....	B.S.	Physical Education
Williams, Curtis Allen .....	B.A.	History
Young, Verdine Jones .....	B.S.	Mathematics

## CERTIFICATES OF PROFICIENCY

January 1950

NAME	TRADE SPECIALITY
Daniels, Josiah .....	Shoe Repairing
Ford, Freddie .....	Shoe Repairing
Gibson, Pley, Jr. ....	Tailoring and Garment Making
Hunter, Catherine .....	Tailoring and Garment Making
Jennings, Joe Thomas .....	Carpentry and Cabinet Making
Jones, William Everett .....	Woodwork
Leonard, Kenneth Edward .....	Shoe Repairing
Miller, Avery, Jr. ....	Machine Tool Work
Owens, Charles C. ....	Radio Technology
Rodgers, Joe, Jr. ....	Radio Technology
Sapenter, Reginald Jack .....	Carpentry and Cabinet Making
Smith, Cullen Odeed .....	Carpentry and Cabinet Making
Tate, John Curtis .....	Radio Technology
Thomas, Donald Lee, J. ....	Carpentry and Cabinet Making
Walker, John Wilbert .....	Carpentry and Cabinet Making
Watson, Joe, Jr. ....	Tailoring and Garment Making

## SUMMARY OF DEGREES, DIPLOMAS AND CERTIFICATES

January 1950

	Male	Female	Total
Bachelor of Arts .....	7	4	11
Bachelor of Arts in Music .....	1	3	4
Bachelor of Science .....	4	3	7
Bachelor of Science in Agriculture .....	7	0	7
Bachelor of Science in Architectural Engineering .....	1	0	1
Bachelor of Science in Education .....	0	1	1
Bachelor of Science in Home Economics .....	0	7	7
Bachelor of Science in Industrial Education .....	6	0	6
Bachelor of Science in Nursing Education .....	0	0	0
Trade Certificate .....	15	1	16
<b>Total .....</b>	<b>41</b>	<b>19</b>	<b>60</b>

## NAMES OF GRADUATES

May 1950

Name	Degree	Major
Adams, Dorothy Jewel .....	B.S.	Biology
Alexander, Ben Adair .....	B.S.	Physical Education
Allen, Clemmie Lee .....	B.S.	Agriculture
Allen, Willie Marian .....	B.A.	Business Administration
Avington, Louise .....	B.S.	Industrial Education
Bagley, Julia Jave .....	B.S.	Physical Education
Baldwin, Berlyn Jean .....	B.S.	Home Economics
Barlow, Sadie Ruth .....	B.S.	Home Economics
Beason, Torance Lee .....	B.A.	Business Administration
Bennett, Irene Deloris .....	B.S.	Home Economics
Benson, Lenora Yvonne .....	B.A.	Sociology
Berryman, Onnis Cornelius .....	B.S.	Industrial Education
Black, Bernard Lynn .....	B.S.	Agriculture
Bloeker, Shelley Huston .....	B.A.	History-Political Science
Blue, Gazetta Loretta .....	B.S.	Home Economics
Booker, Willie Jewel .....	B.S.	Home Economics
Brannon, Bettye Eugenia .....	B.A.	English
Britton, Jerrolyn Maxine .....	B.S.	Education
Brown, Key Atlis .....	B.S.	Physical Education
Calhoun, Joseph C. ....	B.S.	Biology
Campbell, Hortense Beatrice .....	B.S.	Education
Carter, Audrey Lutish .....	B.S.	Home Economics

Chandler, Walter Lee	B.S.	Biology
Chatman, Alma Lucile	B.S.	Home Economics
Chew, Jewel Faye	B.A.	Music
Cross, Clifford Earl	B.S.	Biology
Crunk, Arthur Marie	B.S.	Physical Education
Davis, Lillie Louise Miller	B.S.	Home Economics
Dawson, Delbert H.	B.S.	Chemistry
Dawson, Maurice Alvin	B.S.	Industrial Education
Derry, Dorothy M. Bilton	B.S.	Education
Dewitty, Robert Lee	B.S.	Biology
Dibble, John Horace	B.S.	Industrial Education
Dickson, Pearlina	B.A.	Music
Drisdale, Nettie Jean	B.S.	Home Economics
Dunn, Willie	B.S.	Agriculture
Emory, Mary Opal	B.S.	Home Economics
English, Fay LaVerne	B.A.	English
Fisher, Beulah Faye	B.S.	Home Economics
Ford, Leona	B.A.	Business Administration
Forward, Dolris Jorinda	B.S.	Education
Francis, Luther Vernon	B.S.	Industrial Education
Franklin, Homer	B.S.	Biology
Frazier, Ola Victoria	B.S.	Home Economics
Fulbright, Eura Leigh	B.S.	Home Economics
Garnett, Ervin	B.S.	Physical Education
Grant, Boston Phillip, IV	B.A.	Business Administration
Hackett, Samuel D.	B.A.	Sociology
Hallmon, Grant Terrell	M.S.	Agricultural Economics
Hamilton, Freddie Mae	B.S.	Home Economics
Heard, Isaiah Henry, Jr.	B.S.	Physical Education
Henderson, Riley Newton, Jr.	B.S.	Industrial Education
Hillyer, Lillie Myrtle	B.S.	Physical Education
Hines, Jean La Nell	B.S.	Home Economics
Hodge, Loma Catherine	B.A.	Business Administration
Hogue, Joseph Jr.	B.S.	Agriculture
Hudson, Ida Mae	B.S.	Home Economics
Jackson, Lewis B.	B.S.	Agriculture
Johnson, Eugene	B.S.	Industrial Education
Johnson, Robert Walter, Jr.	B.S.	Physical Education
Johnson, Vernell Wesley	B.S.	Physical Education
Jones, John P.	B.S.	Physical Education
Jones, Johnnie Mae	B.A.	Music
Jones, Josephus Calhoun	B.S.	Industrial Education
Kirkpatrick, Brazylee Frances	B.S.	Home Economics
Knotts, Dorris X. C.	B.S.	Mathematics
Lavert, Ralph Curtis	B.A.	History-Political Science
Lewis, Dorothy Jean	B.A.	Music
Lilly, Berta Lee Gipson	B.A.	English
Lockhart, Josephine	B.S.	Home Economics
McGill, Fannie Earline	B.S.	Home Economics
McKie, Lois Ann	B.S.	Home Economics
McKnight, Glenda Lee	B.S.	Physical Education
McLendon, Jennie Ruth	B.S.	Home Economics
McMillan, Vivian Lucille Boyd	B.S.	Home Economics
McNeil, Mary Pauline	B.S.	Physical Education
McVea, Clifton Charles	B.S.	Industrial Education
Mack, Freddie O'Hara	B.S.	Agriculture
Marshall, Melba Evalina Shaw	B.A.	Business Administration
Mayo, Doris Ann	B.S.	Home Economics
Meiguez, Thelma Redd	B.S.	Education
Mercer, Astor Garthaniel	B.S.	Industrial Education
Mercer, George, Jr.	B.S.	Biology
Miller, Cornelia	B.S.	Physical Education
Miller, Doris Raye King	B.S.	Home Economics
Miller, Webster T.	B.S.	Biology
Mitchell, J. Jewel	B.A.	Music
Mitchell, James Aubrey	B.S.	Biology
Mitchell, Rosa B.	B.S.	Education
Montgomery, Mildren Melvin	B.S.	Biology
Morris, Jimmie Joyce	B.S.	Physical Education
Neal, Hubert Earl	B.S.	Agriculture
Nealy, Herbert Lee	B.A.	History
Newsome, Katherine	B.S.	Home Economics
Norman, Grace	B.A.	Music
Osborne, Wallace Griffin	B.S.	Biology
Owens, Charles C.	B.S.	Industrial Education
Pettie, Oveta White	B.S.	Home Economics
Petty, Ernice Alveretta	B.A.	Music
Phelps, Victoria Valencia	B.A.	Business Administration
Pierson, Frank James	B.S.	Physical Education
Pleasant, Alclair Mays	B.S.	Home Economics

Name	Degree	Major
Pollard, Earlie Lee Miles	B.S.	Home Economics
Portley, Tessie Mae	B.S.	Physical Education
Powell, Lathell Clenton	B.S.	Industrial Education
Price, Lawrence Douglas	B.S.	Agriculture
Randle, Charles Fredrick	M.S.	Agricultural Economics
Reece, Froncell	M.S.	Agricultural Economics
Reece Virgie Mae	B.S.	Biology
Reed, James Walter	B.A.	History
Reese, Lee Roy, Jr.	B.S.	Agriculture
Richardson, Georgia Lou	B.S.	Home Economics
Robinson, Jessie Jewel	B.S.	Home Economics
Robinson, Obie Dean	B.S.	Agriculture
Rogers, Henry, Jr.	B.S.	Physical Education
Roy, Vivian Esterlene	B.S.	Biology
Saunders, Owena Hall	M.S.	Elementary Education
Seal, Erma	B.S.	Home Economics
Sewell, Ruth	B.S.	Home Economics
Shaw, Erma Birdean	B.A.	Sociology
Sims, Van Edward	M.S.	History
Smith, Allen	B.A.	History
Smith, Joe Edward	B.S.	Biology
Spence, Milt	B.S.	Agriculture
Standifer, Joe Edward	B.S.	Chemistry
Stiles, Roger Clifford, Jr.	B.S.	Physical Education
Taylor, Edward	B.S.	Industrial Education
Taylor, Rannell Marshall	B.S.	Industrial Education
Theus, Dessie Mae	B.S.	Home Economics
Thomas, Katie Frances	B.S.	Education
Thomas, Emma Lee	B.S.	Home Economics
Tolliver, Melvin Lee	B.A.	Business Administration
Trimble, Malora Ruthenia	B.S.	Education
Venters, Rufus	B.A.	Sociology
Wade, Curtis Lennard	B.S.	Biology
Walker, Arleatha Margon	B.S.	Home Economics
Walter, Jefferson D.	M.S.	Administration
Walker, Massaree Oletta Singletary	B.S.	Home Economics
Wallace, Ulysees Simpson	B.S.	Agriculture
Walton, Joseph Rex, Jr.	B.A.	Music
Watkins, Helen Louise	B.A.	Sociology
Watson, Fred Addison	B.S.	Agriculture
Wesley, Verdell Vivian	B.S.	Home Economics
White, Johnnie Mae	M.S.	Education
Wilburn, Lois Tyndall	B.A.	Sociology
Wilkerson, Claudia Mae	B.S.	Home Economics
Williams, Elijah	B.S.	Agriculture
Williams, Josie Lee McDaniel	B.S.	Home Economics
Williams, Mae Ruth	B.S.	Home Economics
Williams, Winston Albert	B.S.	Agriculture
Willis, Josie Lee	B.S.	Education
Young, Haywood Lewis	B.S.	Industrial Education
Young, Phillip Lee	B.S.	Biology

## CERTIFICATES OF PROFICIENCY

May 1950

NAME	TRADE SPECIALITY
Alexander, Alonza Lee	Baking
Anderson, Sherman	Tailoring and Garment Making
Batiste, George Ervin	Carpentry and Cabinet Making
Bennett, Alton Earl	Radio Technology
Berryman, Onnis Cornelius	Carpentry and Cabinet Making
Bryan, Robert Lee	Radio Technology
Clayton, Billy G.	Automobile Mechanics
Cleveland, Jake Cornell	Cooking
Deckard, Walter Vaughns	Automobile Mechanics
Dibble, John Horace	Carpentry and Cabinet Making
Gaines, Tiery Edwin	Automobile Mechanics
Hampton, Jessie, Jr.	Masonry
Henderson, Riley Newton	Carpentry and Cabinet Making
Jefferson, Willie Lee	Tailoring and Garment Making
Johnson, Stella Louise	Tailoring and Garment Making
Johnson, Thomas	Painting and Decorating
Lightfoot, Dorcas E.	Tailoring and Garment Making
Mack, Emanuel	Carpentry and Cabinet Making
Mills, Milbern Douglas	Tailoring and Garment Making
Pettitt, Gloria Dean	Tailoring and Garment Making
Powell, Lathell Clenton	Tailoring and Garment Making

Prater, Lloyd Elton .....	Painting and Decorating
Rigsby, Nathaniel .....	Tailoring and Garment Making
Taylor, Marshall Rannell .....	Electrical Maintenance and Repair
Walker, John Wilbert .....	Carpentry and Cabinet Making
Walker, Minnie Ruth .....	Tailoring and Garment Making
Williams, Vernell Victoria .....	Tailoring and Garment Making
Young, Randolph, Jr. ....	Automobile Mechanics

## SUMMARY OF DEGREES DIPLOMAS AND CERTIFICATES

May 1950

	Male	Female	Total
Bachelor of Arts .....	11	11	22
Bachelor of Arts in Music .....	1	7	8
Bachelor of Science .....	24	13	37
Bachelor of Science in Agriculture .....	15	0	15
Bachelor of Science in Education .....	0	9	9
Bachelor of Science in Home Economics .....	0	40	40
Bachelor of Science in Industrial Education .....	15	1	16
Master of Science .....	5	2	7
Trade Certificate .....	25	3	28
Total .....	96	86	182

## NAMES OF GRADUATES

August 1950

Name	Degree	Major
Adams, Alvis Zuela .....	B.A.	English
Adams, Cordelia C. ....	M.S.	Elementary Education
Adams, Ester Alton .....	M.Ed.	Elementary Education
Adams, Eulah Maye Powell .....	M.Ed.	Elementary Education
Alexander, John Alden .....	M.Ed.	Administration
Allen, Leonard Gertrude .....	B.S.	Home Economics
Allen, Dela Mae McDow .....	M.S.	Physical Education
Allen, Phyllis Hightower .....	M.Ed.	Elementary Education
Allen, Robbie Jewel .....	B.S.	Home Economics
Anderson, Willie James .....	M.S.	Administration
Armstrong, Lemual N. ....	B.S.	Agriculture
Archie, Clara Belle .....	B.S.	Home Economics
Bailey, Geneva Levern .....	B.S.	Elementary Education
Bailey, Ossie Juanita .....	B.S.	Home Economics
Barlow, Benjamin J. ....	M.Ed.	Administration
Barrens, Grady Edward .....	B.S.	Biology
Blocker, Robert Bennett .....	M.Ed.	Industrial Education
Bluitt, Leroy .....	M.S.	Education
Bolden, V. Van .....	M.S.	Chemistry
Bolton, Ruth Elma .....	B.A.	English
Boney, Bernice Payne .....	M.A.	Music
Boone, Frances Margaret .....	B.S.	Physical Education
Boozer, Floyd Edison .....	B.S.	Agriculture
Bradley, Christy Maxine .....	M.Ed.	English
Bradley, Jeraldine .....	B.S.	Elementary Education
Brailsford, Artie .....	M.Ed.	Administration
Brooks, Philip Stanley .....	B.A.	History
Brooks, Ruth Ella .....	B.S.	Home Economics
Brown, Fred Douglas .....	M.S.	Agricultural Economics
Brown, Joe L. ....	M.Ed.	Education
Brown, Lawrence Milton .....	M.S.	Physical Education
Brown, Mavis Maxine .....	B.S.	Elementary Education
Brown, Mose L. ....	B.A.	Business Administration
Brown, Trudie Delphine .....	M.S.	Education
Browne, Mildred Alexander .....	B.A.	Business Administration
Burnett, Fred Douglas .....	M.Ed.	Administration
Byrd, Roxie Doris .....	M.Ed.	Elementary Education
Caldwell, Artis Lee .....	B.S.	Agriculture
Caldwell, Levater Phillips .....	B.S.	Home Economics
Canada, John Kingston .....	M.Ed.	Administration
Carroll, Margaret Evalena .....	M.A.	English



Carter, Odis Evelyn	B.S.	Home Economics
Cash, Larry B.	M.S.	Agricultural Education
Cato, Lewis Marshall	B.S.	Agriculture
Chatman, Leroy Wran	B.S.	Education
Christopher, Clyde	B.S.	Mathematics
Claybon, Dennis L.	M.S.	Administration
Claybon, Laurie E.	M.S.	Administration
Cleaver, Emuel Eugene	B.S.	Administration
Cleaver, Leroy	M.S.	Chemistry
Coleman, Jettie Laura	M.S.	Home Economics
Coleman, Sherman	M.Ed.	Administration
Collier, Dolphus E.	M.A.	English
Collins, Horace Harold	M.Ed.	Administration
Collins, Mattie Shavers	M.S.	Home Economics
Connally, Marie Durten	B.A.	Sociology
Crawford, Florine Easley	M.Ed.	Elementary Education
Durden, Rose Etta	M.A.	Sociology
Dawkins, Bettye Jean	B.S.	Home Economics
DeBose, Thomas	B.S.	Biology
DeShay, Reva Southern	B.S.	Education
Douglass, Blanche Mae	M.S.	Home Economics
Drummer, Elsworth	B.A.	History
Duncan, Willie Ethel	B.S.	Physical Education
Edwards, Elvie A. Taylor	M.S.	Education
Everett, Clarice Maderia	B.S.	Home Economics
Ferguson, Margaret Medlock	B.S.	Home Economics
Flewellen, Luzona Marie Ross	M.S.	Education
Fortson, Ethel Gladys Biles	M.Ed.	Elementary Education
Forward, Ida Mae Johnson	M.S.	Elementary Education
Foston, Arthur Lee	M.S.	Administration
Fowler, Carlean Meriem Wells	M.Ed.	Education
Fowler, Iola Marie	M.A.	English
Frazier, Margaret Beatrice	M.Ed.	Elementary Education
Gayner, Novel Wilburn	M.S.	Administration
Gilbert, Janet	B.S.	Elementary Education
Goode, Jesse F.	M.S.	Administration
Gooden, Pauline	B.S.	Home Economics
Goodman, Lula B. Warren	M.Ed.	Administration
Gray, Edward George	B.S.	Agriculture
Grays, Harrison Welborn	M.S.	Agricultural Economics
Green, Bernice Josephine	M.S.	Physical Education
Hanks, Lincoln III	B.S.	Agriculture
Hardeman, Florence Elease O'Neil	M.Ed.	Home Economics
Harris, Joel	M.Ed.	Administration
Haunts, Willie B.	B.S.	Elementary Education
Heard, Peggie Ruth	B.S.	Biology
Herring, Fairy Lillian	M.Ed.	Administration
Hewett, Beverly Lonnie	B.S.	Agriculture
Hights, Geneva Margaret	B.S.	Home Economics
Hill, Chester Morris	B.S.	Biology
Hill, Lovie Marie Murphy	M.Ed.	Home Economics
Hillman, Ruth Vergil Brown	M.S.	Administration
Hodge, Willie A., Jr.	B.S.	Industrial Education
Holt, Annie B.	B.S.	Home Economics
Howard, Edward L.	B.S.	Biology
Hubbard, Australia C.	B.S.	Agriculture
Jackson, Glen Dora	B.S.	Elementary Education
Jackson, Horace Ray	M.Ed.	Administration
Jackson, Othello Corrie	B.S.	Mathematics
Jackson, Vernell	B.S.	Physical Education
Jessie, Aubrey James	M.Ed.	Administration
Johnson, Compton Horace	M.Ed.	Administration
Johnson, James Ertell	B.S.	Agriculture
Johnson, Loy Arnold	M.Ed.	Administration
Johnson, Mary Belle Tooke	M.Ed.	Elementary Education
Johnson, Stella Louise	B.S.	Industrial Education
Johnson, Yvonne Jacqueline	B.S.	Home Economics
Jones, Eula Mae	M.Ed.	Home Economics
Jones, Frank Andrew	B.A.	Business Administration
Joseph, Verma Lee	B.S.	Elementary Education
King, Ora Starr	M.Ed.	Education
King, Willie Glenn	B.S.	Agriculture
Kirksey, Willie Beverly	B.A.	Music
Kline, Eva Phelps	B.S.	Education
Knotts, Edna M. Johnson	B.A.	History
Laster, Ella O. Franklin	B.S.	Education
Laws, Queen Esther	B.S.	Home Economics
Lewis, Gheretain Elizabeth	B.S.	Elementary Education
Liston, Ida B. Sanders	M.Ed.	Administration
Lyons, Alice David	M.Ed.	Administration
McClellan, Anna Lee Clark	B.S.	Home Economics

McDaniel, Mattye Mayceo .....	M.S.	Home Economics
McGary, Helen Ruth .....	M.S.	Administration
McGowen, Mabel Young .....	M.S.	Elementary Education
McKinney, Milton .....	M.Ed.	Administration
McPherson, Etta Mae .....	B.S.	Home Economics
McQueen, Clyde .....	B.S.	Agriculture
Mack, Richard M. ....	M.A.	Music Education
Malone, Clara Bell .....	B.S.	Home Economics
Marshall, D. M. ....	M.Ed.	Administration
Marshall, Roy Randolph .....	B.S.	Agriculture
Marshall, Tueria Del .....	M.S.	Administration
Meredith, Grover C. ....	M.Ed.	Administration
Mitchell, Herbert Lee .....	B.S.	Biology
Molett, Francis Alexander, Jr. ....	M.S.	Elementary Education
Molett, Naomi Lee Guidry .....	M.S.	Elementary Education
Moody, Freddie R. ....	M.Ed.	Elementary Education
Moore, Esther Ruth .....	B.S.	Home Economics
Mooring, Leon L. ....	B.S.	Agriculture
Morgan, John Phillip .....	B.S.	Agriculture
Morris, Mattie Aline .....	M.Ed.	Education
Morrison, Noval L. Allen .....	B.S.	Home Economics
Mosely, Eva Marie .....	M.S.	Elementary Education
Mundine, George Jay .....	B.A.	Business Administration
Musgrove, George Anne Turner .....	M.A.	English
Norris, Helen Marie .....	B.A.	Sociology
Paige, Ora Lee .....	B.A.	Music
Palmer, Willie Harvey, Sr. ....	M.Ed.	Administration
Pannell, Lowell Augustus .....	B.S.	Agriculture
Payne, James H., Sr. ....	M.A.	Sociology
Phillips, Will H., Jr. ....	B.S.	Agriculture
Pierson, F. Romeo .....	M.S.	Administration
Pitta, Allie Faye .....	M.Ed.	Elementary Education
Pollard, Clifford Julius .....	B.S.	Biology
Portis, Vivial Carsdale .....	M.S.	Elementary Education
Powdrill, Bettye Lois .....	B.S.	Home Economics
Powell, Allison Booker .....	M.Ed.	Administration
Price, Archie Lee, Sr. ....	M.Ed.	Administration
Probasco, Jeanetta Foston .....	M.Ed.	Education
Pyle, Bailey Jefferson .....	M.Ed.	Administration
Randall, Evelyn Althea .....	B.A.	English
Randle, Herter B. ....	B.S.	Education
Redd, Elmer Grant .....	B.S.	Agriculture
Redmon, Lola Mae .....	B.A.	Business Administration
Reeves, Eunice Maxine .....	B.S.	Home Economics
Reynolds, Leatha M. B. ....	M.S.	Education
Richardson, Lois Vera Mann .....	B.A.	History
Roach, Oberta Thomas .....	B.S.	Education
Roberts, Earline .....	B.S.	Home Economics
Robinson, Carl Alonzo .....	B.S.	Chemistry
Robinson, George Void .....	B.S.	Agriculture
Ross, Delia P. Williams .....	M.Ed.	Elementary Education
Rutledge, Paul .....	M.S.	Agriculture Education
Sanders, Emma Idell .....	M.Ed.	Elementary Education
Sanders, Robert Bert .....	M.Ed.	Education
Sanford, Greenville H. ....	B.S.	Administration
Sheffield, Celia Roach .....	M.Ed.	Elementary Education
Smith, Fay Onita .....	B.S.	Home Economics
Smith, Eudora Annie Laurie .....	B.S.	Education
Smith, Iola Brown .....	M.Ed.	Elementary Education
Sneed, Burton Stewart, Jr. ....	B.S.	Agriculture
Sprott, Gladys Harley .....	M.S.	Elementary Education
Stewart, Ernestine Yvonne .....	B.S.	Home Economics
Stewart, Inez I. ....	B.S.	Home Economics
Strickland, Osborne William .....	B.S.	Education
Stykes, Verniece Eliza .....	B.S.	Home Economics
Sublett, Benjamin H. ....	B.S.	Industrial Education
Summers, Ophelia .....	B.S.	Home Economics
Sweeney, Lurline C. ....	B.S.	Elementary Education
Tanksley, Harrell .....	M.S.	Physical Education
Tapp, Theola Lillie Gamble .....	B.A.	English
Taylor, E. D. Rean Grigsby .....	M.Ed.	Administration
Thomas, Daniel Webster .....	M.Ed.	Administration
Thurnton, Willie Lee Ester .....	B.S.	Biology
Traylor, Elma Lois McKenzie .....	M.Ed.	Elementary Education
Turner, Angeline C. ....	M.Ed.	Elementary Education
Turner, Odie Harold .....	M.Ed.	Administration
Turner, Rufus B. ....	B.S.	Agriculture
Turner, Wilbur Alden, .....	B.S.	Agriculture
Waddy, Edward S. ....	M.Ed.	Administration
Walker, Johnnie Mae Johnson .....	M.S.	Elementary Education
Wallace, Frankie Lucille .....	B.S.	Home Economics
Wash, Margaret S. ....	M.A.	Music

Washington, Elzadie L. ....	M.S.	Elementary Education
Wells, Luther Theodore, Jr. ....	M.A.	Music
Wesley, Bennie Jean Cook ....	M.Ed.	Administration
White, A. Sarah ....	B.S.	Home Economics
White, Ola Mae ....	B.S.	Home Economics
White, Desmothenes ....	M.S.	Agricultural Education
Whitson, Frank ....	B.S.	Industrial Education
Williams, Alma Jean ....	B.S.	Physical Education
Williams, George Wallace ....	B.A.	Business Administration
Williams, Willie E. ....	B.S.	Education
Wilson, Helen Alena ....	B.S.	Home Economics
Wilson, Lillian Alberta ....	B.S.	Home Economics
Winn, Martha Jane ....	B.S.	Mathematics
Wright, Helen Alexander M. ....	M.S.	Elementary Education
Wright, Thomas Jefferson ....	M.Ed.	Administration
Young, Pauline A. ....	M.Ed.	Elementary Education

## NURSING DIPLOMA

Brown, Verna Lois	Davis, Niola Janice	Leath, Katie Gladys
Conley, Sophia Lee	Frye, Billie Katheryn	Vonner, Lorraine
Culberson, Ardelia	Harmon, Naomi Vanolia	Walters, Theresa Roselyn

## CERTIFICATE OF PROFICIENCY

August 1950

NAME	TRADE SPECIALITY
Davis, Paul Grant	Automobile Mechanics
Jessie, Robert L.	Brick Masonry
Stoney, Raymond	Tailoring and Garment Making
Whitson, Frank	Tailoring and Garment Making

SUMMARY OF DEGREES,  
DIPLOMAS AND CERTIFICATES

August 1950

	Male	Female	Total
Bachelor of Arts	6	10	16
Bachelor of Arts in Music	0	2	2
Bachelor of Sciences	9	7	16
Bachelor of Science in Agriculture	21	0	21
Bachelor of Science in Architectural Engineering	1	0	1
Bachelor of Science in Education	5	14	19
Bachelor of Science in Home Economics	0	33	33
Bachelor of Science in Industrial Education	3	1	4
Nursing Education Diploma	0	9	9
Master of Arts	3	7	10
Master of Education	25	33	58
Master of Science	17	24	41
Trade Certificate	4	0	4
Total	94	140	234

## SUMMARY OF ENROLLMENT

FIRST SEMESTER, 1950-51

	Agri.		A&S		H. Eco.		MA Nur. Ed.			Total Combined		
	M	F	M	F	M	F	M	F	M	F	Total	
Graduate	9	28	11	3			1		38	14	52	
Seniors	106	84	120	1	71		37	17	228	208	436	
Juniors	48	119	161	1	58		36	17	204	239	443	
Sophomores	78	132	249	1	53		46	11	257	313	570	
Freshmen	79	180	322		57		53	3	312	430	742	
Special	3	7	17		2			3	13	19	32	
Trade I 1st Year							22	2	22	2	24	
Trade II 2nd Year							6		6		6	
Total	323	550	880	3	244		204	19	82	1080	1225	2305

## SECOND SEMESTER, 1950-51

	Agri.		A&S		H. Eco.		MA Nur. Ed.			Total Combined			
	M	F	M	F	M	F	M	F	M	F	Total		
Graduate .....	14	23	16		5		8				45	21	66
Seniors .....	66	66	78		52		27	1	10		159	141	300
Juniors .....	39	94	140	1	54		18	3	17		152	214	366
Sophomores .....	59	117	231	1	52		44	1			221	284	505
Freshmen .....	78	188	391		96		70	8	36		386	531	867
Special .....		5	7		1		4		1		9		18
Trade I 1st Year .....							9	1			9	1	10
Trade II 2nd Year .....							3				3		3
Total .....	256	493	862	2	260		183	14	64		934	1201	2135

## ENROLLMENT WITHOUT DUPLICATION, 1950-51

(Includes 260 Veterans)

	Agri.		A&S		H. Eco.		MA Nur. Ed.			Total Combined			
	M	F	M	F	M	F	M	F	M	F	Total		
Graduate .....	15	36	18		6		10				61	24	85
Seniors .....	88	83	98	1	66		32	1	15		204	180	384
Juniors .....	47	104	146	1	58		20	3	17		172	224	396
Sophomores .....	65	138	256	1	55		54	2			258	313	571
Freshmen .....	103	247	463		115		95	8	45		445	631	1076
Special .....		5	9		1		4	1	1		9	12	21
2nd Year Trade .....							5				5		5
1st Year Trade .....							11	1			11	1	12
Total .....	318	613	990	3	301		231	16	78		1165	1385	2550

## ENROLLMENT FIRST TERM SUMMER 1950

(Includes 350 Veterans)

	Agri.		A&S		H. Eco.		MA Nur. Ed.			Total Combined			
	M	F	M	F	M	F	M	F	M	F	Total		
Graduate .....	30	232	493		81		20	1	2		232	577	859
Seniors .....	56	46	75	1	65		16	1	10		119	151	270
Juniors .....	34	49	73		27		12	14			95	114	209
Sophomores .....	15	44	47		18		7				66	65	131
Freshmen .....	19	31	38		11		9	23			59	72	131
Special .....	2	9	27		8		6		6		18	41	59
1st Year Trade .....							17	1			17	1	18
2nd Year Trade .....							20				20		20
Total .....	156	411	753	1	210		107	3	55		676	1021	1697

## ENROLLMENT SECOND TERM SUMMER 1950

(Including 350 Veterans)

	Agri.		A&S		H. Eco.		MA Nur. Ed.			Total Combined			
	M	F	M	F	M	F	M	F	M	F	Total		
Graduate .....	38	221	444		77		19	2	1		278	524	802
Seniors .....	52	45	84	1	51		15	1	12		113	148	261
Juniors .....	31	44	60		23		10	1	11		85	95	180
Sophomores .....	13	41	36		16		10				64	52	116
Freshmen .....	18	24	21		9		10		23		52	53	105
Special .....	55	16	21		55		6		2		77	78	155
2nd Year Trade .....							16				16		16
1st Year Trade .....							14				14		14
Total .....	207	391	666	1	231		100	4	49		699	950	1649

## ENROLLMENT WITHOUT DUPLICATION—SUMMER 1950

(Including 350 Veterans)

	Agri.		A&S		H. Eco.		MA Nur. Ed.			Total Combined			
	M	F	M	F	M	F	M	F	M	F	Total		
Graduate .....	148	253	695	1	100		23	2	3		325	800	1125
Seniors .....	61	50	92	2	71		16	1	11		129	175	304
Juniors .....	37	50	80		29		12	17			99	126	225
Sophomores .....	16	47	49		19		10				73	68	141
Freshmen .....	20	31	39		12		9		23		60	74	134
Special .....	57	18	34		63		8		6		83	103	186
1st Year Trade .....							19	1			19	1	20
2nd Year Trade .....							21				21		21
Total .....	239	449	989	3	294		118	4	60		809	1347	2156

# DIVISION OF GRADUATE STUDY

## ADMINISTRATION

Administration of the Graduate Division is under the direction of the Committee on Graduate Study, which determines policies and administers them through its Chairman. Students seeking the Master's Degree are governed by the general rules of the catalogue and their work is under the general supervision of the Committee on Graduate Study.

## ADMISSION TO THE GRADUATE DIVISION

Applicants for admission to the Division of Graduate Study should submit a regular application blank properly executed at least thirty days prior to the opening of the session in which they wish to register. This is to be accompanied by an official transcript of undergraduate work completed.

Students are admitted by the Committee on Graduate Study, acting through the Chairman, to whom application should be made. For admission to the Division of Graduate Study an applicant must have received his baccalaureate degree from a senior college of recognized standing.

Graduates of such institutions who have met the prerequisite requirements of the departments or divisions in which they wish to major or customarily accepted as graduate students in full standing if they graduated in the upper 50% of their class while carrying an undergraduate program with a normal distribution of courses. All cases are considered on an individual basis. This includes a study of the courses taken and the grades made, which should average "B" or above at least in the junior-senior years of the undergraduate curriculum.

Students not eligible to admission in full standing as prospective candidates on probation or as Graduate Special students to take individual courses of the approval of the instructors concerned.

## GRADUATE WORK BY SENIORS IN THIS COLLEGE

A senior in this College who lacks six semester hours or less of having completed the requirements for the undergraduate degree may, with the approval of his undergraduate dean and the Chairman of the Committee on Graduate Study, register for graduate courses, not to exceed six semester hours, while completing his undergraduate requirements. If graduate credit is desired for any part of the work carried, the combined load of graduate and undergraduate courses must not exceed 15 semester hours.

Seniors who wish to register for graduate courses may apply to the Chairman of the Committee on Graduate Study for information as to procedure.

## REQUIREMENTS FOR THE DEGREES OF MASTER OF ARTS, MASTER OF SCIENCE, AND MASTER OF EDUCATION

Graduates of Prairie View Agricultural and Mechanical College or of any other college of approved standing may, on the satisfactory completion of an approved program of study, receive the degree of Master of Arts, Master of Science, or Master of Education. The degree received will depend upon the field of subject matter emphasized at the undergraduate and graduate levels.

The requirements for the degree are:

### 1. *Admission to Candidacy*—

A graduate student enrolled in the Division of Graduate Study does not automatically become a candidate for the Master's Degree. To become a candidate, the student must complete the following requirements:

- a. A candidate must be accepted by the departments in which the major and minor work are to be performed. A student to be considered for admission to candidacy for the Master's Degree must present evidence of satisfactory preparation for graduate study in the fields chosen. The general undergraduate record, the record in the fields selected for graduate study, and the record on the graduate work completed will be considered in determining admission to candidacy. As further evidence of satisfactory preparation, the major department may require the candidate to pass a qualifying examination.
- b. After twelve semester hours of graduate work have been satisfactorily completed, with an average of "B" or better, a formal application must be made for admission to candidacy. This application, approved by the heads of the major and minor departments, must be submitted to the Director of the Division of Graduate Study not later than twelve weeks prior to the date on which degree is to be conferred.

### 2. *Residence*—

At least a full academic year or the equivalent must be spent in residence and a minimum of thirty semester hours be earned at Prairie View. A student shall not present himself for graduation until he has six months' residence to his credit after the date on which the Graduate Faculty approved his candidacy for an advanced degree.

### 3. *Course Requirements*—

- a. A minimum of thirty semester hours, exclusive of thesis, with an average grade of "B," or better in courses approved for graduate credit, is required for the degrees of Master of Arts and Master of Science.
- b. Thirty-six semester hours of course work are required for the degree of Master of Education.

- c. Ordinarily, at least twenty semester hours of graduate work in the major field and ten semester hours in the minor field will be required.
- d. Not more than one workshop, two extension courses, two institutes, or a total of six semester hours in any combination of these may be counted toward the Master's degree.

4. *Transfer of Credit*—

Credit obtained in a different, but recognized institution, not exceeding six semester hours, may be transferred and credited to the Master's degree, provided that the work was of graduate character and provided that acceptance of the transferred credit does not reduce the minimum residence period of one academic year. Transfer of advanced credit is not made unless requested by the student in a letter to the Director of Graduate Study. Such a transfer of credits from another institution to apply in partial fulfillment of the requirements for the Master's degree must be approved by the Graduate Committee.

5. *Extension and Correspondence Courses*—

A student who has satisfied requirements for admission to the Division of Graduate Study may receive credit toward the Master's Degree for extension courses, subject to the following conditions: (1) graduate credit will be given only for courses approved by the Committee on Graduate Study; (2) the courses fit in with the student's program of study; and (3) graduate credit for extension courses shall not exceed six semester hours and shall not reduce the residence requirement for the degree.

Correspondence work is not accepted for graduate credit. With the consent of the department concerned, a student may take work by correspondence to remove deficiencies in his undergraduate training.

6. *Quality of Work*—

A candidate must maintain at least a "B" average in all work taken in graduate study. Not more than 6 semester hours of work of C grade will be accepted as a part of the minimum requirement for the Master's Degree.

7. *English Usage Requirement*—

A student who is deficient in English usage but who is otherwise doing satisfactory work will be required to satisfy the committee on English Usage with regard to his use of the English language, before he is allowed to graduate. Such deficiency might be determined by an English Usage Examination or by reports of instructors of courses in which a student is registered.

8. *Foreign Language Option*—

At the option of the head of the department in which the major work is done, a reading and working knowledge of French, German, or Spanish may be required to complete the requirements for the Master of Arts Degree.

9. *Thesis*—

- a. In addition to the thirty semester hours in graduate courses a satisfactory thesis is required of all candidates for the degrees of Master of Arts and Master of Science. The thesis must be written under the direction of a member of the faculty of the Graduate Division in the department in which an individual is working. The thesis must have the approval of each member of the student's reading Committee. This work must be acceptable with respect to both scholarship and literary quality. A candidate for an advanced degree must have his thesis subject approved by his Chairman at least six months before the date he expects to present himself for graduation. A statement of this approval must be filed with the Graduate Office. A candidate should complete his thesis not later than three weeks before the date of his intended graduation in order that it may be examined by each member of the Advisory Committee for the student. The following directions should be rigidly followed in the writing of the thesis. The thesis should be typewritten, double-spaced on a durable rag bond, 8½ x 11 inches, leaving the left hand margin at least an inch and a quarter wide, the right hand margin at least three-quarters of an inch. Set up the title page according to the following form:

## TITLE OF THESIS

A Thesis

Presented to the Graduate Division

of Prairie View Agricultural and Mechanical College

In Partial Fulfillment of the

Degree of

Master of Science

By

(Author's Name in Full)

(Date on which degree is to be conferred)

Following the title page there must be a biographical sketch of the author, not exceeding 200 words. An outline is furnished by the Graduate Office for this purpose. Further directions for thesis preparation will be placed in the hands of the student at the time needed.

Two copies of the thesis must be bound at the expense of the student and filed in the Graduate Office. One copy becomes the property of the Graduate Office.

- b. All candidates for the degree of Master of Education are required to enroll in a seminar in connection with which a seminar paper will be written in specially prepared form approved in writing by the instructor in charge of the seminar. This paper shall deal with a topic in the student's major field of concentration.



10. *Application for the Degree—*

Any candidate expecting to graduate at the end of a regular long session is required to file application for the degree expected during the first five days of the first semester of his attendance in that session on a blank available in the Registrar's Office. If graduation is expected at the end of the summer session, the application for the degree should be made during the first three days of the first term of the student's attendance in that summer session. The application should be directed to the Registrar.

11. *Final Examination—*

After the thesis has been completed and filed with the Graduate Office, the candidate is required to pass a general comprehensive examination which shall be a test of the Candidate's knowledge of the study which he has mainly pursued. This examination may be written or oral or both. This general examination is conducted by the Student's Advisory Committee of which the representative of the major field shall act as Chairman, and at least two other examiners to be appointed by the Director of the Graduate School, after consultation with the Advisory Committee. Any member of the Graduate Faculty may attend the examination as a visitor.

A candidate who fails in his general examination must register in the Graduate School and carry work for an additional semester before an opportunity will be given for a second examination, unless special permission is granted by the Committee on Graduate Study for an earlier examination and the request of the department concerned.

12. *Recommendation for the Degree—*

Upon completion of all requirements for the Master's Degree, candidates are certified for graduation by the Chairman of the Committee on Graduate Study. Degrees are publicly conferred at the close of the regular and the summer sessions.

*Time Limit on Work for Master's Degree*

A Student must complete his master's work within six consecutive years after his first enrollment in the Graduate Division.

*Grading System for Graduate Students*

Course work of graduate students is reported as "A" (95-100); "B" (85-94); "C" (75-84); "D" (65-74); "E" (60-64); "F" (below 60); "I" (Incomplete); and "K" (Delinquent Account).

No graduate credit is given for courses in which a grade lower than "C" is received. In order to show satisfactory progress toward an advanced degree a student must receive an average grade of "B." A graduate student is expected to maintain a "B" average in all his work. If he receives a grade of "C" or lower in one course, his subsequent registration may be restricted; if he receives a grade of "C" or lower in two or more courses, he will be placed upon probation. With further grades below "B," he will become ineligible for candidacy for the Master's Degree.

The work of a graduate student performed in connection with his thesis problem is reported as "satisfactory" or "unsatisfactory."

A graduate student may receive a grade of "I"—incomplete, in a course with the privilege of finishing the work at a later date. "Incomplete" work must be made up within twelve months after the close of the term in which the grade was earned, or no credit will be allowed for the course.

Graduate students registered in courses that are open to advanced undergraduates must do a certain amount of work in addition to that required of undergraduates. The nature of this additional work may be the reading of additional books on the subject and presenting a review of same, the making of reports, or such other work as the teacher in charge of the course may deem wise.

*Special Note:* Any person reporting for matriculation as a graduate student without having filed an application and other necessary credentials for graduate status (two weeks prior) will be given only tentative graduate status, pending the proper evaluation of undergraduate work. The student should understand that after his credentials have been examined under this tentative arrangement, the institution reserves the right to deny him graduate status even though he has completed all other parts of his registration.

## SCHOOL OF AGRICULTURE

### AGRICULTURAL ECONOMICS

The prerequisites for majoring in Agricultural Economics is the Bachelor of Science Degree in Agriculture from a recognized college of Agriculture.

To fulfill the requirements for a major in this field, one must complete at least twenty semester hours of work in Agricultural Economics. For the minor, the student is required to complete at least ten semester hours of work in the minor field agreed upon in consultation with the major professor and approved by the Dean. However, if it becomes necessary, the hours required in the major and minor fields may vary to the extent of two or three hours accumulated in either field. In such a case, the total hours must amount to thirty or more.

513. AGRICULTURAL FINANCE. (3-0) *Credit 3.* Financial requirements of individual farmers; emphasis placed on credit institutions serving the farmers. Prerequisite: Principles of Agricultural Economics.

523. MARKETING OF FARM PRODUCTS. (3-0) *Credit 3.* Study of the principles underlying successful marketing of farm products; study made of various middlemen through which farm products pass from the producer to the consumer, trips arranged for the class to visit and study markets. Prerequisite: Principles of Agricultural Economics.

552. AGRICULTURAL ECONOMICS SEMINAR. (2-0) *Credit 2.* Current problems in Agricultural Economics discussed; topics reported by students.

713. ECONOMICS OF AGRICULTURAL PRODUCTION. (3-0) *Credit 3.* Principles of production economics applied to production of major farm products in various areas; economic geography and agriculture, national production programs and the tariff on agricultural products. Prerequisite: Principles of Agricultural Economics.

723. COOPERATIVE MARKETING OF FARM PRODUCTS. (3-0) *Credit 3.* Principles underlying the successful operation of cooperative marketing organizations; examples of successful fruit, vegetable, livestock and cotton marketing associations.

733. ADVANCED FARM MANAGEMENT. BUSINESS ORGANIZATION OF TEXAS FARMS. (3-0) *Credit 3.* Use of farm management principles in the organization and operation of Texas Farms; selecting farms, farm enterprises; planning cropping systems, equipment needs, and capital, trips to representative farms by the class. Prerequisite: Principles of Agricultural Economics.

743. LAND TENURE AND PROBLEMS. (3-0) *Credit 3.* Land as a factor of production, land utilization, tenure and income. Prerequisite: Principles of Agricultural Economics.

763. AGRICULTURAL LAND USE PLANNING. LOCAL, REGIONAL AND NATIONAL. (3-0) *Credit 3.* County, state regional and national land use programs. Submarginal, and supermarginal lands; work of the Farm Security Administration, Department of the Interior, and National Resources Board.

## AGRICULTURAL EDUCATION

Undergraduate work equivalent to the Bachelor of Science degree in Agriculture is required.

501 or 502. AGRICULTURAL EDUCATION SEMINAR. (1-0 or 2-0) *Credit 1 or 2.* Designed for all graduate students having majors in Agricultural Education. Only candidates for an advanced degree are eligible to take this course.

513. METHODS OF CONDUCTING PART-TIME AND EVENING SCHOOLS IN VOCATIONAL AGRICULTURE. (3-0) *Credit 3.* Teaching Vocational Agriculture. Permission of instructor is required. An analysis of the problems related to part-time and evening schools in Vocational Agriculture and to the development of objectives and procedures in the organization and conduct of such instruction.

523. SUPERVISED PRACTICE PROGRAM BUILDING. (3-0) *Credit 3.* Teaching in Vocational Agriculture. Permission of instructor is required. Based upon researches in project accounting and analysis.

533. EXTENSION ORGANIZATION AND PROGRAM DETERMINATION. (3-0) *Credit 3.* Best procedure to be followed in developing state, county, and community programs of work, and outlining of plans of work looking to the orderly development of specific projects; discussion of the place of local leaders in extension teaching; representative organizations of rural people studied for the purpose of discovering points of contact and interest for cooperation in the conduct of extension work.

543. EXTENSION METHODS. (3-0) *Credit 3.* Aims and objectives of extension teaching and possible ways of measuring accomplishments reviewed and critically analyzed; various means and agencies employed in extension teaching as result of demonstrations, method demonstrations, meetings, news articles, personal services, bulletins, exhibits, and circular letters; evaluated from the standpoint of their teaching functions, adaptability, relative influence, cost, inter-relationship and general effectiveness.

553. ORGANIZATION AND CONDUCT OF 4-H CLUB WORK. (3-0) *Credit 3*. Development of 4-H Club programs and organization: objectives; psychological groupings; community integration; program content; community, county, state, and Federal organization, selection and use of local leaders, annual plans of work, evaluation; methods employed in 4-H work: projects, club meetings, demonstrations, judging work, exhibits achievement days, camps, short courses, and leadership training.

562-563. SPECIAL PROBLEMS IN HOME ECONOMICS EXTENSION. (2-0 or 3-0) *Credit 2 or 3*. Extension research and other data of special significance to the organization and conduct of extension work with rural women; Current problems of home demonstration workers.

571 and 571-B. YOUNG FARMER PROBLEMS I AND YOUNG FARMER PROBLEMS II. (1-2) *Credit 1*. A correlate to 572 and 622; given on an un-assembled basis for teachers in service who are enrolled in either Agricultural Education 572 or 622. The classroom instruction in these two courses is followed up on an individual enrollee on-the-job basis.

572. METHODS OF WORKING WITH OUT-OF-SCHOOL GROUPS. (1-2) *Credit 2*. Special techniques for working with young-farmer and adult-farmer groups on farm and community problems; integration of such work into the total program of Agricultural Education in the community.

622. SUPERVISED FARMING PROGRAM BUILDING FOR OUT-OF-SCHOOL GROUPS. (1-2) *Credit 2*. Enterprise planning, accounting and analysis; selecting and developing over-all supervised farming programs with special reference to working with young-farmer and adult-farmer groups.

Ag. Ed. 613. HISTORY AND PHILOSOPHY OF EXTENSION EDUCATION. (3-0) *Credit 3*. Development of Agricultural Extension Education; socio-economic influence responsible for the establishment of extension education; development of agricultural policy that has a bearing on the philosophy of extension education.

Ag. Ed. 623. PUBLIC RELATIONS AND EXTENSION EDUCATION. (3-0) *Credit 3*. Methods and practices of acquainting the public with the scope and purposes of extension work through print, radio, visual aids, and full use of written and spoken word.

Ag. Ed. 633. PSYCHOLOGY FOR EXTENSION WORKERS. (3-0) *Credit 3*. Significance of psychology to extension workers in relation to its meaning, the job of the extension worker, the meaning of education and of teaching; problem of motivation; nature of learning; basic principles and major types of learning; and conditions favorable for learning.

Ag. Ed. 643. EXTENSION WORK EVALUATION. (3-0) *Credit 3*. Measuring results of extension work; sampling procedures, analysis and interpretation, and presentation and use of data in reference to study plans; methods of systematically appraising extension work.

712 or 713. PROBLEMS IN AGRICULTURAL EDUCATION (2-0 or 3-0) *Credit 2 or 3*. Community-program approach to agricultural problems; scientific approximation of aims, objectives and standards; participation in field experiences and field research.

722 or 723. PRINCIPLES OF TEACHING METHODS IN AGRICULTURAL EDUCATION. (2-0 or 3-0) *Credit 2 or 3*. Logical and psychological bases for selecting methods of teaching agriculture.

*SPECIAL NOTE.—Majors in Agricultural Education will be advised to select additional courses in the field of Rural Education.*

## SCHOOL OF ARTS AND SCIENCES

## BIOLOGY

A student entering graduate study in the field of Biology should present at least an undergraduate minor, 20 hours or the equivalent, which includes: general Zoology, Botany and Physiology. It is preferable that he shall have had enough credits for an undergraduate major in Biology. It is expected that students who plan to qualify for the Master's degree shall become thoroughly grounded in the general principles of general Zoology, Botany, Physiology, Embryology, and Anatomy (comparative and microscopic).

If the transcript of the undergraduate record of a student does not meet the above qualifications, additional satisfactory undergraduate work will be required before the student is admitted to graduate status.

The offerings in Biology on the graduate level have been divided into six fields: (1) Embryology; (2) Genetics; (3) Histology; (4) Microbiology; (5) Physiology; and (6) General Biology plus Special Courses in Biology.

Students seeking a Master's Degree in Biology should present well chosen courses from three of these fields and pursue further work in one field. Programs should be outlined in consultation with the Professors of Biology.

*I. Embryology*

504. EMBRYOLOGY. (2-4) *Credit 4.* Descriptive embryology; vertebrate development with special reference to mammals; dissections and examination of selected embryological materials, including serial sections of the fetal pig. Prerequisite: Biology 114 and 124.

554. EXPERIMENTAL EMBRYOLOGY. (2-4) *Credit 4.* Modern problems and techniques of the development of the principles and mechanisms of development; analysis in factors operating in the morphogenesis, regeneration and development of selected vertebrates. Prerequisite: Biology 414 and 504.

604. ADVANCED VERTEBRATE EMBRYOLOGY. (2-4) *Credit 4.* Deals primarily with the very early stages in the formation of the human embryo, the mechanism of its implantation in the uterus; correlated changes in the reproductive organs of the mother, organogenesis and histogenesis. Each student takes a special problem in organogenesis. Prerequisites: Biology 414 and 504.

693. BIOLOGY OF SEX (3-0) *Credit 3.* A consideration of the biological problem of sex.

*II. Genetics*

574. GENETICS. See Biology 254.

673. CYTO-GENETICS. (3-0) *Credit 3.* Lectures, reports and laboratory work on the finer cell structures with special reference to chromosome structure, related structures and processes involved as they affect heredity.

683. EXPERIMENTAL GENETICS. (3-0) *Credit 3.* Through experimentation to show how variations may be brought about; the techniques of mating and breeding to support accepted facts.

### III. Microbiology

594. GENERAL MICROBIOLOGY. See Biology 334.

614. PROTOZOOLOGY. (2-4) *Credit 4*. Structure, Taxonomy, physiology, life history, and adaptations of protozoa, especially the nonparasitic form: Prerequisite: Biology 114 and 124.

624. GENERAL PARASITOLOGY. (2-4) *Credit 4*. Morphology, life history, diagnosis and control of the important parasites affecting man and other animals. Prerequisite: Biology 614.

### IV. Histology

514. HISTOLOGICAL TECHNIQUE. See Biology 354. In addition to the requirements of 354, the student is required to master some of the special techniques.

524. HISTOLOGY. See Biology 364.

714. CYTOLOGY. (2-4) *Credit 3*. Lectures, reports and laboratory work on the finer structure of cells and processes.

### V. Physiology

534. GENERAL PHYSIOLOGY. (2-4) *Credit 4*. Functioning of the organ systems along with the chemical and physical processes involved; quantitative experimentation on warm blooded animals basic physiological techniques; original research on a problem. Whenever possible original research sources are consulted for information to acquaint the student with the leading workers in the field and their methods, Prerequisite: Biology 324 and elementary courses in Physics and Chemistry.

544. ENDOCRINOLOGY. (2-4) *Credit 4*. Organs of internal secretion; embryology, phylogeny, microscopic anatomy, and physiology. Prerequisites: Biology, 114, 124, and 324.

584. SPECIAL PHYSIOLOGY OF MAMMALS. (2-4) *Credit 4*. A course including the experiments not given in the general courses.

634. NEUROLOGY. (2-4) *Credit 4*. A brief review of the brain and cranial nerves of the shark; the morphology of the spinal cord and brain of a mammal; the principal tracts and nuclei (reaction systems) of the cord and brain with special reference to the human nervous system.

### VI. General Biology and Special Courses in Biology

564. SYSTEMATIC BOTANY. (2-4) *Credit 4*. A study of the local flora, giving training in the identification and classification of the higher plants. Prerequisite: Botany 134.

644. PLANT MORPHOLOGY. (2-4) *Credit 4*. Structure, reproduction, and relationships of algae, mosses, ferns, conifers and fungi. Prerequisite: Biology 134.

664. GENERAL INVERTEBRATE ZOOLOGY. (2-4) *Credit 4*. Classification, morphology, embryology, physiology, and life histories of invertebrates exclusive of insects. Prerequisite: Biology 124.

654. NATURAL HISTORY OF VERTEBRATES. (2-4) *Credit 4*. Fundamentals of life histories, relations with environment, and speciation of vertebrates. Introduction to classification of Southwestern species. Prerequisite: Biology 114 and 124.

704. BIOLOGY FOR TEACHERS. This course constitutes a training course for prospective teachers of Zoology and Botany. Lectures or conferences, field and laboratory work. Prerequisites: at least Biology 604 and 644.

600. RESEARCH. (*Credit Arranged*). Research may be carried on in any area listed which the student has a sufficient background.

640-650. SEMINAR IN BIOLOGICAL PROBLEMS. Required of all graduate students in the department. No credit.

## CHEMISTRY

Persons who plan to pursue the graduate degree in chemistry must fulfill the undergraduate requirements stipulated by the department. These requirements are essentially: one year of Inorganic Chemistry, one year of analytical chemistry, one year of organic chemistry, one year of physical chemistry. It is expected that the average grades in these courses and of courses in related fields be not less than a grade of C. The department reserves the right to give a qualification test to students and will make recommendations for the courses needed to enable student to do graduate work in chemistry.

Students who plan to minor in chemistry on the graduate level must have fulfilled all requirements for a minor in chemistry on the undergraduate level stipulated in the catalog.

Upon acceptance as a graduate student in chemistry an advisor will be assigned who shall advised the student on courses to pursue, etc.

At the completion of a minimum of twelve semester hours of graduate work in chemistry which have been satisfactorily completed with an average of "B" or better a formal application must be made for admission to candidacy. This application must be approved by the heads of the major and minor departments and submitted to the Director of the Graduate School for approval. Research projects for the thesis will be assigned AFTER THE STUDENT HAS BEEN APPROVED AS A CANDIDATE.

A reading knowledge of French or German is recommended for all candidates.

After approval of the thesis, the candidate will be given a written and/or oral preliminary examination in his major and minor fields. It is required that this exam must be taken at least *six weeks before graduation*.

The final examination will be oral and shall be over subject materials not covered in the preliminary exam and the thesis.

It is recommended that persons who plan to qualify for the M.S. Degree in chemistry spend at least two years in residence and that those who plan to study during the summer periods plan to spend at least one summer which can be devoted entirely to research. It is further required that the thesis be of the quality that it may be published in an accepted scientific journal. Below is a suggested outline of study for the various fields of chemistry. These, of course, represent the minimum requirements.

*Analytical*

Course	Hrs.
Identification of Organic Compounds .....	4 Lab and Lec
Organic theory .....	3 Lec
Physical Chemistry (Advanced) .....	3 Lec
Advanced Inorganic .....	3 Lec
Advanced Analysis .....	6 Lec and Lab
Seminar .....	2
Research .....	
Biochemistry .....	4
Total .....	25 Hrs. (Exclusive of research)

*Biochemistry*

Course	Hrs.
Identification of Organic Compounds .....	4 Lec and Lab
Advanced Inorganic Chemistry .....	3 Lec
Advanced Analysis .....	3 Lec
Advanced Physical .....	3 Lec
Intermediate Metabolism .....	3 Lec
Advanced Organic .....	6 Lec
Seminar .....	2
Research .....	
Total .....	24 Hrs. (Exclusive of research)

*Inorganic Chemistry*

Course	Hrs.
Identification of Organic Compounds .....	4 Lec
Advanced Inorganic Chemistry .....	6 Lec and Lab
Advanced Physical .....	3 Lec
Advanced Organic .....	3 Lec
Advanced Analytical .....	3 Lec
Seminar .....	2 Lec
Biochemistry .....	4
Total .....	25 Hrs. (Exclusive of research)

*Organic*

Course	Hrs.
Identification of Organic Compounds .....	4 Lab and Lec
Advanced Organic Chemistry .....	6 Lab and Lec
Advanced Inorganic Chemistry .....	3 Lec
Advanced Physical .....	3 Lec
Advanced Analytical .....	3 Lec
Seminar .....	2
Research .....	
Biochemistry .....	4
Total .....	25 Hrs. (Exclusive of research)

## COURSES

613 AND 623. ADVANCED INORGANIC CHEMISTRY. (3-0) *Credit 3.* The periodic law: several forms of the table. Quantum numbers. A brief discussion of chemical bonds and resonance. Structure and properties of typical non-metallic compounds. Behavior of electrolytes in non-aqueous solvents.

701. CHEMICAL PRINCIPLES. (1-0) *Credit 1.* Fundamental concepts and principles of chemistry; designed especially for persons interested in the teaching of chemistry. Prerequisite: Graduate or advanced undergraduate student.



704. ADVANCED ANALYTICAL CHEMISTRY. (1-6) *Credit 4.* Lecture-recitation: Theory and picture of sampling, solution of refractory materials, special methods of precipitation, use of radio active material, water analysis, special types of calculations.

Laboratory: Gravimetric and electrolytic separation (limestones and alloys) evolution methods, gas analysis, electrometricoxidation-reduction.

713. IDENTIFICATION OF ORGANIC COMPOUNDS. (Qual. Organic Analysis). The separation and identification of pure organic compounds and mixtures.

723. QUANTITATIVE ORGANIC CHEMISTRY. (1-4) *Credit 3.* The determination of elements and functional groups by Macro-methods with an introduction to micro-methods.

743. ADVANCED TOPICS IN ORGANIC CHEMISTRY. (3-0) (a) Stereochemistry; (b) Reaction Mechanisms; (c) Terpenes and Carbohydrates. 3 hours credit for each topic.

732. ADVANCED ORGANIC CHEMISTRY. (2-0) *Credit 2.* A short review of elementary organic chemistry with an extension of more advanced topics. Includes assigned current subject material.

752. INTERMEDIARY METABOLISM. (0-4) *Credit 2.* A laboratory course concerned with a quantitative study of the intermediates formed in cellular metabolism of fats, carbohydrates, proteins, and minerals employing equipment currently used in biochemical research. Both manometric and spectrometric methods are included. Prerequisite 434, or taken concurrently with 753.

753. INTERMEDIARY METABOLISM. (3-0) *Credit 3.* A lecture course concerned with the intermediates formed in the metabolism of fats, carbohydrates, proteins, minerals and nucleic acids and interrelationships between the metabolic pathways in both plants and animals. Such topics as: Enzyme-substrate substrate (Michaelis' Theory) energy relationships competitive inhibition, isotope technique, free radical nature of intermediates, enzyme kinetics, energy rich bonds, mesomeric concepts are included. Prerequisite 434 and 424.

762. ORGANIC SYNTHESIS. (1-4) *Credit 2.* Conferences and laboratory work dealing with the synthesis of various organic compounds. Prerequisite: one year of organic chemistry.

763. BIOCHEMICAL AND CLINICAL ANALYSIS. (0-6) *Credit 3.* Conferences and laboratory work dealing with analysis of blood, urine and vitamin assay. Prerequisite: Chemistry 435.

782. TOPICS IN THE CHEMISTRY OF NUTRITION. (2-0) *Credit 2.* Lectures, assigned readings on the most recent developments in research on vitamins, amino acids, proteins, minerals and hormones as related to human and animal nutrition. Prerequisite: Chemistry 435.

783. ADVANCED PHYSICAL CHEMISTRY. (3-0) *Credit 3.* A lecture course consisting of advance topics in physical chemistry; Thermodynamics, chemical kinetics, theories of solutions, phase rule. Prerequisite: Chemistry 424 and mathematics through differential and integral calculus.

802. ELECTROCHEMISTRY. (0-4) *Credit 2.* Conferences, assigned readings and exercises in the laboratory dealing with the fundamental theories of electrochemistry and fundamental theories of electrochemistry and the preparation of certain inorganic and organic compounds. Prerequisite: Chemistry 424.

600, 700, 800. RESEARCH. *Credit arranged.* Problems for investigation may be selected from one of the following fields of chemistry: 1. Analytical; 2. Biochemistry; 3. Inorganic Chemistry; 4. Organic Chemistry.

911 and 921. SEMINAR. (1-0) Discussion of topics which are current in the various fields of chemistry.

## ECONOMICS

The graduate courses in Economics permit intensive research and study of the integrated undergraduate courses in the various departments of the Social Sciences.

Among the specific objectives: development of ability to use available literature, facilities and techniques of investigating current socio-economic problems; advancement of independent thought and writing necessary for further study, experimentation and living.

For course sequence or any other information consult the chairman of the department and the professor offering the course.

## ECONOMICS

513. ECONOMIC HISTORY OF THE UNITED STATES. (3-0) *Credit 3.* Development of agriculture, industry, commerce and transportation from colonial times to the present; problems involving the economic evolution in the United States. Prerequisite: Economics 213-223 (offered in alternate years).

533-523. PRINCIPLES OF ECONOMICS. (3-0) *Credit 3.* Thorough and critical consideration of economic problems and principles; post-war economy in the American Social Order.

543. SOCIAL AND LABOR LEGISLATION. (3-0) I or II. Protective legislation dealing with wages, hours, child labor, old age benefits with unemployment compensation.

563. ECONOMIC PROBLEMS OF THE CONSUMER. (3-0) *Credit 3.* Family budgets, marketing, price controls, and other problems of consumers.

573. LABOR PROBLEMS. (3-0) *Credit 3.* Evolution of industrial society; labor movement as a "going government"; protective legislation dealing with wages, hours, and unemployment compensation; problems involving the employer-employee relationships. Prerequisite: Economics 213-223.

593. POST-WAR ECONOMIC POLICIES. (3-0) *Credit 3.* Full employment, investment, foreign trade and finance, price control and fiscal policies.

702. THE NEGRO IN THE AMERICAN LABOR MOVEMENT. (2-2) *Credit 2.* American Trade Unionism with special reference to the role and status of Negroes in the labor union. Prerequisite: Basic courses in Economics and Sociology.

723. SEMINAR IN ECONOMIC THEORY. (3-0) *Credit 3.* Critical discussion of debatable topics in the field of economic theory, prices, value and distribution; reports will be made on recent or contemporary theories and theorists. Prerequisite: consent of instructor.

743. CAPITALISM AND SOCIALISM. (3-0) *Credit 3.* Capitalism, unionism, socialism, facism, and individualistic anti-capitalism, each viewed under the headings of conditions, theories and movements. A research course. Prerequisite: Economics 213 and Sociology 213.

773. ECONOMIC THEORY AND SOCIAL POLICY. (3-0) *Credit 3.* Analysis of economic theories involved in various institutional and government policies, especially those centering around farm control, education, housing, relief, protection of workers and consumers and social security.

## EDUCATION

*Minimum Requirements for a Master's Degree  
in the Department of Education*

The minimum undergraduate preparation for the Master's Degree is eighteen semester hours of basic course credit in the field of the graduate major. Those persons who plan to major in Elementary Education should include such basic courses as the following:

Elementary Art .....	3 hrs.
Public School Music .....	3 hrs.
Teaching of Reading .....	3 hrs.
Elementary Science .....	3 hrs.
Child Development and growth .....	3 hrs.

Attention is called to the requirements of the Texas Education Agency for the teaching certificate in the field of graduate concentratoin.

*Admission to Candidacy*

Action on admission to candidacy for a Master's Degree will be taken after the student (1) has been in residence for at least one semester or summer session, earning at least twelve hours of graduate course credit, (2) has maintained a "B" average or better; (3) has satisfactorily demonstrated proficiency in English usage and has satisfied all the classification requirements of the college.

The student failing to meet the above requirements will be continued on probation for a second semester. In the event he does not meet the requirements for candidacy at this time, it will be understood that no more graduate credit earned by him will be applicable to a Master's Degree.

*Suggested Curriculum for a Major in  
Elementary Education*

Child Growth and Development .....	3 hours
Teaching the Language Arts .....	3 hours
Evaluation of Modern Practices .....	3 hours
Diagnosis and Remedial Treatment of Elementary School Subjects .....	3 hours
Developing Elementary School Curriculum .....	3 hours
Problems of the Elementary Teacher .....	3 hours
Electives from the following:	
Arts and Crafts in Public School	
Audio-Visual Education	
Supervision of Elementary School Subjects	
Elementary School Administration	
Library Service Education	
Survey Course of Education for Special Handicapped Children	
Child Accounting	
Special Project in Public School Art	

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 21 hours
*Suggested Curriculum for Administration  
and Supervision—Principal Major*

Child Growth and Development .....	3 hours
Supervision .....	3 hours
Curriculum and Methods .....	3 hours
School Community Relations .....	3 hours
Administration .....	9 hours

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 21 hours

*Suggested Curriculum for Administration  
and Supervision—Supervision Majors*

Child Growth and Development .....	3 hours
Administration .....	3 hours
Curriculum and Methods .....	3 hours
School Community Relations .....	3 hours
Supervision .....	9 hours
	21 hours

ADMINISTRATION AND SUPERVISION

513. VOCATIONAL GUIDANCE. (3-0) *Credit 3.* Open to all graduate students. Surveys required of all students. Vocational Guidance as a means of contributing to major objectives of secondary education; typical centers, movements, and programs as now carried on. Reading and reports.

523. ADMINISTRATION OF STUDENT PERSONNEL. (3-0) *Credit 3.* Open to students of senior and graduate standing. Common personnel problems of administrators and supervisors such as extra-curricular activities, guidance, student-faculty relationship; health; admissions; discipline; records and reports; etc.

533. HIGH SCHOOL ADMINISTRATION. (3-0) *Credit 3.* Work of the High School Principal; technique of organizing the high school program; history, objectives, and status of secondary education in the United States.

543. PRINCIPLES OF GUIDANCE. (3-0) *Credit 3.* Introductory course: survey of the field; emphasis on the Role of the Classroom Teacher in personnel work.

633. ELEMENTARY SCHOOL ADMINISTRATION. (3-0) *Credit 3.* Problems, organizations, administration and supervision of elementary schools.

643. SUPERVISION OF ELEMENTARY SCHOOL SUBJECTS. (3-0) *Credit 3.* The nature and philosophy of supervision, the need of supervision in elementary schools, the activities of supervisors, the promotion of teacher growth, and the appraisal of teaching efficiency.

713. FUNDAMENTALS OF SCHOOL ADMINISTRATION. (3-0) *Credit 3.* Open to graduate students who hold or are appointed to positions as principals, or supervisors, or who have consent of Director. History, principles, and practices in school administration; intensive study of problems (general and specific) involved in school administration.

723. RURAL SCHOOL SUPERVISION. (3-0) *Credit 3.* Principles underlying present-day supervision. Relationship of classroom teachers to supervisor, principal, and superintendent.

733. CHILD ACCOUNTING. (3-0) *Credit 3.* Principles and systems of child accounting. Courses, attendance, progress, achievement, classification, and guidance records and reports.

743. PRINCIPLES OF CURRICULUM BUILDING. (3-0) *Credit 3.* Open to graduate students who hold positions as principals or supervisors or who have consent of Director. Principles of curriculum construction in elementary and secondary education; investigates the sources of curriculum materials and methods of evaluation; some aspect study of the curriculum is required of all students desiring credit.

753. PRINCIPLES AND PRACTICES OF SUPERVISION. (3-0) *Credit 3.* Open to graduate students who hold or are appointed to supervisory or administrative positions, or who have consent of Director. Some practice in application of principles required of all. Principles, practices and problems of supervision. Special attention is given to organization for supervision, supervisory programs, research in supervision, cooperation of special agencies, and qualifications for supervisors.

763. PRINCIPLES OF RURAL SCHOOL ADMINISTRATION. (3-0) *Credit 3.* Open to graduate students holding administrative and supervisory position in rural areas. Principles, practices, and problems of school administration with emphasis upon problems of schools located in rural areas. Reports required of all.

773. THE HIGH SCHOOL PRINCIPAL AS A SUPERVISOR. (3-0) *Credit 3.* Improvement of instruction; evaluation of teaching procedures, selection and use of textbooks and other instructional material in elementary grades.

783. THE ELEMENTARY PRINCIPAL AS A SUPERVISOR. (3-0) *Credit 3.* Improvement of Instruction; Evaluation of Teaching Procedures; selection and use of text books and other instructional materials in elementary grades.

793. SUPERVISORS WORKSHOP. *Credit 3.* (Credit granted in areas of elementary and secondary education.)

#### ELEMENTARY EDUCATION

563. TEACHING OF ARITHMETIC IN ELEMENTARY GRADES. (3-0) *Credit 3.* A survey of current issues, including: teaching arithmetic through pupils' first hand experiences; the place of meaning, thinking; and drill in effective learning; the grade placement of topics in arithmetic; approved procedures in adapting instruction to pupils of varying ability.

633. TEACHING READING IN THE ELEMENTARY GRADES. (3-0) *Credit 3.* Special attention is given to the problem of when the child is ready to start learning to read, and the steps in beginning reading, techniques to be followed in developing the three additional stages of reading development, and how to make the pupil efficient in reading in general in school work.

653. ARTS AND CRAFTS IN PUBLIC SCHOOL. (3-0) *Credit 3.* Teaches prospective elementary teachers how to present art to children.

663. SPECIAL PROJECTS IN PUBLIC SCHOOL ART. (3-0) *Credit 3.* Methods, procedures and phases of teaching art; problems of art education and methods of teaching art.

683. ELEMENTARY SCHOOL CURRICULUM. (3-0) *Credit 3.* Study of important developments in elementary education with particular attention to methods and materials which may be used to improve the development of pupils in elementary schools. Problems which are encountered in day-to-day teaching situations receive much attention.

743. PROBLEMS OF THE ELEMENTARY TEACHER. (3-0) *Credit 3.* Open to undergraduates who are teachers in service and to graduate students. Special projects, investigations, and reports required; attention given to problems presented by members of the class as the outgrowth of their experiences.

753. TEACHING THE LANGUAGE ARTS IN THE ELEMENTARY SCHOOL. (3-0) *Credit 3*. For those interested in guiding and directing children of elementary school age in reading and in oral and written composition: special emphasis placed on diagnosis and remedial work in reading.

763. TEACHING SOCIAL STUDIES IN THE ELEMENTARY GRADES. (3-0) *Credit 3*. Emphasis upon improving the social learning which grow out of the entire life of children both in and out of school. Selection and organization of content, learning activities, problem solving and social action skills, building social values and developing methods of unified and correlated social studies program.

773. TEACHING OF SCIENCE IN THE ELEMENTARY GRADES. (3-0) *Credit 3*. Emphasis is placed upon the principles, materials and methods of teaching science, and its influence upon the development of children, in the elementary grades. Laboratory work is designed to help the teacher develop a background of science understanding with suitable experiments, and suggestions for appropriate equipment and suitable materials for various age levels.

783. MODERN PRACTICES IN ELEMENTARY EDUCATION. (3-0) *Credit 3*. For in-service teachers.

793. DIAGNOSIS AND REMEDIAL TREATMENT OF ELEMENTARY SCHOOL SUBJECTS. (3-0) *Credit 3*. Techniques of diagnosis and remedial treatment of difficulties in the various elementary school subjects at all levels.

#### General Education

500. MASTER'S ESSAY SEMINAR. *Non-credit*. Required of all candidates for Master of Education degree.

703. MODERN EDUCATION TENDENCIES. (3-0) *Credit 3*. Current educational doctrine and controversies; fundamental problems considered with a view to the development of an integrated outlook.

713. HISTORY OF EDUCATION IN AMERICA. (3-0) *Credit 3*. Historical background of America Education and an analysis of the origin and development of educational practices.

763. PROBLEMS IN THE EDUCATION OF NEGROES. (3-0) *Credit 3*. Special problems in the education of Negroes which result from segregation and discrimination; attention given to problems as adequacy of public education, equality of opportunities, the general status of Negro schools, educational facilities, etc.

843. TECHNIQUES IN EDUCATIONAL RESEARCH. (3-0) *Credit 3*. Study of research in education, the sources of information and techniques available, and approved form and style in preparation of research reports and theses.

#### PSYCHOLOGY

523. PRINCIPLES AND PRACTICES OF EDUCATIONAL MEASUREMENT. (3-0) *Credit 3*. The place of tests and measurements in education; selection and construction of the most commonly used tests and measurements. Prerequisite: Education 433. See education 433 in undergraduate catalog.

563. MENTAL ADJUSTMENT. (3-0) *Credit 3*. Personality as an integrated force; psychology of the adjusted school child. Prerequisite: Psychology 103.

573. PSYCHOLOGY FOR STUDENTS OF EDUCATION. (3-0) *Credit 3*. See Education 383, of current catalog. General principles of human psychology as they relate to the learning process.

593. PUPIL GROWTH AND DEVELOPMENT. (3-0) *Credit 3.* A study of the growth and development of the individual. Emphasis on problems of inheritance, growth, learning, intelligence, emotion, and personality. Consideration given to fundamental psychological needs of the organism (in the growth cycle in infancy, childhood, adolescence and adulthood) and the conditions under which they may be realized. Applications to educational procedure, on home, school and community.

#### RURAL EDUCATION

743. THE RURAL ELEMENTARY CURRICULUM. (3-0) *Credit 3.* For rural school principals, supervisors and teachers specifically concerned with curriculum adaptations in rural elementary schools. The development of the curriculum in terms of environment, resources, and needs; and specifically adapted organization for school of one to four teachers; procedures for discovering environmental resources and needs and conditions in sample rural communities considered in their implications for selection and organization of curriculum materials.

713. SCHOOL AND COMMUNITY RELATIONS. (3-0) *Credit 3.* Place of education, the responsibility of the public school, the curriculum, the reorganization of the educational administrative structure, and the provisions of special educational services, as they relate to child and community needs and methods for their provision from the standpoint of the whole child and the community as a whole. The community centered school philosophy emphasized.

#### HEALTH EDUCATION

543. SAFETY EDUCATION. (3-0) *Credit 3.* Survey course in safety education; organization, administration, history and development, methods, materials and procedures in teaching safety on the various levels; aspects of safety with particular emphasis on driver education and training.

593. NUTRITIONAL ASPECTS OF HEALTH EDUCATION. (3-0) *Credit 3.* Essentials of an adequate diet; the food of persons of different ages; and the nutritive values of common food materials considered; special concern given regarding the relationship of nutrition and health education; materials from the various agencies, diet surveys and projects included in the course.

603. A SURVEY COURSE IN THE EDUCATION OF EXCEPTIONAL CHILDREN. (3-0) *Credit 3.* Foundations for Special Education set forth; its history, philosophy, policy, case studies, measurements and guidance, selection, organization and qualifications of teachers.

Brief consideration given the special classroom assistance for exceptional children with some knowledge of the various types of handicapped children.

623. METHODS IN HEALTH EDUCATION. (3-0) *Credit 3.* Methods and techniques of teaching health in elementary and secondary schools.

633. METHODS AND MATERIALS OF TEACHING HEALTH AND PHYSICAL EDUCATION IN ELEMENTARY SCHOOLS. (3-0) *Credit 3.* Study of Fundamental play needs of children of elementary school level; ability to select appropriate equipment and the formation of tentative curriculum; sources of materials in the field.

643. THEORY AND PRACTICE IN RECREATIONAL AND CAMPING LEADERSHIP. (3-0) *Credit 3.* In addition to classroom work in the various aspects of Recreation and Camping Education, course deals with actual laboratory experiences in the development of such programs. These include the organization of camps, community centers, playgrounds and consider health and safety aspect, work experiences, social leadership activities and practice in the dance, games and sports skills.

723. COMMUNITY PLANNING FOR HEALTH. (3-0) *Credit 3.* Acquaints the prospective teacher of health education with the fundamentals, habits and knowledge necessary to healthful living; and an overview of prominent health problems in the school and community.

Special attention also given to progressive teaching methods and use of modern teaching aids in health education.

### SECONDARY EDUCATION

503. PRINCIPLES OF SECONDARY EDUCATION. (3-0) *Credit 3.* See general catalogue for course description, Education 313. Graduate Students will be required to develop term papers and give special reports. Prerequisite: Education 113, 333.

673. METHODS OF TEACHING SECONDARY SCHOOL SUBJECTS. (3-0) *Credit 3.* General methods treating the principles and practices of successful high school teaching.

### ENGLISH

*Admission:* For admission to graduate study in English a student should present at least an undergraduate minor, 21 hours, in this field. This undergraduate study should include at least three hours of credit above the sophomore level in each of the following: American Literature, Journalism, Shakespeare, Victorian Literature, Romantic Movement or a specialized course such as Chaucer, Byron, Wordsworth.

Any prerequisite courses such as The English Language (English 353), The Teaching of English: Education (English 463), which the student did not take while an undergraduate at this college, it is expected that he will register in these courses upon admission to the Department.

*Requirements for the Graduate Degree:* Requirements are stated in terms of minimum essentials. Students are urged to indicate some effort at enrichment of background by including in their program more than the minimum essentials. The following courses are required to fulfill the 20 credit hours required for a graduate major in English:

Course Number	Credit Hours
English 533	3
English 583	3
English 733	3
English 773	3
English 813	3
English 803	3
English 818	3

Of the 12 credit hours required for the graduate minor in English the following courses are required:

Course Number	Credit Hours
English 733	3
English 773	3
English 813	3
English 803	3



## DESCRIPTION OF COURSES

## ENGLISH

533. NINETEENTH CENTURY PROSE. (3-0) *Credit 3.* Ideas, political and social conditions as revealed in the writings of chief representatives of the period.

583. THE NOVEL. (3-0) *Credit 3.* Relations between literature and social conditions as revealed in outstanding examples in the field in the novel.

733. SPEECH ARTS. (3-0) *Credit 3.* Practical work in speech construction, platform delivery, parliamentary procedure, and play production. The student should allow not less than three dollars for the purchase of practice material.

753. JOURNALISTIC WRITING AND PUBLICITY METHODS. (3-0) *Credit 3.* Practical work in the forms.

773. NEGRO LITERATURE. (3-0) *Credit 3.* Works of Negro writers of prose, poetry, and drama from colonial slavery times to the present day; their interpretations of Negro people; sociological implications and influence on American life and literature; contemporary works by and about Negroes; books, reviews, and studies in current periodicals. Prerequisite: American Literature.

803. BIBLIOGRAPHY AND METHODS OF RESEARCH. (3-0) *Credit 3.* Exercises in minor research projects.

813. LITERARY CRITICISM. (3-0) *Credit 3.* Wide reading including translations from "classical" literature; practice in reading aloud.

813. SEMINAR IN THESIS WRITING. (3-0) *Credit 3.* Open only to candidates who are now working on their thesis in English.

## HISTORY

Majors and minors are offered in the Department of History, Philosophy and Political Science. Students desiring to major in either History or Political Science should consult with the Head of the Department and plan a program in conjunction with the Major Professor.

All students are required to take a course in Research. Majors in History should register for History 563 and majors in Political Science for Political Science 563.

Arrangements should be made to take this course as early as possible after the commencement of the work for the Master's Degree.

The offerings in History on the graduate level have been divided into three fields: (1) European History; (2) American History; (3) Training and Special Courses in History.

Twenty hours of satisfactory work is required for a major in the field of History, and ten hours for the minor. The satisfactory completion of a thesis, the subject of which to be determined in consultation with the major professor, is required of all persons graduating with a major in this field. Minors in this field are allowable only if the candidate can demonstrate that the techniques in this field are necessary for his research project or that the minor field is reasonably associated with the major specialty in content and orientation.

Prerequisites for majoring or minoring in the field of History are. (a) Lower college courses in American and European History corresponding to the lower college offering in the field at Prairie View. (b) At least an advance course in either modern and/or contemporary European or American History. (c) A cumulative average of "B" in their social science courses on the undergraduate level. (d) Preliminary to the graduate regulation on candidacy for the degree, no person shall be acceptable for pre-candidacy status if at the end of the first semester he has not shown the proper inclination to master the skills and attitudes attendant upon graduate study.

#### MASTER OF ARTS IN HISTORY WITH AMERICAN ORIENTATION

Course	Hours	Course	Hours
History 533 or 543—England, 1485 to the present	3	History 623—Problems in Latin American History	3
History 553—Europe, 1914 to the present	3	History 663—Great American Historians (elective)	
History 563—Historical Methods	3	History 613—American Revolution and the Constitution (elective)	
History 693—The New South, 1865 to the present	3	History 633 or 643—American Foreign Relations, 1775 to the present (elective)	
History 653—Contemporary U. S. History, 1898 to present	3		

#### MASTER OF ARTS IN HISTORY WITH EUROPEAN ORIENTATION

Course	Hours	Course	Hours
History 533 or 543—England, 1485 to the present	3	History 623—Problems in Latin American History	3
History 553—Europe, 1914 to the present	3	History 563—Historical Methods	3
History 733—History of the Far East	3	History 633 or 643—American Foreign Relations, 1775 to the present (elective)	
History 523—Imperialism	3	History 653—Contemporary U. S. History, 1898 to present (elective)	
History 513—French Revolution and Napoleon (elective)			

Students seeking a Master's Degree in History should present well chosen courses from these fields and pursue further work in one field or a combination of fields in consultation with the Professor of History.

#### I. EUROPEAN HISTORY

513. FRENCH REVOLUTION AND NAPOLEON. (3-0) *Credit 3.* Causes of the revolution; reforms and discipline by Napoleon.

523. IMPERIALISM. (3-0) *Credit 3.* Era of Imperialism; causes, results and techniques.

533 and 543. ENGLAND, 1485 TO THE PRESENT. (3-0) *Credit 3.* I. Development of Britain in Modern historical development; Tudors and the Reformation; the Stuarts and Parliament; English expansion under Parliamentary rule; the Era of Reform and Empire; the Empire and World War I, Britain between the Wars; the Fight for Survival—Global War. Lectures, Discussions, Special Reports. Offered in odd years.

553. EUROPE, 1914 TO THE PRESENT. (3-0) *Credit 3.* I. 20th Century European development in its World setting; the background and causes of World War I; the War itself; the Versailles settlement and Post War efforts at Political, Economic and Social Security, collectively and nationally; the ideological clash between democracy and totalitarianism which led to Global War and the Atomic Age—from the subject matter of the course. Lectures, discussions, special reports. Offered in odd years.

\*Also thesis on some problems connected with this course offering. Twenty hours required.

663. GREAT AMERICAN HISTORIANS. (3-0) *Credit 3*. Survey of the writers of American History; their sociological, economic and political motivations.

## II. AMERICAN HISTORY

613. AMERICAN REVOLUTION AND THE CONSTITUTION. (3-0) *Credit 3*. Revolutionary philosophy; declaration of independence; union and drafting the constitution.

633 and 643. AMERICAN FOREIGN RELATIONS, 1775 TO THE PRESENT. (3-0) *Credit 3*. I and II. The United States in its relations with Latin-America and the rest of the world; public opinion and the economic, social and political forces that have determined American foreign policy and the agencies through which that policy has been executed. May be taken as Political Science 533 and 543.

653. CONTEMPORARY UNITED STATES HISTORY, 1898 TO THE PRESENT. (3-0) or (2-0) *Credit 3 or 2*. II. 20th Century American development thus: America comes of age; the quest for Social Justice; the Great Crusade (World War I); Post War Normalcy and Reaction; Democracy in Transition—the New Deal; and American Leadership in the "United Nations." Lectures, Discussions, special reports.

663. ECONOMIC HISTORY OF THE UNITED STATES. (3-0) *Credit 3*. I. Historical review of the development of agriculture, commerce, industry, and business from colonial times to the present; social and economic forces in American society with attention to various mass movements; industrialization of the country and the necessity for governmental regulations; historical interpretation of trade unions, employer's associations, cooperatives.

673. ECONOMIC HISTORY OF THE SOUTH. (3-0) *Credit 3*. II. The agricultural and industrial development of the South; the industrialization of the Southwest; field trips, contact with state Historical Societies to obtain documents, and preparation for the writing and publication of materials.

683. SECTIONALISM AND CIVIL WAR, 1700-1865. (3-0) *Credit 3*. I. Regional Hypothesis; Socio-economic Regionalism; Government, Politics, and the Regional Compromise in the Middle Period; Ideas in Embrogia—Issues and Men; Reconstruction and the New Nation. Lectures, Discussions, Special reports.

693. THE NEW SOUTH, 1865 TO THE PRESENT. (3-0) *Credit 3*. II. Relation of the South to National development since 1860; the Death of the Old South; Reconstruction and the New Nation; the "Due Departure" 1876-1900; Southern strivings to follow National Patterns, 1900-1932; the New Deal and the New South. Lectures, Discussions, Readings, Special Reports.

## III. TRAINING AND SPECIAL COURSES

503. TECHNIQUES OF TEACHING HISTORY. (3-0) *Credit 3*. Testing devices; visual aids; historical methods.

563. A SURVEY OF THE CRITICAL ATTITUDE AND TOOLS OF SCIENTIFIC HISTORY. (3-0) *Credit 3*. I or II. History and its relation to the Social Sciences; the Subject and the Collection and Classification of Sources; the criticism of Data; Exposition or the presentation of historical evidence; and sources and techniques of political science research, lectures, laboratory exercises, special reports. Offered as Sociology 563, Social Research. History majors register for History 563.

572. HISTORICAL INVESTIGATIVE PAPER. (2-0) *Credit 2*. I and II. Credit allowed upon satisfactory completion of required thesis.

733. HISTORY OF THE FAR EAST. (3-0) *Credit 3*. Political institutions of China, Japan and other Far Eastern Countries.

603. WESTERN AMERICAN HISTORY. (3-0) *Credit 3*. II. Seminar in the exploration, settlement and development of the region western side of the Mississippi; designed to discover and preserve materials on the early Spanish, French, African and Anglo-Saxon explorations and the contributions of the immigrants who made their homes in the Western region later.

623. PROBLEMS IN LATIN-AMERICAN HISTORY. (3-0) *Credit 3*. I. Geography and resources of the Latin-American countries; cultural traits of the population; description of the social, political and economic institutions. History of the relations between the United States and Latin-American countries.

### MATHEMATICS

713. ADVANCED CALCULUS (3-0) *Credit 3*. Advanced topics of the calculus; differential equations. Prerequisites: Differential and Integral Calculus.

723. ANALYTIC MECHANICS. (3-0) *Credit 3*. Statics, the study of equilibrium and dynamics, motion of particles, of rigid bodies, and simple cases of formable bodies under action of forces. Prerequisites: Differential and integral Calculus.

733. ADVANCED ALGEBRA. (3-0) *Credit 3*. Topics not taken up in the elementary course of college Algebra; inequalities, theory of probability, summation of series, etc. Prerequisite: College Algebra.

743. STATISTICS. (3-0) *Credit 3*. Processes of statistical methods with reference to applications in various fields. Prerequisite: Analytic Geometry.

753. THEORY OF EQUATIONS. (3-0) *Credit 3*. Complex numbers, general calculations of the cubic and biquadratic, and Horner's and Newton's method. Prerequisite: Differential and Integral Calculus.

763. DIFFERENTIAL EQUATIONS. (3-0) *Credit 3*. Methods of solving type forms and the formulation of practical problems as solutions of differential equations. Prerequisites: Differential and Integral Calculus.

773. PROJECTIVE GEOMETRY. (3-0) *Credit 3*. Fundamental forms; harmonic sets, perspectivity and projectivity of forms, duality involution. Prerequisite: the calculus.

783. DIFFERENTIAL GEOMETRY. (3-0) *Credit 3*. Curves in the plane and in space, and of surfaces; introduction to the study of curved spaces. Prerequisites: Calculus and Solid Analytic Geometry.

793. INFINITE SERIES. (3-0) *Credit 3*. The convergence and divergence of sequences, and series; simple, absolute, and uniform convergence; summable series. Prerequisites: Differential and Integral Calculus.

803. NUMERICAL AND LITERAL SOLUTIONS OF EQUATIONS. (3-0) *Credit 3*. The methods of solving linear, simultaneous, quadratic, cubic, quartic, transcendental, and algebraic equations of higher degrees than the fourth for real roots, as well as methods for complex roots. Prerequisites: Theory of Equations on consultation with the Head of the Department,

## MUSIC

The College offers courses leading to the degree of Master of Arts with a major in Music. This degree is open to persons holding a Bachelor of Music or Bachelor of Science or Arts with concentration in music from an institution of recognized standing. These degrees presented as entrance requirements in the graduate department must represent an amount of work equivalent to that prescribed in the School of Arts and Sciences at Prairie View A. & M. College.

Candidates for the master's degree may major in theory, piano, voice or music education.

## MUSIC EDUCATION

## Requirements:

*12 to 15 Hours—30 in all subjects*

12 to 15 hours—30 hours in all subjects

## 1. Courses in the field:

Courses in general education or psychology; or English Literature, Language or History as well as the music courses.

Thesis: A written literary work involving original research.

## 2. Applied Music (6 hours minimum)

Continuation of one's applied instrument.

## 3. Minor Cognates: Any one:—

Aural Theory

Written Theory

Music Literature

Any non-musical field of study for which the student has the requisite preparation in his bachelor's degree.

*Twelve to fifteen hours. (30 hours in all subjects)*

683. THE TEACHING OF MUSIC LITERATURE. (3-0) *Credit 3.* The problems involved in the presentation of music appreciation to high school students.

773. PROBLEMS IN TEACHING SIGHT-SINGING AND EAR TRAINING. (3-0) *Credit 3.* Students must audit first-year courses and engage in practice teaching plus one hour of theory and one hour of lecture.

863. TESTS AND MEASUREMENTS IN MUSIC EDUCATION. (3-0) *Credit 3.* Procedures, criticisms, and evaluation of the most prominent sensory motor, feeling and achievements in music.

873. TEACHING OF VOCAL MUSIC IN THE HIGH SCHOOL. (3-0) *Credit 3.* Organizations and administration of (a capella) choirs, boys' chorus or glee clubs, girls' chorus or glee clubs, and voice training classes.

883. THESIS. A written literary work involving original research.

893. THE TEACHING OF INSTRUMENTAL MUSIC IN THE HIGH SCHOOL. (3-0) *Credit 3.* The organization and administration of bands and orchestras in the junior and senior high school.

973. SEMINAR IN MUSIC EDUCATION. (3-0) *Credit 3.* Current philosophy of education in this country; the place of music in the curriculum; review and criticism of music curricula, and evaluation of materials and methods of the various types of music schools existing in America. Special study of some problems associated with that aspect of music teaching in which interested.

983. RESEARCH IN MUSIC EDUCATION. (3-0) *Credit 3.* Independent investigations under supervision, leading to a thesis. (In certain cases a laboratory problem in the psychology of music may be submitted as a thesis).

993. THE PSYCHOLOGY OF MUSIC. (3-0) *Credit 3.* Materials from the science of psychology; current psychological tests and measurements in music; review of the experimental laboratory work on factors which make up the musical mind.

### THEORY

#### Requirements:

*12 to 15 hours—30 hours total for degree*

1. Thesis: A written literary work involving original research, or an arrangement of a work, or an original work for full symphony orchestra.
2. Student must include 953, 783 and 793 or 763.
3. Applied Music: (6 hours)  
Continuation of one's applied instrument
4. Minor cognate: Any one:—  
School Music  
Applied Music  
Music Literature  
Any non-musical field of study for which the student has the requisite preparation in his bachelor's degree.

*Twelve to fifteen hours (30 hours total in all subjects)*

653. ADVANCED SCORE READING. (3-0) *Credit 3.* Transpositions and various clefs for instruments and voices; ranges of instruments; introduction to the playing of vocal and instrumental scores since the 16th century; practice in sight reading and studying such scores.

673. DICTATION AND SIGHT-SINGING. (3-0) *Credit 3.* Advanced courses in aural theory.

693. ANALYSIS OF FORM. (3-0) *Credit 3.* Practical analysis of intermediate and larger forms, eighteenth and nineteenth century harmony as illustrated in the works of Haydn, Mozart, Beethoven, Brahms, Franck, etc.

763. ADVANCED ORCHESTRATION. (3-0) *Credit 3.* Scoring for full symphony orchestra.

783. CONTRAPUNTAL AND CHROMATIC DICTATION. (3-0) *Credit 3.* Dictation and two and three-part counterpoint, and four-part chromatic harmony.

793. CHROMATIC AND MODERN HARMONY. (3-0) *Credit 3.* Harmonic materials and technique from creative and analytical angles; harmonic idiom on the period from the late nineteenth century to the present.

833. ADVANCED ORCHESTRAL CONDUCTING. (3-0) *Credit 3.* Conducting from chamber music and classical symphonic scores; conducting from Romantic and Modern scores. Examination of school music and classical symphonic scores. Examination of school music materials. Interpretation of the larger forms of instrumental music.

883. **THESIS. Credit 3.** A written literary work involving original research or an arrangement of a work, or an original for full symphony orchestra.

953. **ADVANCED ANALYTICAL HARMONY. (3-0) Credit 3.** Harmonic analysis of Chorales of Bach; piano sonatas of Beethoven, violin sonatas of Brahms, and symphonic works of Mozart, Beethoven, Wagner and Franck.

### PIANO

#### Requirements:

Undergraduate recital already given.

1. Three complete concertos
2. Material for two programs
3. Public performance of a concerto; chamber ensemble, and one recital program.

Four hours of daily practice; two one-hour lessons, one hour studio class each week; if possible, three hours each semester

*12 to 15 hours credit required (In Piano alone, 30 hours total for degree)*

**MUSIC 613—Credit 3.** Three concertos of contrasting type (Mozart, Beethoven, Brahms, Schumann, Chopin, Liszt, Tchaikowsky, Rachmaninoff, etc.)

**MUSIC 623—Credit 3.** Sufficient material for two programs including three of four major compositions of the classical and romantic school. These programs should also include a varied selection of the representative modern compositions.

Bach—Italian Concerto, toccatos, transcription by Tausig, Busoni, Liszt, etc., Chromatic Fantasy and Fugue.

Beethoven—A sonata of the grade of difficulty of Op. 53, 57, 109, 110, 111, or Chopin Sonata, and an earlier sonata; or one of Mozart, or a modern one.

Romantic Composers—Schumann—(Etudes Symphoniques); Franck—(Prel., Choral and Fugue) Brahms-Handel—(Variations and Fugue); Liszt—(Sonata, etc.).

Modern Composers—Debussy, Ravel, Scriabin, etc., Contemporary Moderns including American Composers.

**MUSIC 713—Credit 3.** Must give a public recital of a concerto in its entirety; some ensemble (Chamber, if possible), and a complete piano program.

**MUSIC 723—Credit 3.** Must have two sequences in minor cognates as: Aural Theory, Written Theory, Music Literature, Music Education or non music subjects for which the student has adequate preparation. Also if desired, applied music other than piano.

### VOICE

#### Requirements:

Undergraduate recital already given.

1. Two complete roles appropriate to the voice
2. Two complete oratorio roles.
3. Public performance with orchestra (an aria); one recital (artist's).

Three hours of daily practice. 2 one-hour lessons; one hour studio class if possible each week. 3 hours credit each semester.

*12 to 15 hours credit required in voice alone (30 hours total for degree)*

MUSIC 633—*Credit 3.* A minimum of 6 songs in each of the four languages (in addition to the undergraduate degree)—English, French, German, and Italian.

MUSIC 643—*Credit 3.* Four arias (Languages not specified).

753. THE TEACHING OF VOCAL AND INSTRUMENTAL MUSIC IN THE ELEMENTARY SCHOOL. (3-0) *Credit 3.* The organization and administration of rhythm bands and small instrumental groups in the elementary school.

## DEPARTMENT OF PHYSICAL EDUCATION AND HEALTH

### REQUIREMENTS FOR MASTER OF SCIENCE DEGREE IN PHYSICAL EDUCATION

Students without undergraduate major or minor in Physical Education will be required to complete additional courses designed to give them competence in the areas of subject matter that are basic to this field. A demonstration of skill in teaching a wide variety of Physical Education activities is required. Courses listed below are prerequisite courses:

#### I. BASIC SCIENCE:

##### A. Minimum

1. Zoology (or its equivalent)
2. Anatomy
3. Physiology

#### II. HEALTH EDUCATION COURSES:

##### A. Minimum (choice of two)

1. Personal Hygiene
2. Principles of Health Education
3. Methods of Health Education
4. Health Education

#### III. TECHNICAL TRAINING IN PHYSICAL EDUCATION

##### A. Minimum 12 hours and 2 semesters of practice

- |   |             |
|---|-------------|
| 1. Physical Education Practice                  | 2 semesters |
| 2. Introduction to Physical Education           | 3 hours     |
| 3. History and Principles of Physical Education | 3 hours     |
| 4. Organization and Administration of P. E.     | 3 hours     |
| 5. Methods and Materials in Physical Education  | 3 hours     |

Students with an undergraduate major or its equivalent, requirements for Master of Science degree in Physical Education:

#### I. BASIC SCIENCE

##### A. Minimum: 6 hours

- |                                    |         |
|------------------------------------|---------|
| 1. Physiology of Muscular exercise | 3 hours |
| 2. Kinesiology                     | 3 hours |

#### II. HEALTH EDUCATION COURSES

##### A. Minimum 3 hours

- |   |         |
|---|---------|
| 1. Methods in Health Education<br>(Or its equivalent) | 3 hours |
|---|---------|



### III. TECHNICAL TRAINING IN PHYSICAL EDUCATION

#### A. Minimum 12 hours

1. Playground and  
Community Recreation ..... 3 hours
2. Administrative Problems in  
Physical Education ..... 3 hours
3. Intramural Athletics ..... 3 hours
4. Tests and Measurements in  
Physical Education ..... 3 hours
5. Organization and Administration  
of High School Athletics ..... 3 hours

### MINOR IN PHYSICAL EDUCATION

Students without an undergraduate major or minor in Physical Education will be required to complete additional courses. Listed below are prerequisite courses to a minor in Physical Education.

#### I. BASIC SCIENCE

##### A. Minimum 8 hours

1. Zoology (Or its equivalent) ..... 4 hours
2. Anatomy and Physiology ..... 4 hours

#### II. HEALTH EDUCATION COURSES

- Minimum: (Choice of one) ..... 3 hours
1. Personal Hygiene ..... 3 hours
  2. Methods of Health Education ..... 3 hours

### III. TECHNICAL TRAINING IN PHYSICAL EDUCATION

#### A. Minimum: 10 hours

1. Physical Education Practice ..... 4 hours
2. Introduction to P. E. .... 3 hours
3. Methods and Materials of  
Teaching P. E. .... 3 hours

Students who have satisfied the above requirements may minor in Physical Education by following the schedule below:

#### I. HEALTH EDUCATION COURSES

##### A. Minimum: Choice of one (3 sem. hrs.)

1. Principles of Health Education ..... 3 hours
2. Methods of Health Education ..... 3 hours

#### II. TECHNICAL TRAINING IN PHYSICAL EDUCATION

##### A. Minimum: (Choice of three) (9 sem. hrs.)

1. Organization and Adm. of P. E. .... 3 hours  
(or) Organization and Adm. of  
High School Athletics
2. Methods and Materials in  
Physical Education  
(or) Methods and Materials in Elem. Schools. . . 3 hours
3. Intramural Athletics ..... 3 hours  
(or) Playground and Community Recreation

### PHYSICAL AND HEALTH EDUCATION

Prerequisites for a graduate major will ordinarily consist of not less than 20 semester hours of undergraduate credits in the chosen field or in some related field. A graduate minor will ordinarily be based upon not less than 12 semester hours of undergraduate work.

If the transcript of the undergraduate record of a student does not meet the above qualifications, additional satisfactory undergraduate work will be required before the student is admitted to graduate status.

It should be clearly understood that admission to the graduate school does not imply admission to candidacy for a degree.

Courses for which graduate credit may be obtained are numbered above 500. Courses numbered from 300 to 499 are for graduates and undergraduates.

Twenty semester hours of work in Physical Education Theory are required for a major, and ten hours of work for a minor.

Courses in Health Education have been listed under education.

#### COURSES

613. INDIVIDUAL PHYSICAL EDUCATION. (3-0) *Credit 3.* I or II. Making a Physical Education program meet the needs of handicapped individuals; fundamental principles in the selection and adaption of activities in corrective procedure; abnormal physical conditions that come to the care or attention of the physical director; lectures, recitations, demonstrations, reports. Prerequisites: Physical Education 314 and 324.

623. PHYSIOLOGY AND EXERCISES. (3-0) *Credit 3.* I or II. Effects of physical education activities on the individual; general affects of exercise upon bodily functions and affects of special types of exercise upon bodily functions.

633. METHODS AND MATERIALS OF TEACHING HEALTH AND PHYSICAL EDUCATION IN ELEMENTARY SCHOOLS. (3-0) *Credit 3.* Study of fundamental play needs of children of elementary school level; selection of appropriate equipment and the formation of tentative curriculum.

663. ADVANCED COURSE IN COACHING. (3-0) *Credit 3.* I or II. All phases of team play in football, basketball, track and field athletics; coaching problems.

643. CONDITIONING OF ATHLETES AND CARE OF INJURIES. (3-0) *Credit 3.* I or II. Conditioning athletes for the various sports; a practical course in First Aid and the care of injuries in the athletic program.

653. ADMINISTRATIVE PROBLEM IN PHYSICAL EDUCATION. (3-0) *Credit 3.* I or II. Coordination of the different phases of the program; administrative problems of physical education intramural and inter-collegiate athletics.

663. ADVANCED PERSONAL AND COMMUNITY HYGIENE. (3-0) *Credit 3.* I or II. Survey of significant facts related to hygiene and physiology as they bear upon personal and community life; health agencies which function in community living.

672. HISTORY AND SURVEY OF THE DANCE. (2-0) *Credit 2.* I or II. Materials and methods in all phases of the dance.

683. TUMBLING PYRAMIDS AND STUNTS. (3-0) *Credit 3.* I. Open to both men and women; tumbling, pyramids, and stunts in line with the ability of the class; advance work as the progress of the class permits.

693. METHODS AND MATERIALS OF TEACHING PHYSICAL EDUCATION IN HIGH SCHOOL AND COLLEGE. (3-0) *Credit 3.* II. Selection and presentation of material for activities; methods, organization, and teaching techniques.

### REQUIREMENTS FOR A MINOR IN HEALTH EDUCATION

Prerequisites to a minor in Health Education

#### I. BASIC SCIENCE

A. Minimum: 4 hours

1. Zoology (or its equivalent) . . . . . 4 hours

#### II. TECHNICAL TRAINING IN HEALTH EDUCATION

A. Minimum: 6 hours

1. Personal Hygiene . . . . . 3 hours  
 2. Health Education . . . . . 3 hours  
 (or, its equivalent)

Students who have satisfied the above requirements may minor in Health Education by following the schedule below:

#### I. TECHNICAL TRAINING IN HEALTH EDUCATION

A. Minimum: 12 hours

1. Public School and Community Hygiene . . . . . 3 hours  
 2. Principles of Health Education . . . . . 3 hours  
 3. Methods and Materials in  
 Health Education . . . . . 3 hours  
 4. Driver Education and Training  
 (or its equivalent) . . . . . 3 hours  
 5. Mental Hygiene (Psychology) . . . . . 3 hours

### POLITICAL SCIENCE

Students entering upon their graduate studies concentrating in Political Science must elect Political Science 563 the first semester of residence and also at least one seminar in Political Science in which the student must write an acceptable investigative paper showing the mastery of writing technique and scholarly proficiency.

Prerequisites for a major in Political Science are: (1) an undergraduate major in Political Science, 30 semester hours of credit; or (2) undergraduate minor in Political Science, 18 semester hours; or (3) a major in Social Science with six semester hours in American Government. Those students who had an undergraduate major in Political Science may elect at least twenty semester hours in Political Science from four of the six fields listed below. Those who present a minor in Political Science will be required to elect 24 semester hours in four of the six fields required. Social Science majors will be required to present 24 semester hours in six fields of concentration. All other students desiring to major in Political Science will be required to complete thirty semester hours in the six fields of concentration as listed in the suggested program below.

Majors in Political Science are required to select courses from the following six fields of concentration: (1) American Government; (2) Foreign Governments; (3) Political Parties; (4) Methodology and Theory; (5) Public Administration; and (6) International Law and Relations. Programs of study should be outlined in consultation with the Professor of Political Science.

SUGGESTED PROGRAM FOR MAJOR IN POLITICAL SCIENCE  
FOR THE MASTER'S DEGREE

Course	Hours
1. American Government	
Pol Sci 603 and 633, Constitutional Law .....	6
2. Foreign Governments	
Pol Sci 503, International Organization .....	3
Pol Sci 733, Far East .....	3
3. Political Parties	
Pol Sci 723, Political Parties and	
Election Problems .....	3
4. Methodology and Theory	
Pol Sci 703, Political Theory .....	3
Pol Sci 563, Bibliography and	
Methods of Research .....	3
5. Public Administration	
Pol Sci 573, Public Administration .....	3
6. International Law and Relations	
Pol Sci 533 and 543, American Foreign Relations .....	6
	30

*I. American Government*

513. AMERICAN LOCAL RURAL GOVERNMENT. (3-0) *Credit 3. II.* Governmental organization and functions of countries, townships and villages; rural government and school boards in Texas.

523. MUNICIPAL ADMINISTRATION. (3-0) *Credit 3. II.* Municipal government and the administrative problems involved in American cities.

*II. Political Parties*

723. SEMINAR IN POLITICAL PARTIES AND ELECTION PROBLEMS. (3-0) *Credit 3. II.* Selected election problems in the Southwest; Negro suffrage and voting participation in Texas.

*III. Foreign Government*

503. SEMINAR IN INTERNATIONAL ORGANIZATION. (3-0) *Credit 3. I or II.* Description and evaluation of agencies and procedures of international cooperation devised by states during the past 100 years; emphasis on the period since World War I.

733. SEMINAR IN GOVERNMENT AND POLITICS OF THE FAR EAST. (3-0) *Credit 3. I or II.* Political institutions in China, Japan and other Far Eastern Countries.

*IV. Methodology and Theory*

703. SEMINAR IN POLITICAL THEORY. (3-0) *Credit 2 or 3.* History of political thought from the days of Ancient Greece to the present.

563. BIBLIOGRAPHY AND METHODS OF RESEARCH. (3-0) *Credit 3.* Bibliographies; studies in the use of public documents and other sources of materials; investigation and reports on special research problems. This course is required of all majors in Political Science and is offered as Sociology 563. Political Science majors register for Political Science 563.

*V. Public Administration*

563. SOCIAL LEGISLATION. (3-0) *Credit 3.* Federal and state laws; administration of these laws; degrees of social security.

633 and 603. AMERICAN CONSTITUTIONAL LAW. (3-0) *Credit 3. I and II.* Principles of American constitutional law; political theories and national development.

563. SEMINAR IN PUBLIC ADMINISTRATION. (3-0) *Credit 3*. II. The American administrative system; and common problems underlying branches of administration; lectures, individual and group reports on some aspect of Texas Administration. Each member of the class will be required to make a written term report on some phase of public administration.

### VI. International Law and Relations

743. SEMINAR IN COMPARATIVE GOVERNMENT AND ADMINISTRATION. (3-0) *Credit 3*. II. British political institutions; contemporary government forms and functions in Europe and America; political theories and philosophies.

713. SEMINAR IN COLONIAL GOVERNMENT AND PROBLEMS OF IMPERIALISM. (3-0) *Credit 3*. The historical imperial system; colonial governments and the problems of imperialism today.

503. SEMINAR IN INTERNATIONAL ORGANIZATION. (3-0) *Credit 3*. Agencies and procedures of international cooperation during the past 100 years with emphasis on the period since World War I.

533 and 543. AMERICAN FOREIGN RELATIONS, 1775 TO THE PRESENT (3-0) *Credit 3*. I and II. The United States in its relation with the world; public opinion, the economic, social and political forces that have determined American foreign policy; and agencies through which policy has been executed.

613 and 623. PUBLIC INTERNATIONAL LAW. (3-0) *Credit 3*. I and II. The law of the international community; historic developments.

### SOCIOLOGY

Students seeking a Master's degree in Sociology should consider the following objectives and requirements:

1. A development of knowledge sufficient to make community surveys necessary for the formulation of programs of community organization.
2. A development of interest and ability of the student in the field of scientific sociology.
3. The development of an appreciation of and ability to interpret native and folk culture of the Nation and the Southwest.
4. The development of the ability to interpret mass behavior so as to make such interpretation functional in leadership.

### REQUIREMENTS

Students who major in Sociology must present a minimum of 9 semester hours in undergraduate Sociology with substantial credits in History, Political Science or Economics. Students who have had fewer than 18 hours will be required to complete additional undergraduate hours in Sociology before receiving a Master's Degree.

Students who minor in Sociology should present a minimum of 9 undergraduate hours in any of the Social Sciences.

403. INTRODUCTION TO SOCIAL CASE WORK. (3-0) *Credit 3.* I and II. Presents the point of view of the social case worker regarding human relationships, and appreciation of needs and problems causing individuals to seek help of social agencies and some understanding of the basic process of social case work practice; broad cultural as well as practical value to students going into social work, teaching (especially visiting teaching), medicine, and related professions.
423. INTRODUCTION TO SOCIAL GROUP WORK. (3-0) *Credit 3.* I or II. Fundamentals of professional group work. Deals specifically with group process and behavior, interpersonal relations, the contribution of allied fields, leadership, program, and agencies as a background for employment, in-service training, or professional education.
503. INTRODUCTION TO SOCIAL WELFARE. (3-0) *Credit 3.* I or II. Historical development of social work; fields of specialization; functions of agencies; job opportunities; and contributions of outstanding leaders. Prerequisites: Nine hours of sociology.
513. SOCIAL THEORY. (3-0) *Credit 3.* I. Historical development of theories of social science; the process by which sociology and the various social sciences came into systematic bodies of knowledge. Prerequisites: Twelve hours of sociology.
523. JUVENILE DELINQUENCY. (3-0) *Credit 3.* II. Nature, extent, and conditions giving rise to Juvenile delinquency; outstanding literature surveyed; programs treating delinquency discussed. Prerequisite: Six hours of Sociology including Criminology.
533. INTRODUCTION TO THE FIELD OF SOCIAL WORK. (3-0) *Credit 3.* I or II. An Orientation Course in the history and field of Social Work. Case work, group work, and social welfare planning as well as professional organization are considered. Required for majors and minors in Social Service.
543. URBAN SOCIOLOGY. (3-0) *Credit 3.* I. Considers the city and its hinterland as a sociological entity; urban neighborhoods, population groupings and movements, social processes, trends, and problems are treated in the light of historical, ecological and social factors.
563. SOCIAL RESEARCH. (3-0) *Credit 3.* II. A study of the various methods of social investigation, such as the social survey, the case study methods, historical, statistical and ecological techniques. Emphasis is placed on the collection, analysis and interpretation of different types of information in connection with special problems of social research. Students are required to complete an individual piece of social investigation.
573. SOCIAL STATISTICS. (3-0) *Credit 3.* II. Techniques of calculating values common to statistical analysis; simple measures of central tendencies through correlation and regression; speed and accuracy on calculating machine emphasized.
583. ANTHROPOLOGY. (3-0) *Credit 3.* I or II. A study of the origin and development of human culture. Special emphasis is placed upon schools of culture and contemporary culture. Prerequisites: Nine hours of Sociology.

593. SOCIOLOGY SEMINAR. (0-3) *Credit 3.* I or II. For seniors and graduate students desiring to do independent research or study in fields not covered by current offerings. A staff member supervises the work of each student.

603. PROBLEMS OF CHILD WELFARE. (3-0) *Credit 3.* I or II. A study of child welfare movements and of contemporary children's agencies and their services. Includes programs for improving the home and for substitute care, safeguarding health, employment protection, delinquency prevention, and other needs of children and youth.

643. MODERN SOCIAL PROBLEMS. (3-0) *Credit 3.* II. Analysis of processes of personal, family and community disorganization, methods and measures of social reform. Prerequisites: Six hours of Sociology.

733. CRIMINOLOGY. (3-0) *Credit 3.* I. Nature, extent and causes of crime; various schools of criminology, individualization of criminal treatment, and modern techniques of criminal investigation. Prerequisites: Sociology 213 and 223.

## SCHOOL OF ENGINEERING

In the School of Engineering, advanced work is offered leading to the degree of Master of Science, in the fields of Engineering and Industrial Education.

Prerequisite to major graduate work in these fields, is the completion of a four-year curriculum, substantially equivalent to that required of undergraduates in the School of Engineering

For advanced work in the School, good library facilities and laboratory equipment are provided to carry on the work suggested. Certain research problems may be made available in cooperation with other departments of the College.

## ARCHITECTURE

713-723. ADVANCED ARCHITECTURE. (0-9) *Credit 3.* I and II. Advanced problems in Architectural design; creative and functional use of materials.

733-743. CITY PLANNING. (0-9) *Credit 3.* II. Relation of urban elements to the city; residential, business, industrial, recreational, and municipal areas; transportation, traffic and street systems.

## CIVIL ENGINEERING

503. EARTH MASONRY STRUCTURES. (2-3) *Credit 3.* I, II. Design and construction of dams, retaining walls, abutments and piers, culverts, grain elevators and bins.

513. PUBLIC HEALTH ENGINEERING. (3-0) *Credit 3.* Design of water purification works and principles of sanitation.

533. REINFORCED CONCRETE DESIGN. (2-3) *Credit 3.* I. Theories of action of beams, slabs, and columns of reinforced concrete; codes and specifications and their influence on design; effect of continuity.

563. **STATICALLY INDETERMINATE STRUCTURES.** (1-6) *Credit 3.* II. Outer forces, reactions, moments and shears for fixed and moving loads, the use of influence lines, the determination of deflections of structures by methods of moment areas, elastic loads, virtual work and Williot diagrams; methods of solution for stresses in statically indeterminate structures by virtual work, slope deflection, and moment distribution; continuous beams, trusses, building frames and arches. Prerequisite: Civil Engineering 353.

743. **STRUCTURAL THEORY AND DESIGN.** (2-3) *Credit 3.* II. Statically indeterminate trusses, continuous trusses; steel arches; secondary trusses; suspension bridges; long span roofs; skeleton steel buildings and space structures.

753. **ADVANCED STRENGTH OF MATERIALS.** (3-0) *Credit 3.* I, II. Special problems met in engineering, limitations of the flexure and torsion formulas, unsymmetrical bending, curved beams, combined stresses, thin tubes, thick hollow cylinders, flat plates and localized stresses.

763. **WATER POWER ENGINEERING.** (2-3) *Credit 3.* II. Estimates of water power from steam flow data; theory and practice of hydraulic turbines; elements of design of dam, waterway and power house; cost and value of water power.

773. **RESEARCH IN CIVIL ENGINEERING.** *Maximum credit 9 hours.* Original investigation or advanced study in some field related to the practice of Civil Engineering.

### ELECTRICAL ENGINEERING

513. **ADVANCED COMMUNICATION CIRCUIT ANALYSIS.** (3-0) *Credit 3.* Theorems and properties of communication net works in steady-state and transient conditions.

533. **ULTRA-HIGH FREQUENCIES.** (3-0) *Credit 3.* I, II. Radio transmission and reception, including ultra-high frequency techniques.

533. **ELECTRIC POWER GENERATION.** (3-0) *Credit 3.* I, II. Economics and technique of electric power generation. Effect of load curve on costs; thermal efficiency and commercial economy of various heat cycles; general layout of the generating station; division of load among generating units; by-products generation.

743. **ADVANCED ALTERNATING-CURRENT MACHINERY.** (3-0) *Credit 3.* I, II. Analysis of more intricate electrical problems met in the operation of alternation-current machinery.

763. **ELECTRICAL ENGINEERING RESEARCH.** (3-0) *Credit 3.* I, II. Original investigation of special problems in the field of electrical engineering; problem selected by the student with the approval of the Department.

### GENERAL ENGINEERING DRAWING

513. **ADVANCED SHOP PRACTICE.** (0-9) *Credit 3.* I. Heat treatment, machine tool work, welding, jig, fixtures, pattern making, and any shop work that may be of special interest to student. All assignments must be approved by the Dean of the School of Engineering.

723. **GRAPHICS OF FORMULAS.** (3-0) *Credit 3.* Simple empirical equations; curve tracing and fitting; diagramming of formulas; the construction of nomographic or alignment charts, interpolation, numerical and graphical integration and differentiation, and special slide rules.



## GENERAL ENGINEERING DRAWING

562. ADVANCED DESCRIPTIVE GEOMETRY. (1-5) *Credit 2.* I, II. Graphical representation and the application of plane and space curves; advanced problems in single curved and doubled surfaces including the convolute and their developments; fundamentals of perspective and other pictorial means of representation.

## INDUSTRIAL EDUCATION

512. CURRICULUM CONSTRUCTION AND COURSE MAKING IN INDUSTRIAL EDUCATION. (2-0) *Credit 2.* I. Principles of curriculum construction and course making; study of curriculum concepts as have prevailed in modern education; comparative study of Industrial Education curricula as used throughout leading high schools; analytical technique in curriculum construction; course making and syllabus construction.

523. TESTS AND MEASUREMENTS IN INDUSTRIAL EDUCATION. (3-0) *Credit 3.* II. Sources of instructional testing and evaluating materials; construction and use of test and evaluating devices; administering, scoring, recording and interpreting tests, progress charts, diagnosis of difficulties, analysis of teaching problems as related to evaluation.

533. INSTRUCTIONAL METHODS IN INDUSTRIAL EDUCATION. (3-0) *Credit 3.* I. Study of methods devices, techniques as applied to teaching industrial subjects; analysis and evaluation of student learning difficulties and teaching responsibilities in industrial classes; also study of the nature, preparation and use of instruction sheets.

542-3. TRADE AND JOB ANALYSIS. (2-0) (3-0) *Credit 2 or 3.* II. Analysis technique as it has been developed by various leaders in Industrial Education; job analysis for the purpose of determining the content of training for an occupation; related content analysis for determining what should be taught as classroom material; analysis of a trade, industry or industrial plant for determining the general outline of a program of trade or industrial training.

563. THE GENERAL SHOP. (3-0) *Credit 3.* II. The general shop organization, its contribution to attainment of cardinal objectives on the modern high school, current practices as to type of shops, equipment, instructional materials and procedures.

583. INDUSTRIAL ARTS FOR THE ELEMENTARY SCHOOL. (2-0) *Credit 2.* I and II. A course designed for teachers, supervisors, principals of elementary schools. Fundamental concepts, philosophies of Industrial Arts in the elementary school; function and scope, organization, administration, activities and methods of teaching Industrial Arts on the elementary level.

593. AUDIO AND VISUAL EDUCATION. (3-0) *Credit 3.* II. Study of the various audio and visual aids with emphasis on selection, evaluation and technique of educational use; construction and development of various aids and devices; sources of available materials in the field; practical experience in use of aids as movie projectors, slides, film strips, opaque projects, etc.

712-3. ADMINISTRATION AND SUPERVISION OF INDUSTRIAL ARTS EDUCATION. (2-0) (3-0) *Credit 2 or 3*. I. How to organize, supervise and administer functioning programs of Industrial Arts; the duties of a supervisor and director of Industrial Arts; special problems of supervision and Administration of Industrial Arts; relationships to local, state and federal educational authorities, correlating Industrial Arts with other phases of education.

722-3. ADMINISTRATION AND SUPERVISION OF VOCATIONAL-INDUSTRIAL EDUCATION. (2-0) (3-0) *Credit 2 or 3*. II. The administration and supervision of Vocational-Industrial Education in all day, part-time and evening programs, apprenticeship, school-industry programs, vocational rehabilitation; relation of federal to state, state to local each to the other; a study of the legal administrative and supervisory aspects of Vocational-Industrial Education as it operates under the Smith-Hughes and George-Borden Act; also, the State Plan for Vocational Education.

732-3. PHILOSOPHY OF INDUSTRIAL EDUCATION. (2-0) (3-0) *Credit 2 or 3*. I. Fundamental concepts of progressive Industrial Education; principles, beliefs, and assumptions in regard to Industrial Education; its objectives and relationship to other phases of education; its justification in the total scheme of modern education.

743. THE HISTORY OF INDUSTRIAL EDUCATION. (3-0) *Credit 3*. II. A survey of the early movements, experiments and writings concerning leaders of the United States and European countries. Intensive study of developments in Industrial Education since 1850. A comparative study of leaders, movements, institutions and literature in the field of Industrial Education.

753. PRACTICES IN INDUSTRIAL EDUCATION. *Maximum credit 6 hours*. Development of current problems as reflected through the merging of practical experience with theoretical and scientific concepts.

763. RESEARCH AND THESIS WRITING. (3-0) *Credit 3*. I and II. Required of all majors in Industrial Education. Methods and techniques of research writing and reporting. Designed especially for students who are to write thesis or lesser reports.

783. PROBLEMS IN INDUSTRIAL EDUCATION. (3-0) *Credit 3*. I and II. Conferences and advisement in selection and preparation of an acceptable term paper or essay. Prerequisite: I.E. 763.

792-4. THESIS IN INDUSTRIAL EDUCATION. (2-0) (4-0) *Credit 2 or 4*. Conferences and advisement in relationship to the selection and preparation of an acceptable thesis for the Master of Science Degree. Prerequisite I.E. 763.

## MECHANICAL ENGINEERING

503. REFRIGERATION. (3-0) *Credit 3*. I or II. The application of thermodynamics to problems of refrigeration; types of refrigerating machines and plants, refrigerants, icemaking, cold storage, cooling of air, liquids and solids, construction details of commercial and household refrigerating plants and their economic operation.

523. FLOW OF FLUID AND HEAT TRANSFER. (3-0) *Credit 3*. I or II. Review of first and second laws of thermodynamics, compressors, refrigeration cycles. The design of apparatus for heat transfer by conduction, convection, and radiation, with particular reference to heat exchangers, air preheaters, economizers, evaporators, boilers and condensers.

703. ADVANCED POWER PLANTS. (3-0) *Credit 3.* I or II. Modern power plants; the design and installation of high pressure boilers, economizers, air preheaters, modern fuel burning furnaces, and automatic combustion controls; various steam cycles and types of auxiliary drive; their effect on station heat balance; discussion of deaerators, evaporators, condensers, heaters, etc., including turbin and machinery foundations and layouts.

713. ADVANCED ENGINEERING THERMODYNAMICS. (3-0) *Credit 3.* I, II. Advanced phases of engineering thermodynamics, including the examination of the validity of recent data, theories and formulations for their adaption to engineering practice.

723. ADVANCED MACHINE DESIGN. (3-0) *Credit 3.* I or II. Material selection, working stresses, factors of safety, machine frames, fastenings, universal joints, gears, shafts, couplings, clutches, brakes of bearings.

733. DYNAMICS OF MACHINERY. (3-0) *Credit 3.* II. Advanced dynamics of machinery; inertia effects, torque characteristics, flywheel design and the balancing of multiple cylinder engines and compressors; critical speed and the design of turbine drums.

793. RESEARCH IN MECHANICAL ENGINEERING. *Maximum credit 9 hours.* Original investigation or advanced study in the field of Mechanical Engineering.

## SCHOOL OF HOME ECONOMICS

### GENERAL HOME ECONOMICS

Prerequisites: Students desiring to major in Home Economics must present undergraduate subject matter credits in certain of the following: Social sciences, physical sciences, biological sciences, art, and education, which shall be satisfactory to the adviser under whose direction the major work is to be done. In addition the student must have adequate undergraduate training in that field of Home Economics in which she wishes to specialize.

A "split major" may be taken in Home Economics Education and General Home Economics; a minor may be selected in General Education, Administration and Supervision, or Rural Education. Students may also major in Home Economics Education and minor in General Home Economics, or in General Education, or in Administration and Supervision, or in Rural Education.

### GENERAL HOME ECONOMICS COURSES

701. SEMINAR IN FOODS. (3-0) *Credit 3.* I and II. Reviews and interpretations on the field of foods and experimental food preparation, involving individual assignments and oral and written reports.

703. SEMINAR IN NUTRITION. (3-0) *Credit 3.* I and II. Review and interpretation of the literature of this field, emphasizing recent advances and involving individual assignments and reports.

753. CLOTHING ECONOMICS. (3-0) *Credit 3.* I. Aspect of clothing which directly or indirectly affect the consumer.

763. PROBLEMS IN HOME ECONOMICS. (3-0) *Credit 3.* II. Investigation of selected problems in a particular area. Independent study, and written and oral reports.

773. ADVANCED CLOTHING. (3-0) *Credit 3.* Advanced problems in garment construction; selection, design and construction of suitable clothing for both children and adults.

## HOME ECONOMICS EDUCATION

523. RESEARCH PROBLEMS. (3-0) *Credit 3*. I or II. Methods used in collection, treatment and interpretation of data in the field of Home Economics. (Formerly called "Organization and Presentation.")

723. EDUCATIONAL MEASUREMENT. (3-0) *Credit 3*. II. Home Economics subject matter tests, scales, construction and evaluation of objective devices.

743. STATISTICAL TECHNIQUES. (3-0) *Credit 3*. I or II. Methods of interpretation and utilization of test data.

793. HOME ECONOMICS CURRICULA. (3-0) *Credit 3*. I. The objectives of home economics in high schools; recent surveys and other methods used in determining content of curricula.

3X3. RESEARCH. (3-0) *Credit 0*. I or II. Thesis involving extensive study of chosen problems.

## MASTERS DEGREES CONFERRED—1938-1950

## 1938-1939

- HARRISON, ARMYE J. Major—Administration and Supervision Minor—Rural Sociology  
Thesis: A Case History of Pickard High School, Brenham, Texas, 1949
- RHONE, FRIEDA E. Major—Rural Sociology Minor—Rural Education  
Thesis: The Recreational Activities of Rural Youth in Waller County, Texas, 1939-40
- DAVIS, WILLIAM L. Major—Administration and Supervision Minor—General Education  
Thesis: A Coordinating Community Program
- GOODEN, JOHN EDDIE Major—Administration and Supervision Minor—Sociology  
Thesis: A Comparative Study of the Family Background
- MAYFIELD, CHARLOTTE Major—Administration and Supervision Minor—Sociology  
Thesis: Improving the Curriculum
- PUNCH, OSSALEE V. Major—Administration and Supervision Minor—Rural Sociology  
Thesis: A Tentative Guidance Program
- WILLIAMS, WILLIE LEE Major—Administration and Supervision Minor—Rural Sociology  
Thesis: History of Booker T. Washington High School

## 1940-1941

- ANDREWS, ROBERT Major—Administration and Supervision Minor—Rural Sociology  
Thesis: Availability of Education to Negroes in Waller County, Texas
- ARMSTRONG, IRA E. Major—Administration and Supervision Minor—General Education  
Thesis: Historical Study of Public Elementary School in San Antonio, Texas
- BRADY, ARTHUR E. Major—Administration and Supervision Minor—General Education  
Thesis: An Appraisal of the Reorganization of the San Antonio Schools
- CLATER, MARIE Major—Administration and Supervision Minor—English  
Thesis: An Analysis and Appraisal of the Aims of Negro Teacher-Colleges in Texas
- COLLINS, WILLIAM Major—Agricultural Education Minor—Rural Sociology  
Thesis: Health Conditions of One Hundred Negro Households in Schulenburg, Texas
- HERALD, A CLYDE Major—Chemistry Minor—Education  
Thesis: The Formation and Study of Certain Alkamine Esters of Substituted Cinnamic Acids
- JONES, LAURA NICHOLS Major—Administration and Supervision Minor—Rural Education  
Thesis: A Survey of the Visual Aids Used In Waller County Schools
- PERRY, VIRGINIA B. Major—Rural Education Minor—Rural Sociology  
Thesis: Recreational Activities of Blackshear Elementary School
- WELLS, THELMA N. S. Major—Administration and Supervision Minor—Rural Education  
Thesis: Some Reading Deficiencies of Negro Children of Waller County
- WILLIAMS, SAMUEL B. Major—Chemistry Minor—Physics  
Thesis: The Formation and Study of Certain Benzoin and Some of Their Derivatives

## 1941-1942

- ARCHIA, ERNEST A. Major—School Administration Minor—Political Science  
Thesis: A Ten Year Follow-Up Study of the Sixty Graduates and Ninety-Two Drop-Outs of the George Washington Carver High School, Goose Creek, Texas

- BURTON, T. H. Major—Administration and Supervision Minor—Rural Education  
Thesis: A Recommended Program of Principal-Teacher Supervision For Center Point School, Pittsburg, Texas
- CALDWELL, HERMAN Major—Administration and Supervision Minor—Rural Education  
Thesis: Some Causes of Irregular Attendance in the Negro Public Schools of Texarkana, Arkansas
- COLLINS, STELLA Major—Administration and Supervision Minor—History  
Thesis: A Comparative Study of the Compulsory Attendance Laws of the Southern States With Special Emphasis Upon the Attendance Laws of Texas
- FULLER, RUBY W. Major—Home Economics Minor—Administration and Supervision  
Thesis: The Effect of Home Produced Foods Upon the Eating Habits of Pre-School Children in Henderson County, Texas
- HALL, OLIVIA W. Major—General Home Economics Minor—General Education  
Thesis: Homemaking Unit For Adults Based On A Study of the Residents of the D. N. Leathers Slum-Clearance Project at Corpus Christi, Texas
- HAYES, JENNIE V. Major—History Minor—Political Science  
Thesis: History of the United Transport Service Employees of America
- HINES, LILLIE BELLE Major—Rural Education Minor—General Education  
Thesis: A Comparative Study of Some Current Practices in Elementary Education As Found in Negro Schools in Travis County
- JOHNSON, A. SODERS Major—English Minor—General Education  
Thesis: A Proposed Program of Language Arts for Ninth Grade of Booker T. Washington High School, Marlin, Texas
- LIVINGSTON, LORA Major—General Education Minor—Rural Education  
Thesis: A Study of the Needs and Possibilities for the Teaching of Art in the Negro Elementary Schools of Houston, Texas
- LUTER, BUCKNER S. Major—Agricultural Education Minor—Administration and Supervision  
Thesis: Organizing New Farmers of America For Proficiency in Agricultural Vocations
- McDONALD, A. W. Major—Administration and Supervision Minor—Political Science  
Thesis: A Status Study of the Graduates of Central High School for the Five-Year Period, 1932-1936, With Implication for Curriculum Reorganization
- POOLE, JONES SADIE N. Major—Rural Education Minor—Rural Sociology  
Thesis: A Study of Methods and Materials As Can Be Applied To The Improvement of Junior High Schools
- REYNOLDS, LOIS Major—Sociology Minor—Economics  
Thesis: Sustenance Position of Texas Negro Domestic Servants in the Texas Economy
- RICHARDS, BESSYE Major—Home Economics Education Minor—Sociology  
Thesis: A Study of the Effects of Part-Time Employment Upon the Scholastic Achievement of Home Economics Students at Prairie View State College, 1926-1940
- SASSER, ANNIE G. H. Major—Mathematics Minor—Rural Education  
Thesis: Functions and Functional Relationships in Secondary Mathematics
- TAYLOR, SAMUEL B. Major—Political Science Minor—Economics  
Thesis: The Administrative Organization of the State of Texas
- THOMAS, BESSIE Major—Rural Education Minor—Rural Sociology  
Thesis: A Study of the Advantages and Disadvantages of the Consolidated Negro Schools in Waller County, Texas
- TURNER, FALBIA A. Major—Sociology Minor—History  
Thesis: Some Factors Giving Rise to Differential Grouping Among the Pupils of Trinity Garden Elementary School of Houston, Texas

## 1942-1943

- ALEXANDER, ZELEMOR Major—Administration and Supervision Minor—General Education  
Thesis: A Study of the Records Used in Twenty-Five Representative Negro High Schools of Texas
- ANDERSON, CORA BELLE PASLEY Major—Administration and Supervision Minor—Elementary Education  
Thesis: The Current Attitude of Teachers Regarding Disciplinary Problems in the Negro Elementary Schools of Houston, Texas
- BARNETT, JEWEL LOVETTA Major—Rural Education Minor—General Education  
Thesis: Education Availability for Negro Girls and Boys in Lincoln County, Oklahoma
- BROWN, ANNIE LOIS Major—Home Economics Education Minor—General Education  
Thesis: A Study of the Interests and Aversions of Homemaking Pupils in seventy-four Vocational Schools of Texas
- CAMERON, BELLA HOLLEY Major—Administration and Supervision Minor—General Education  
Thesis: An Analysis of Progressive Elementary Education With Proposals for the Improvement of Instruction in Cuney Elementary School, San Antonio, Texas
- HARRIS, CORNELIUS ALFRED, JR. Major—Administration and Supervision Minor—General Education  
Thesis: An Analysis of Some Factors Affecting Attendance At Booker T. Washington School in Galveston, Texas

- JOHNSON, VALERIE BERTINA Major—Biology Minor—General Education  
Thesis: Studies in Abdominal Distention
- JOHNSON, BESSIE HALLOWELL Major—English Minor—General Education  
Thesis: An Investigation in Progress in Reading Ability of One Hundred Senior Pupils of Phillis Wheatley High School, Houston, Texas
- JOHNSON, W. L. D. SR. Major—General Administration Minor—Social Science  
Thesis: Organization of the Public Schools in Houston, Texas, 1905-1940
- KILPATRICK, MABEL EUNICE Major—English Minor—Education Administration and Supervision  
Thesis: A Study of Reading Achievement at H-6 Grade Level in the Negro Elementary Schools of Houston, Texas
- MULDREW, GEORGIA HILBURN Major—Physical Education Minor—English  
Thesis: Factors Influencing the Health of Negroes in Houston, Texas
- SANDERSON, JAMES CHARLES SUMMER Major—Education Minor—Political Science  
Thesis: Eliminations in the Wheatley High School in Houston, Texas, 1937-1941
- VAUGHN, FLORENCE E. FOWLER Major—English Minor—Rural Education  
Thesis: A Reading Program for the Ninth Grade of the St. Paul High School, Greenville, Texas
- WASHINGTON, JORDAN THOMAS Major—Administration and Supervision Minor—Rural Education  
Thesis: Adequacy of Public Education for Negroes of Jasper County, Texas
- WILSON, LUCELUSTINE WALKER Major—General Education Minor—Education Administration and Supervision  
Thesis: A Study of Progressive Education as Practiced in Negro Secondary Schools of Texas

## 1943-1944

- ADAMS, ALLENE ARCHIA Major—History Minor—General Education  
Thesis: The Development of the Oil Industry in the Baytown Area, Especially As It Affects the Employment and Welfare of Negroes
- BARLOW, MICHEAL K. Major—Administration and Supervision Minor—Rural Education  
Thesis: A Study of Retardation in Five Negro High Schools in Fort Bend County, Texas
- BLAND, REDA LEE Major—General Education Minor—Mathematics  
Thesis: The Function of Mathematics in General Education
- BLANKS, VITTORIA C. Major—English Minor—Education  
Thesis: The Status of Reading Ability Among Prairie View College Freshmen: An Exploratory Study
- BROOKS, WINZOLA DUVAL Major—General Education Minor—Administration and Supervision  
Thesis: A Remedial Reading Program Designed to Meet the Difficulties Found in the Fourth Grade of Coles School, Corpus Christi, Texas
- BUTLER, EULALIA VELMA Major—Mathematics Minor—General Education  
Thesis: Maxima and Minima of Functions of One and Two Variables
- CLEMONS, ROSA ELLEN Major—Rural Education Minor—General Education  
Thesis: Problem of Studying, Collecting, and Arranging Curriculum Material That May Be Used in the Teaching of Elementary Science for Primary Grades
- CONNER, JEFFIE O. A. Major—Home Economics Minor—Rural Sociology  
Thesis: A Study of Four Hundred and Sixty Negro Farm Families in Three Texas Counties
- CRAWFORD, BERTHA O. Major—Administration and Supervision Minor—Rural Education  
Thesis: A Study of a Remedial Reading Program and Its Effect On the Improvement of Reading in the Fifth and Sixth Grades of the Bruce Elementary School, Houston, Texas
- FENNOY, THELMA RAND Major—Sociology Minor—Economics  
Thesis: The Spatial Distribution of Deaths in the City of Houston, Texas
- HATHAWAY, SARAH LEE Major—English Minor—Mathematics  
Thesis: Sectioning Freshman English on the Basis of Reading Test Scores
- JACKSON, L. K. Major—Educational Administration Minor—History  
Thesis: The Organization and Administration of Thirty-Four Selected Small Negro High Schools in Oklahoma
- KENYON, MATTIE BELZORA Major—Administration and Supervision Minor—Rural Education  
Thesis: A Rural Elementary School Report That Will Meet the Needs of the Pupils, Patrons, and Teachers of the Negro Schools of Oklahoma County
- LANGRUM, HENRY CLAY Major—Agricultural Education Minor—Rural Sociology  
Thesis: Evidences of Effectiveness of Instruction in Vocational Education Agriculture in Houston County, Texas
- MALONE, VERA E. Major—General Education Minor—Rural Education  
Thesis: A Suggested Plan for the Education of the Physically Handicapped Children in the Waco Elementary School

- MERRICK, PORTIA CONRAD Major—Administration and Supervision Minor—Sociology  
Thesis: A Comparative Study of Factors Probably Relating To Attendance in East Baton Rouge Negro Rural Schools
- PHILLIP, JIMMIE RUTH Major—Homemaking Minor—General Home Economics  
Thesis: A Proposed Survey Course for Freshmen Home Economics Students at Prairie View Normal and Industrial College
- RANDLE, IRENE ETHELIND Major—Administration and Supervision Minor—Rural Education  
Thesis: A Comparative Study of Common Schools for Negroes in Brazos County
- ROBERTSON, ATHAL XIMINIA Major—Biology Minor—Education  
Thesis: The Effects of Colchicine on Germination and Polyploid Development of Watermelons
- SANDERS, RETA MAE Major—Rural Education Minor—Administration and Supervision  
Thesis: The Development of the Workshop Idea in the Program of Higher Education for Negroes in Texas
- SEALS, LIZZIE EMMA Major—General Education Minor—English  
Thesis: A Study of How the Coordinated Program Functions in Community Life Development in Smith County, Texas
- SNEED, BEATRICE B. Major—Rural Education Minor—General Education  
Thesis: A Study of Cuney Community for the Purpose of Developing a Functional Primary Curriculum
- TAPSCOTT, GERTRUDE Major—Rural Education Minor—Home Economics  
Thesis: A Plan for Helping Teachers of Cherokee County Discover and Make Use of Community Resources as Elementary Curriculum Materials
- WITHERSPOON, LOTTIE B. Major—Foods Minor—Rural Sociology  
Thesis: A Study of the Food Consumption of Eighty-Six Families Dining Hall

## 1944-1945

- ALLEN, ALBERTA S. Major—Home Economics Minor—Rural Education  
Thesis: A Study of the Food Consumption of Eighty-Six Families in Carlsbad, New Mexico
- AUSTIN, R. S. Major—Administration and Supervision Minor—Agricultural Economics  
Thesis: A Comparative Study of the Training, Experiences, Duties And Responsibility of East Texas Negro School Principals
- DACUS, DALTON F. Major—Agricultural Education Minor—Agricultural Economics  
Thesis: Some Factors Affecting Vocational Education in Agriculture
- DEAN, JULIA K Major—English Minor—General Education  
Thesis: A Study of the Analysis of the Errors Made by Prairie View Freshmen for the Year, 1944-1945
- ELLIS, DELIA HALL Major—Home Economics Education Minor—Education  
Thesis: A Comparative Study of Marks Earned by Native and Transfer Home Economics Students
- HARRISON, C. A. Major—Rural Education Minor—Rural Sociology  
Thesis: Determining Courses of Study in Farm Mechanics For Texas Based on the Analysis of the Need of 300 Negro Farmers
- HARRISON, RAY ALFRED Major—Agricultural Education Minor—Agricultural Economics  
Thesis: Teaching NFA in a Regular Program of Vocational Agriculture
- JACKSON, CHARLES E. Major—Administration and Supervision Minor—General Education  
Thesis: A Study of Educational Provisions for Negroes in Gregg County
- JACKSON, GWENDOLYN Major—Piano Minor—Music Theory  
Thesis: Orchestral Transcription of Beethoven's Piano Sonata, Opus 57, First Movement
- JOHNSTON, WILLIAM CLIFFORD Major—Administration and Supervision Minor—Political Science  
Thesis: The Relationship Between Vocabulary of Scholastic Achievement of a Group of Prairie View University Students
- KEMP, I. B. Major—Industrial Education Minor—Administration and Supervision  
Thesis: The Status of the Negro Industrial Worker in Houston, Texas
- LANGRUM, MABLE P. Major—Administration and Supervision Minor—Rural Education  
Thesis: A Study of Some Supervisory Practices in Some Selected Schools in East Texas With Recommendations for Improvement
- NICHOLAS, JOSEPHINE C. Major—Home Economics Minor—Education  
Thesis: A Comparative Study of Grades of Home Economics Graduates of Prairie View College, 1939-1944
- PERRY, DOUGLASS D. Major—History Minor—Education  
Thesis: Black Populism: The Negro in the People's Party in Texas
- PURYEAR, BRYTE HOOVE Major—Administration and Supervision Minor—Sociology  
Thesis: An Analysis of Punctuation Errors of Three Hundred Freshmen at Prairie View State College

- RANDALL, BEATRICE HOGAN Major—English Minor—Education  
Thesis: An Analysis of Punctuation Errors of Three Hundred Freshmen Students of Prairie View College, 1944-1945
- REESE, GOLDIE B. Major—Elementary Education Minor—Administration and Supervision  
Thesis: Noon-Hour Recreation in the Elementary Schools of Houston, Texas
- STUBBLEFIELD, BEAUREGARD Major—Mathematics Minor—Chemistry  
Thesis: Computation of All the Real and Complex Roots of Algebraic and Transcendental Equations
- THOMAS, BENJAMIN F. Major—Administration and Supervision Minor—Agricultural Education  
Thesis: A Survey of the Health Conditions of the Negro School Children in Ellis County
- THOMAS, O. J. Major—Agricultural Education Minor—Rural Sociology  
Thesis: Suggested Principles and Practices for Cooperative Teaching With Special Reference to the Part to Be Taken By Vocational Agriculture
- WALLS, PAULINE A. Major—Political Science Minor—Sociology  
Thesis: The Potentiality of the Negro Vote in Texas

## 1945-1946

- ANDERSON, ARCHIE B. Major—Administration and Supervision Minor—Sociology  
Thesis: A Study of Classroom Instruction in Five Harris County Schools
- EVERYHARDT, SARAH A. Major—Education Minor—History  
Thesis: Developing a Postwar Community School Program Through the High School Social Studies of the Furney Richardson School
- BATTS, WILLIAM M. Major—Administration and Supervision Minor—Rural Education  
Thesis: What the General Baptists of Texas (Negro) Want Educationally, With Suggestions for Improvement
- BOONE, LOLITA A. Major—English Minor—Education  
Thesis: A Critical Study of the English Teachers in a Texas County, Particularly as Their Attitudes, Abilities and Interest Affect the Background of Their Students, 1945-1946
- DAVID, VEOLA E. Major—Administration and Supervision Minor—Education  
Thesis: A Proposed Vocational Guidance Program for the Junior High Schools of Madison County, Texas
- DOWNS, WALLACE E. Major—Agricultural Economics Minor—Agricultural Education  
Thesis: Influences of Soil Conservation on the Farming Program of 100 Farmers in the Grambling Area, Lincoln Parish, Louisiana, 1940-45
- GASTON, JOHNNIE L. Major—Sociology Minor—Education  
Thesis: Relation of Socio-Economic Status and General Intelligence
- GEE, RUTH ELLA Major—Administration and Supervision Minor—Home Economics  
Thesis: The History and Development of Prairie View Training School From 1916-1946
- HARDMAN, VEORIA M. Major—English Minor—Education  
Thesis: An Analysis and Evaluation of the Freshman Reading Program of Prairie View University for the Year 1945-1946
- HINES, VIVIENNE P. Major—General Education Minor—Rural Education  
Thesis: An Analysis of the Status of the Negro Teachers of West Texas
- HOGAN, WILMA R. Major—English Minor—Education  
Thesis: The Negro in Contemporary American Fiction
- HUMPHREY, THOMAS W. Major—Administration and Supervision Minor—Agricultural Education  
Thesis: A Survey of the Vocational Guidance Practices in 103 Negro Schools of Texas
- JOHNSON, BLANCHE E. Major—Education Minor—Political Science  
Thesis: An Analysis of In-Service Teacher Traits Preferred by Students, Parents and Student Teachers of the Prairie View University Training School, 1945-1946
- JOHNSON, JESSE W. Major—Biology Minor—Chemistry  
Thesis: An Algeological Study of the Vicinity of Prairie View, Texas
- JOHNSON, WALTER L. D. Major—Administration and Supervision Minor—Elementary Education  
Thesis: An Investigation in Pupil Achievement in Relation to Intelligence and Personality Patterns of Two Hundred Twenty-Eight Pupils of Jack Yates Senior High School, Houston, Texas
- KENYON, HARRY C. Major—Administration and Supervision Minor—Political Science  
Thesis: The Relation Between Intelligence Rating and Teachers' Marks: A Study of Freshmen at Prairie View University, Prairie View, Texas
- LEE, WISTER M. Major—Administration and Supervision Minor—Physical Education  
Thesis: An Evaluation of the Physical Education Program at Prairie View University, Prairie View, Texas
- McDONALD, ELOISE S. Major—Administration and Supervision Minor—Physical Education  
Thesis: A Suggested Recreation Program for the Lufkin Community
- MILLARD, ETHEL K. Major—Administration and Supervision Minor—Elementary Edu-



- cation  
 Thesis: An Inquiry into the Relationship Between Home Condition and Scholastic Achievement in Arithmetic  
 NELSON, ISAAC T. Major—Agricultural Education Minor—Education  
 Thesis: A Comparative Study of Records Made by Students in the Division of Agriculture from Vocational and Non-Vocational High Schools  
 RICHARDS, EUDORA H. Major—Administration and Supervision Minor—Rural Education  
 Thesis: A Program for the Fourth and Fifth Grades of the Colored Elementary Schools—Goose Creek, Texas  
 TARROW, WILLIE A. Major—History Minor—Administration and Supervision  
 Thesis: A University for Negroes of Texas: A Promise Unfulfilled  
 THOMPSON, ORA MAE Major—Home Economics Minor—Education  
 Thesis: Family Life Education in Negro Schools of Waller County, Texas  
 THOMPSON, WARDELL D. Major—Agricultural Education Minor—Administration and Supervision  
 Thesis: N.F.A. Instruction in Vocational Agriculture in Area IV, Texas  
 WESLEY, FRANKLYN D. Major—Industrial Education Minor—Mechanic Arts  
 Thesis: Standardization of Industrial Arts Courses in Texas  
 WILLIAMS, IKE W. Major—Agricultural Education Minor—Administration and Supervision  
 Thesis: A Study of Animal Husbandry Practices of One Hundred Negro Farmers in Anderson County, Texas

## 1946-1947

- ABERNETHY, RUBY O. P. Major—Home Economics Minor—Education  
 Thesis: Home Activities of Eighth Grade Girls Taking Vocational Homemaking in Texas  
 ACKERMAN, BENNIE G. Major—Physical Education Minor—Administration and Supervision  
 Thesis: Physical Education and its Function in the Secondary School With a Suggestive Program for L. M. Terrell High, Fort Worth, Texas  
 ANDERSON, MOZZELLE Major—Elementary Education Minor—Biology  
 Thesis: A Survey of The Health Records and Their Implication in the Negro Elementary Schools of Houston, Texas  
 ARMSTRONG, WILLIAM L. Major—Education Minor—English  
 Thesis: A Survey of Errors in Senior Grammar at Lincoln High School, Dallas, Texas  
 AUSTIN, EFFIE B. Major—Administration and Supervision Minor—English  
 Thesis: A Study of the Attitudes of Parent-Teachers Toward Modern Education in the Negro Elementary School of Tyler, Texas  
 BLANCHETTE, JACOB S. Major—Administration and Supervision Minor—Elementary Education  
 Thesis: Status of Negro Teachers of Creek County, Oklahoma  
 BOYER, JACOB L. Major—Administration and Supervision Minor—Agricultural Education  
 Thesis: A Survey of Certain Personnel Aspects of the Cooperative Extension for Negroes in Texas  
 BREEDING, FIDELUS DELL Major—Administration and Supervision Minor—Industrial Education  
 Thesis: A Study of the Status of Prairie View Veterans  
 BURNS, ANDREW JACKSON Major—Agricultural Education Minor—Administration and Supervision  
 Thesis: A Study of the Educational Status and Responsibilities of Negro Teachers of Vocational Agriculture in Texas  
 BUSBY, JEROME Major—Administration and Supervision Minor—Elementary Education  
 Thesis: Some Factors Involved in Failure at Jack Yates High School, Houston, Texas  
 CARROLL, WILLIE H. Major—English Minor—Administration and Supervision  
 Thesis: A Study of Functional Grammar  
 COSS, ROBERT W. Major—Agricultural Economics Minor—Agricultural Education  
 Thesis: The History, Types of Projects, Plans and Policies of the Farm Security Administration  
 EVANS, EDWARD B. JR. Major—Physical Education Minor—Administration and Supervision  
 Thesis: A Suggestive Plan for the Reorganization of Interscholastic Athletics  
 HAMILTON, GENERAL E. Major—Biology Minor—Administration and Supervision  
 Thesis: A Study of the Structure of Hair With Special Reference to a Negro Child During First Years of Growth  
 HARRINGTON, JAUNITA S. Major—Political Science Minor—History  
 Thesis: War Propaganda in the United States Through Foreign Bureaus of Information  
 HENRY, IRA CORINE Major—Education Minor—English  
 Thesis: A Study of Speed Defects in the Vilden High School, Gladewater, Texas With Suggestions of Improvement

- JACKSON, MARY CHAMBERS Major—Administration and Supervision Minor—Sociology  
 Thesis: An Analysis of the Leisure-Time Interest of Children, Teen Ageds, and Adults of Oak Addition of Pelly, Texas
- KENNARD, MITTIE GRACE Major—Music Education Minor—Piano  
 Thesis: The Relationship of Texas College to Standards of Music in Public Schools
- MARKS, CURTIS MIRABEAU Major—Agricultural Economics Minor—Administration and Supervision  
 Thesis: A Study of the Type of Farming and of Farm Income of Fifty Negro Farmers in Waller County, Texas
- MASON, LEON U. Major—Agricultural Education Minor—Administration and Supervision  
 Thesis: A Suggestive Program of Work in Agriculture of Harrison County
- MINFIELD, FRANKIE C. Major—Administration and Supervision Minor—Elementary Education  
 Thesis: A Program for the Improvement of the Social Needs of the Piney Point Community
- MOODY, RICHARD A. Major—Agricultural Economics Minor—Rural Education  
 Thesis: A Plan of Work for the Neches-Sabine Soil Conservation District
- MORGAN, FLETCHER, JR. Major—Agricultural Economics Minor—Agricultural Education  
 Thesis: A Study of The Economic Status of Fifty Negro Farmers of Matagorda County, Texas
- MYERS, EWITT S. Major—Administration and Supervision Minor—Agricultural Education  
 Thesis: A Survey of Negro Teachers in the Elementary School in Brazoria, Texas
- NAVES, BESSIE FARRIS Major—Administration and Supervision Minor—English  
 Thesis: A Comparative Analysis of the Curricula of Ten of the Leading Colored High Schools in Texas
- NORMAN, GLAUCUS P. Major—Administration and Supervision Minor—Elementary Education  
 Thesis: A Proposed Plan for Vocational Guidance For the Anderson High School, Austin, Texas
- RICHARDSON, WILLIE Y. Major—Elementary Education Minor—Administration and Supervision  
 Thesis: A Comparative Study of Reading Abilities of Anglo-American, Negro American, and Latin-American of San Antonio Public Schools, San Antonio, Texas
- SADBERRY, EDGAR L. V. Major—Physical Education Minor—Administration and Supervision  
 Thesis: A History of Major Sports in the Southwestern Negro Athletic Conference from 1920-1947
- SMITH, ALLEN FRANKLIN Major—Physical Education Minor—Administration and Supervision  
 Thesis: A Health and Physical Education Program for the Mineola School
- STUBBLEFIELD, CEDRIC T. Major Chemistry Minor—Mathematics  
 Thesis: A Chemical Investigation of the Senna Bean (Sesbania Macrocapa)
- SUTTON, GEORGE D. Major—Administration and Supervision Minor—Agricultural Education  
 Thesis: A Study of the Causes of Irregular Attendance in the Negro Public Schools of Fort Worth, Texas
- WARNER, DILLARD Major—Music Education Minor—Piano  
 Thesis: The Status and Problems of Music Appreciation in the Negro High Schools of Texas with Remedial Measures
- WARREN, GLORIA GERALD Major—Home Economics Education Minor—Administration and Supervision  
 Thesis: College Home Economics as a Functional Factor in Home Management Based on Opinion of Some Married Graduates
- WHITE, CARRIE B. Major—History Minor—Education  
 Thesis: The Development of Higher Education for the Negro in the South From 1890 to 1914 with Special Reference to Land-Grant Colleges
- WHITE, GAZZELLA M. Major—Administration and Supervision Minor—Rural Education  
 Thesis: A Proposal For Development of A Training School at The Sabine Farms, Harrison County, Texas

## 1947-1948

- ADAMS, FRED E. Major—Sociology Minor—Education  
 Thesis: The Variation of Socio-Economic Characteristics of Counties According to Per Cent Negro Population of Each County
- BLANKS, COLUMBUS M. Major—History Minor—Education  
 Thesis: San Antonio, The Inland Gate
- BRADLEY, MABLE FRANCES Major—English Minor—Education  
 Thesis: A Study of Eugene O'Neil's Contribution to American Drama
- CAREY, ORA LEE Major—English Minor—Education  
 Thesis: Improving the English Usage of the Students of Jarvis Christian College

- CARY, REBY Major—History Minor—Education  
Thesis: The Development of the Negro Chamber of Commerce Movement in Texas
- CHUMLEY, LEO B. Major—History Minor—Education  
Thesis: Negro Labor and Property in Shelby County, Texas
- CLAY, SAMUEL C. Major—Administration and Supervision Minor—Sociology  
Thesis: A Brief Survey of Guidance Work and the Program of Guidance in Blackshear School at San Angelo, Texas
- COLLINS, CURTIS M. Major—Administration and Supervision Minor—Elementary Education  
Thesis: A Tentative Guidance Program for the Kealing Junior High School, Austin, Texas
- DADE, BILLYE E. Major—Administration and Supervision Minor—Elementary Education  
Thesis: A Professional Investigation of the Teachers of the Booker T. Washington and Lincoln High Schools of Dallas, Texas
- DAVIS, CHARLES ETTA OWENS Major—Elementary Education Minor—Administration and Supervision  
Thesis: A Study of Primary Techniques and Procedures with a View of Improving Activities as Learning Situations for the First Grade in Douglass Schools, Lawton, Oklahoma
- EWELL, MARJORIE MORRIS Major—Elementary Education Minor—Health Education  
Thesis: An Improved Reading Program in the Carver High School Frankston, Texas
- FRANKLIN, THEOPHILUS CLAY Major—Administration and Supervision Minor—Elementary Education  
Thesis: The Development of C. W. Carver High School, Karnack, Texas, as a Consolidated School
- GRAY, VELMA LAND Major—Education Minor—Biology  
Thesis: A Study of Health Knowledge, Practices, Misconceptions, and Superstitions of 7th and 8th Grade Students in Hopkins County
- HARDEN, RUBY BROWNE Major—Home Economics Education Minor—Administration and Supervision  
Thesis: A Follow Up Study of Two Groups of Home Economics Students Who Withdrew From Prairie View A. & M. College Before Graduation 1933 and 1943
- HARRISON, RICHARD WAGNER Major—Music Education Minor—Music Theory  
Thesis: Three Pastoral Scenes
- HAYES, JAMES DEAN Major—History Minor—Administration and Supervision  
Thesis: The Congress of Industrial Organizations Movement Into The South With Special Reference to Texas
- HEARN, R. D. Major—History Minor—Administration and Supervision  
Thesis: The Development of Higher Education For Negroes With Special Reference to the Denominational Schools
- HENDERSON, MAE ELLA Major—Elementary Education Minor—Administration and Supervision  
Thesis: An Experiment Conducted in Spelling Among the Prairie View Freshmen, 1947-48
- HOLLINS, ARNTIE EDWARD Major—History Minor—Economics  
Thesis: The Colored Teachers State Association of Texas as Revealed in the Texas Press
- JONES, HENRY VINIE Major—Administration and Supervision Minor—History  
Thesis: The Causes of Discipline Problems and Their Treatment in the Fred Douglass High School of Jacksonville, Texas
- LEWIS, LILLIAN M. Major—Home Economics Education Minor—Administration and Supervision  
Thesis: A Study of the Eating Habits and Related Factors of Some Pupils in Grades 4, 5, and 6 in Selected Schools in Texas
- MADISON, WILLIAM MACK Major—Biology Minor—Chemistry  
Thesis: A Histological Study of the Malpighian Tubules of the Gryllus Domesticus
- MOON, CLARA EVA Major—Elementary Education Minor—Administration and Supervision  
Thesis: A Revised Curriculum of Dunbar Elementary School, Sulphur, Oklahoma, to Meet the Needs of Pupils and Community
- McCLENNAN, WALTER D. Major—Mathematics Minor—Chemistry  
Thesis: Distributive Operators:  $R(A \text{ plus } B) \text{ equal } RA \text{ plus } RB$
- McDONALD, LUCY MAE Major—English Minor—Administration and Supervision  
Thesis: An Error Analysis of the Result of an Achievement Test in English Given at Dunbar High School, Ferris, Texas, 1947-1948
- OWENS, EMIEL W. Major—Agricultural Economics Minor—Agricultural Education  
Thesis: A Survey of the Economic Status of Forty Negro Farmers in Leon County, Texas
- OWENS, JENNIE L. Major—English Minor—Administration and Supervision  
Thesis: Paul Lawrence Dunbar's Treatment of Plantation Life
- PANNELL, ORVELLA TATUM Major—Administration and Supervision Minor—History  
Thesis: A Study of Negro Schools in Bell County, Texas
- POWELL, JOHN R. Major—Administration and Supervision Minor—Agricultural Education  
Thesis: A Study of the Development of Education For Negroes in Walker County

- PRINCE, CECIL L. DAVIS Major—Administration and Supervision Minor—Home Economics  
 Thesis: A Diagnostic and Corrective Study of Arithmetic in the Third, Fourth, and Fifth Grades in Lamarque Colored School, Lamarque, Texas 1947-1948
- SANDERS, CLARENCE HENRY Major—Administration and Supervision Minor—Sociology  
 Thesis: A Study of the Personnel, Status, and Educational Activities of the Negro Ministers of Dallas, Texas
- SMITH, WALTER LEON Major—Biology Minor—Chemistry  
 Thesis: Low Temperature Tolerance of 7 Different Species of the *Drosophila*
- SCOTT, DORIS RAYFORD Major—Administration and Supervision Minor—Biology  
 Thesis: A Follow-Up Study of Students Who Have Left Phyllis Wheatley High School San Antonio, Texas Since 1942
- SIMPSON, ESTUS E. Major—Administration and Supervision Minor—Agricultural Education  
 Thesis: Students Withdrawals From the Independent High School of Bastrop County, Texas, During the Period 1936-1946
- SMITH, ALLIE R. HALL Major—English Minor—Administration and Supervision  
 Thesis: A Study of the Letter Writing of High School Students in Cuney High School
- SMITH, RAYMOND CLYDE Major—English Minor—Administration and Supervision  
 Thesis: A Recommended Program of Health and Physical Education For Alex S. Terrell High School Anderson, Texas
- TAYLOR, ALMUS LAMAR Major—Agricultural Economics Minor—Agricultural Education  
 Thesis: The Extent to Which Negro Farmers in Waller County Depend Upon Watermelons for their Cash Income
- THOMAS, CURTIS AUGUSTUS Major—Administration and Supervision Minor—Sociology  
 Thesis: A Suggested Supervisory Program for the Improvement of Learning and Teaching in the Luling Rosenwald School
- THOMAS, VERLIE AUGUSTA Major—Music Education Minor—Piano  
 Thesis: A Transcription for Symphony Orchestra of Beethoven's Piano Sonata, Opus 31, No. 2—First Movement
- TUBBS, LUTHER FREDERICK Major—Administration and Supervision Minor—Elementary Education  
 Thesis: A Status Study of Pupil Participation in School Control in Fourteen Accredited Negro High Schools of Texas by the Southern Association of Secondary Schools and Colleges
- WHEADON, JOHN RANDOLPH Major—Agricultural Economics Minor—Agricultural Education  
 Thesis: An Analysis of the Programs of Fourteen FSA Farms at Prairie View, Texas
- WINDOM, FRANCES LOUISE Major—English Minor—Sociology  
 Thesis: The Development of Thomas Wolfe

## 1948-1949

- ABRAMS, LARRY CARL Major—Agricultural Economics Minor—Administration and Supervision  
 Thesis: A Study of the Farm Management Programs of Fifty Negro Farmers in Bastrop County, Texas
- ADAMS, CLAUDE R. Major—Administration and Supervision Minor—Sociology  
 Thesis: The Historical Development of Education for Negroes in Texas
- ANDERSON, RAY QUINCY Major—Administration and Supervision Minor—History  
 Thesis: A Study of Negro Education in Kaufman County
- ARMSTRONG, ANNIE BELLE Major—Elementary Education Minor—Health Education  
 Thesis: Guiding Child Development as a Means of Curbing Juvenile Delinquency
- BARLOW, EVA JANE Major—Administration and Supervision Minor—Elementary Education  
 Thesis: A Study of Attendance at Four Corners in Sugarland, Texas
- BOARD, EDNA THERESA Major—General Education Minor—Home Economics  
 Thesis: The Historical Development of the Public Schools for Negroes in Liberty County, Texas from 1918 to 1948
- BOYER, FAYE McCLELLAN Major—Sociology Minor—Elementary Education  
 Thesis: The Association of Mental Health and Behavior Characteristic of Elementary School Pupils
- BRADLEY, CHARLES O'NEIL Major—Administration and Supervision Minor—Elementary Education  
 Thesis: A Study of Attendance in the Temple High School, Diboll, Texas
- BRIDGES, ESTHER H. Major—Elementary Education Minor—Health Education  
 Thesis: A Suggested Organization for a Program of Recreation to Meet the Needs of the Youth of Walker County
- BROWN ENOS E. Major—Agricultural Education Minor—Administration and Supervision  
 Thesis: A Comparative Study of Urban and Rural Schools in Six Texas Counties

- BROWN, PAULINE R. Major—Home Economics Education Minor—Supervision  
 Thesis: Analytical Study of the Activities and Problems of County Home Demonstration Agents in Texas
- BURLEY, ECOMET Major—Education Minor—Health  
 Thesis: A Study of the Health Status of Fifty Negro Families in the Evans Springs Community
- BRYD, JAMES S. Major—Administration and Supervision Minor—Health Education  
 Thesis: A Survey of the Health and Educational Conditions of the Negro Children in Madison County, Texas
- CLARK, BENJAMIN Major—History Minor—Education  
 Thesis: The Development of Labor Unions in Agriculture in the Southwest With Special Reference to Texas, 1929-1941
- CLARKE, IRIS ELAINE Major—Sociology Minor—Secondary Education  
 Thesis: Relations of Operator and Laborer in Rice Culture
- DANSBY, ANNIE B. MOORE Major—Elementary Education Minor—Rural Education  
 Thesis: A Study to Determine What Effect the Discovery of Oil in Gregg County Has Had Upon the Development of its Colored High Schools
- DANSBY, CUNEY BRUCE Major—Administration and Supervision Minor—Rural Education  
 Thesis: A Survey of Extra-Curricular Activities in A-Class High Schools in East Texas
- DANSBY, LERA H. Major—Administration and Supervision Minor—Health Education  
 Thesis: A Study of the Status of Rural Negro Schools of Smith County
- DAVIS, WILLIAM O. Major—Administration and Supervision Minor—Industrial Education  
 Thesis: A Study of the Chief State Educational Officer of the States of the United States 1948
- DAVISS, THEODORE R. Major—Administration and Supervision Minor—Health Education  
 Thesis: A Study of Janitorial Services in Accredited Negro High Schools of Texas
- ENGLISH, LEON G. Major—Agricultural Economics Minor—Physical Education  
 Thesis: The Extent to Which Farmers Participate in the Cotton Improvement Program of Ellis County
- FISHER, COREAN J. BLAIR Major—Elementary Education Minor—English  
 Thesis: Instructional Practices Used in Teaching the Social Studies in Grades Six, Seven, and Eight, in One Hundred Schools
- FORWARD, BARNEY Major—Administration and Supervision Minor—History  
 Thesis: History of Education in Jasper County, Texas
- FRANKLIN, LUCKIE Major—Administration and Supervision Minor—Elementary Education  
 Thesis: A Comparative Study of the Health Facilities of Jackson High School and Four Adjacent Schools in Smith County
- GOODEN, BURNICE Major—History Minor—Administration and Supervision  
 Thesis: The Development of Negro Life in Madisonville, Texas, Since 1900
- GOODEN DORA E. Major—Elementary Education Minor—Health Education  
 Thesis: Reorganizing the Curriculum in Madisonville, Texas, Since 1900
- GREENE, EDWARD F. Major—Administration and Supervision Minor—Secondary Education  
 Thesis: A Study of the Graduates, Eliminates, and Present Student Body of the Weldon Elementary-School, Gladwater, Texas
- HARRIS, JAMES D. Major—Agricultural Economics Minor—Administration and Supervision  
 Thesis: Development of Soil Conservation Measures in Ellis County With Respect to Economic Gains
- HINES, HARRY JAMES Major—Administration and Supervision Minor—Secondary Education  
 Thesis: A Study of the Graduates and Drop-Outs of Booker T. Washington High School, Marlin, Texas—1937-1949
- JOHNSON, DAVIS P. Major—Rural Sociology Minor—Administration and Supervision  
 Thesis: Current Aspects of Disciplinary Problems in Negro High Schools of Texas
- JOHNSON, EDDIE MARIE HOLMES Major—English Minor—Education  
 Thesis: An Evaluation of a Free Reading Program in an Eleventh Grade
- JOHNSON, LEO JAMES Major—Administration and Supervision Minor—Rural Education  
 Thesis: The Development of the Arp Vocational High School, Arp, Texas as a Consolidated School
- JONES, CONSULA FAYE Major—Elementary Education Minor—Administration and Supervision  
 Thesis: The Influence of Some Home Factors on the Social and Academic Progress of the Second Grade Pupils of Frederick Douglass School, Jacksonville, Texas
- KEATTS, ROWENA W. Major—English Minor—Elementary Education  
 Thesis: A Proposed Program of Language Art for the Eighth Grade in the Douglass Elementary School, Mexia, Texas

- KILPATRICK, ALICE J. Major**—Education Minor—Home Economics Education  
 Thesis: A Study of the Difficulties Encountered by Beginning Teachers Teaching in Certain Selected Negro Schools of Texas
- KING, LUCILLE MITCHELL Major**—Administration and Supervision Minor—Health Education  
 Thesis: A Proposed Guidance Program from Gudeblye Junior High School
- KNIGHTON, EMERSON S., SR. Major**—Administration and Supervision Minor—Sociology  
 Thesis: A Survey of Instructional Practices and Materials Used in Teaching the Slow Learner in Negro High Schools of Texas
- LEWIS, ODIS F. Major**—Administration and Supervision Minor—Health Education  
 Thesis: A Recommended Health Program for Goldsberry High School Gaston District, Henderson, Texas
- LINWOOD, TRYPHENA WINIFRED Major**—Elementary Education Minor—Health Education  
 Thesis: Civics as the Predominant Subject to be Handled in the Social Studies
- MARK, JIM BOB Major**—Agricultural Economics Minor—Agricultural Education  
 Thesis: How Young Men Become Established in Farming in Tyler County, Texas
- McCLURE, FOSTER D. Major**—Administration and Supervision Minor—Vocational Education  
 Thesis: A Follow-Up Study of the Graduates and Drop-Outs of the Summerfield Negro School, Ponta, Texas—1942-1949
- McDANIEL, DOYLE LEE Major**—Agricultural Economics Minor—Administration and Supervision  
 Thesis: Farm Tenancy in Robertson County, Texas
- MERCHER, HERBERT Major**—Physical Education Minor—Health Education  
 Thesis: A Survey of the Health and Physical Education Programs in Class AA High Schools of Texas
- MITCHELL, TOMMYE MAYES Major**—Home Economics Education Minor—Administration and Supervision  
 Thesis: A Study of the Occupational Status of the Prairie View Home Economics Graduates—1922-1948
- MOSBY, COTTRELL M. Major**—Administration and Supervision Minor—Elementary Education  
 Thesis: The Availability of Educational Opportunities for Negroes in Hunt County
- MOSLEY, THOMAS W. Major**—Administration and Supervision Minor—Health Education  
 Thesis: A Survey of the Health Conditions of the Negroes in Trinity County and A Proposed Program of Health Education
- LEE, ESCAR ROBERT Major**—Agricultural Education Minor—Rural Education  
 Thesis: Some Aspects of an Activity Program of All Day Boys Studying Vocational Agriculture in the Crockett District, Texas
- MUCKLEROY, EFFIE H. P. Major**—Education Minor—Health Education  
 Thesis: Conservation of Human Resources in Smith County
- OLIVER, JOSEPH GREEN Major**—Administration and Supervision Minor—Elementary Education  
 Thesis: The Availability of Educational Opportunities for Negroes in Leon County, Texas
- PAYNE, RUTH M. Major**—Home Economics Education Minor—Administration and Supervision  
 Thesis: An Evaluation of Diet Surveys and a Determination of Their Value as a Device For Improving Eating Habits of Youth in Six (6) Texas Counties
- PRUITT, JOHN W. Major**—Administration and Supervision Minor—Business Administration  
 Thesis: A Study of Rankings of Occupations on Basis of Social Status
- PUGH, GOLDA GASTON Major**—Elementary Education Minor—Health Education  
 Thesis: A Comparative Study of Handwriting Achievements of Beginners Trainer in Manuscript and Cursive Writing
- RHAMBO, ERNEST L. Major**—Administration and Supervision Minor—General Education  
 Thesis: An Occupational Survey As A Basis for the Establishment of Terminal Education at Wharton County Junior College (1949)
- SADBERRY, CHARLES L. Major**—Administration and Supervision Minor—Elementary Education  
 Thesis: A Ten Year Follow-Up Study of the Graduates of O. J. Thomas High School
- SADBERRY, JEWEL C. Major**—Agricultural Economics Minor—Administration and Supervision  
 Thesis: A Study of the Economic Status of Fifty Negro Formers of Waller County, Texas
- SETTLE, JOHN THOMAS Major**—Education Minor—Sociology  
 Thesis: Social and Educational Effects of Consolidation on the Steber Grove Community in Rusk County
- SLAUGHTER, HENRI MAE Major**—Education Minor—Health Education  
 Thesis: A Survey of the Health Conditions of the Children in Carter G. Woodson School, Abilene, Texas

- STANTON, LONNIE A. Major—Administration and Supervision Minor—History  
Thesis: A Follow-Up Study of the Graduates of the Anderson High School, Mart, Texas for a Ten-Year Period 1938-1947 Inclusive With Implications on Curriculum Revision
- TARVER, MYRTLE MAYFIELD Major—Elementary Education Minor—Health Education  
Thesis: Health Conditions of Negroes in Beaumont, Texas, and Their Implication for Health Education (Based on a Survey of 100 Families)
- TAYLOR, B. J. HAMMOND Major—Agricultural Education Minor—Agricultural Economics  
Thesis: Educational Procedures in the Development of the Agricultural Cooperatives of the Sabine Farms, Harrison County, Texas
- TAYLOR, FLOYD D. Major—Administration and Supervision Minor—Agricultural Education  
Thesis: A Proposed Plan of Consolidation of the Rural Schools for Negroes in Travis County, Texas
- TAYLOR, LORENE McAFEE Major—Elementary Education Minor—Rural Education  
Thesis: Methods and Procedures for Improving the Teaching of Art in the Primary Grades in the Kilgore Colored School
- VALLEY, ALONZO H. Major—Industrial Education Minor—Administration and Supervision  
Thesis: A Reorganization to Include a Suggested Curriculum for the Booker T. Washington High School, Dallas, Texas
- VAN POTTER, MATTIE N. Major—Elementary Education Minor—Sociology  
Thesis: A Diagnostic and Corrective Study of the First, Second, and Third Grade Arithmetic in the William Anderson Peete Elementary School of Tyler, Texas
- WASHINGTON, EDWARD L. Major—Administration and Supervision Minor—Agricultural Economics  
Thesis: A Comparative Study of the Affect of Family, Literary Background, Economic Status and Health on Attendance in Dunbar High School, Mexia, Texas
- WASHINGTON, SAMUEL Major—History Minor—Administration and Supervision  
Thesis: The Land-Grant Colleges for Negroes 1914-1945: A Study in Higher Education
- WHITE, INMAN Major—Agricultural Economics Minor—Administration and Supervision  
Thesis: A Study of the Soil Conservation Practices of Fifty Negro Farmers in Waller County, Texas
- WILSON, DOROTHY B. Major—Elementary Education Minor—Administration and Supervision  
Thesis: A Diagnostic Study of Reading Deficiencies and Corrective Measures of Grades Four Through Ten of Carver High School, Brackettville, Texas

### MASTER OF ARTS—1949-1950

- BONEY, CLARA B. PAYNE Major—Piano Minor—Music Education  
Piano Recital
- CARROLL, MARGARET E. Major—English Minor—Administration and Supervision  
Thesis: A Proposed Reading Program for St. Paul-Shiloh High School, Oakwood, Texas
- COLLIER, DOLPRUS E. PERRY Major—English Minor—History  
Thesis: The Negro's Role in Legitimate Drama
- DARDEN, ROSE ETTA Major—Sociology Minor—Education  
Thesis: The Occupational Status of Prairie View Sociology Major and Minor Graduates 1929-49
- FOWLER, IOLA M. Major—English Minor—Education  
Thesis: The Morbid Element in the Poetry of James Thompson
- MACK, RICHARD M. Major—Music Minor—Administration and Supervision  
Thesis: A Study of the Organization and Administration of 25 Negro High School Bands in Texas
- MUSGROVE, GEORGE ANNE TURNER Major—English Minor—Education  
Thesis: A Study of the Reading Habits of the Students of Carver High School
- PAYNE, JAMES H. Major—Sociology Minor—History  
Thesis: The Effects of Social and Economic Influences on Negro High School Attendance in Navasota 1945-1950
- WASH, MARGARET S. Major—Music Minor—Piano  
Thesis: The Formulation of a Plan for Increasing the Per Cent of Student Participation in High School Musical Activities
- WELLS, LUTHER T. Major—Music Minor—Piano  
Thesis: Beethoven, Balance of Expression and Design

### MASTER OF EDUCATION

- ADAMS, ESTER ALTON Major—Elementary Education Minor—Administration and Supervision
- ADAMS, EULAH MAYE POWELL Major—Elementary Education Minor—Health Education

- ALEXANDER, JOHN ALDEN Major—Administration and Supervision Minor—Elementary Education
- ALLEN, PHYLLIS H. Major—Elementary Education Minor—Health Education
- BARLOW, BENJAMIN J. Major—Administration and Supervision Minor—Health Education
- BLOCKER, ROBERT B. Major—Industrial Education Minor—Education
- BRADLEY, CHRISTY MAXINE Major—Administration and Supervision Minor—English
- BRAILSFORD, ARTIE Major—Administration and Supervision Minor—Agriculture
- BROWN, JOE LEE Major—Education Minor—Biology
- BURNETT, FRED DOUGLASS Major—Administration and Supervision Minor—Elementary Education
- BYRD, ROXIE DORIS Major—Elementary Education Minor—Sociology
- CANADA, JOHN KINGSTON Major—Administration and Supervision Minor—Health
- CLEAVER, EUGENE EMUEL Major—Administration and Supervision Minor—Agricultural Education
- COLEMAN, JETTIE Major—Home Economics Education Minor—Administration and Supervision
- COLEMAN, SHERMAN Major—Administration and Supervision Minor—Agricultural Education
- COLLINS, HORACE HAROLD Major—Administration and Supervision Minor—Economics
- CRAWFORD, FLORINE EASLEY Major—Home Economics Minor—Elementary Education
- FORTSON, ETHEL GLADYS BILES Major—Elementary Education Minor—Administration
- FOWLER, CARLEAN MERIEN WELLS Major—Education Minor—History
- FRAZIER, MARGARET BEATRICE Major—Education Minor—History
- GOODMAN, LULA WARREN Major—Administration and Supervision Minor—Elementary Education
- HARDEMAN, FLORENCE E. D. Major—Home Economics Minor—Elementary Education
- HARRIS, JOEL Major—Administration and Supervision Minor—Industrial Education
- HERRING, FAIRY L. Major—Administration and Supervision Minor—Elementary Education
- HILL, LOVIE M. Major—Home Economics Minor—Administration
- JACKSON, HORACE R. Major—Education Minor—Sociology
- JESSIE, A. J. Major—Administration Minor—Education
- JOHNSON, COMPTON HORACE Major—Administration and Supervision Minor—Health Education
- JOHNSON, LOY ARNOLD Major—Administration and Supervision Minor—Health Education
- JOHNSON, MARY BELLE Major—Elementary Education Minor—Health Education
- JONES, EULA MAE Major—Home Economics Minor—Administration and Supervision
- KING, ORA STARR Major—Elementary Education Minor—Health
- LISTON, IDA Major—Administration and Supervision Minor—Elementary Education
- LYONS, ALICE Major—Administration and Supervision Minor—Home Economics Education
- MARSHALL, D. M. Major—Administration and Supervision Minor—Elementary Education
- McKINNEY, MILTON Major—Administration and Supervision Minor—Health Education
- MERIDITH, GROVER C. Major—Administration and Supervision Minor—Education
- MOODY, FREDDIE R. Major—Elementary Education Minor—Home Economics
- MORRIS, MITTIE A. Major—Education Minor—English
- PALMER, WILLIE HARVEY, SR. Major—Administration and Supervision Minor—Agricultural Education
- PITTS, ALLIE FAYE Major—Elementary Education Minor—Sociology
- POWELL, A. B. Major—Administration and Supervision Minor—Elementary Education
- PRICE, A. L. Major—Administration and Supervision Minor—Sociology
- PROBASCO, JEANETTA FOSTON Major—Education Minor—Home Economics
- PYLE, BAILEY JEFFERSON Major—Administration and Supervision Minor—Elementary Education
- ROSS, DELIA P. Major—Elementary Education Minor—Administration and Supervision
- SANDERS, EMMA IDELL Major—Elementary Education Minor—Administration and Supervision
- SANDERS, ROBERT BERT Major—Administration and Supervision Minor—Elementary Education
- SHEFFIELD, CELIA R. Major—Elementary Education Minor—Health Education



- SMITH, IOLA BROWN Major—Elementary Education Minor—Administration and Supervision
- TAYLOR, E. D. REAN Major—Administration and Supervision Minor—Music
- THOMAS, DANIEL WEBSTER Major—Administration and Supervision Minor—Health
- TRAYLOR, ELMA LOIS MCKENZIE Major—Elementary Education Minor—Administration and Supervision
- TURNER, ANGELINE CROWE Major—Elementary Education Minor—Health Education
- TURNER, ODIS H. Major—Administration and Supervision Minor—Health
- WADDY, EDWARD S. Major—Administration and Supervision Minor—Elementary Education
- WESLEY, BENNIE J. Major—Administration and Supervision Minor—Elementary Education
- WRIGHT, THOMAS JEFFERSON Major—Administration and Supervision Minor—Health Education
- YOUNG, PAULINE A. Major—Elementary Education Minor—Administration and Supervision

### MASTER OF SCIENCE

- ADAMS, CORDELIA C. Major—Elementary Education Minor—Home Making  
Thesis: The Role of Informal Education in the Treatment and Prevention of Juvenile Delinquency
- ALLEN, DELLA MAE Major—Physical Education Minor—Health  
Thesis: A Proposed Program of Health and Physical Education for the Goliad Colored High School
- ANDERSON, WILLIE JAMES Major—Administration and Supervision Minor—Elementary Education  
Thesis: The Problem of Attendance in the Colored Schools of Trinity County
- BLUITT, LEROY Major—Administration and Supervision Minor—Sociology  
Thesis: Reading Difficulties in a Low Ninth Grade Group at the Lincoln High School, Dallas, Texas 1948-1949
- BOLDEN, VERNON VAN Major—Chemistry Minor—Administration and Supervision  
Thesis: The Preparation of Yeast Nucleic Acid and its Effect on the Growth of Rats
- BRITTON, LAWRENCE MILTON Major—Physical Education Minor—Administration and Supervision  
Thesis: A Survey of the Leisure Time Activities of the Male Students of Prairie View Agricultural and Mechanical College With Suggestions for Improvements
- BROWN, FRED DOUGLASS Major—Agriculture Minor—Administration and Supervision  
Thesis: A Study of Rose Production and Rose Products
- BROWN, TRUDIE Major—Education Minor—English  
Thesis: Analysis of the Spelling Errors Found in the Seventh and Eighth Grades in Judea High School, 1949-1950
- CASH, LARRY B. Major—Agricultural Education Minor—Agricultural Economics  
Thesis: Educational Implication of the Incidence of Negro Participation in Producer Consumer Cooperatives
- CLAYBON, DENNIS L. Major—Administration and Supervision Minor—Elementary Education  
Thesis: A Study of Special Education in Texas with Particular Reference to the Orthopedically Handicapped Children in Texas
- CLAYBON, LAURIE E. Major—Administration and Supervision Minor—Elementary Education  
Thesis: A Proposed Physical Plant for the Forney Negro School with Special Reference to Consolidation
- CLEAVER, LEROY Major—Chemistry Minor—Education  
Thesis: The Catalytic Oxidation of Toluene in the Vapor Phase to Benzoic Acid
- COLLINS, MILLIE S. Major—Administration and Supervision Minor—Economics  
Thesis: The Role of Custom in the Diets of One Hundred Negro Families
- DOUGLASS, BLANCHE M. Major—Home Economics Education Minor—Administration and Supervision  
Thesis: The Study of the Food Consumption of Twenty Families in Post Oak Community, Ledbetter, Texas
- FLUEWELLEN, LUZONE Major—Education Minor—Home Economics  
Thesis: A Proposed Adult Education Program for the Arp Colored School Community, Arp, Texas
- FORWARD, IDA MAE Major—Elementary Education Minor—Health Education  
Thesis: A Study of Speech Defects as Found Among Negro Elementary School Children of Jasper County
- FOSTON, ARTHUR LEE Major—Administration and Supervision Minor—Mathematics  
Thesis: The Administration of Mathematics in a Selected Group of Negro Secondary Schools in Texas

- GAYNOR, NORVEL Major—Administration and Supervision Minor—Elementary Education  
 Thesis: A Follow-up Study of the Graduates and Drop-Outs of the Hooks Colored High School, Hooks, Texas
- GOODE, JESSE F. Major—Administration and Supervision Minor—Elementary Education  
 Thesis: An Analysis of the Records Kept in the Negro Elementary Schools of Texas
- GRAYS, HARRISON WELDON Major—Agricultural Economics Minor—Agricultural Education  
 Thesis: An Economic Study of Fifty Dairy Farms in Hopkins County From 1938 to 1948
- GREEN, BERNICE J. Major—Physical Education Minor—Education  
 Thesis: A Study of the Leisure Time Activities of the Negro Physical Education Teachers of Houston, Texas
- HALLMAN, GRANT T. Major—Agricultural Economics Minor—Administration and Supervision  
 Thesis: Historical Study of the Rural Electrification Administration and the Development of the Navarro County Electric Co-op
- HILLMAN, RUTH VIRGIL Major—Administration and Supervision Minor—Health  
 Thesis: A Tentative Survey of the Home Room as a Unit of Organization in the Four-Year Public High School of Texas
- MARSHALL, T. D. Major—Administration and Supervision Minor—Elementary Education  
 Thesis: Evaluation of the Lincoln High School
- McDANIEL, MATTYE MAYCEO Major—Education Minor—Home Economics  
 Thesis: A Study of the Administrators' Opinions of the Difficulties Experienced by Beginning Teachers in Selected Negro High Schools in Texas, 1949-50
- McGOWEN, MABEL YOUNG Major—Education Minor—Health  
 Thesis: A Diagnostic and Remedial Speech Correction Instruction Program for First Grade Pupils with Specific Speech Disorders in the Carroll Street Elementary School
- McGARY, HELEN RUTH Major—Administration and Supervision Minor—Elementary Education  
 Thesis: A Progress Report of Three Years Study of Reading in Cass County
- MOLETT, FRANCIS A. Major—Administration and Supervision Minor—Elementary Education  
 Thesis: A Suggestive Program for the Improvement of Public Relations in Hebert High School, Beaumont, Texas
- MOLETT, NAOMI LEE GUIDRY Major—Elementary Education Minor—Health  
 Thesis: A Study of the Vocabulary Used and Spelling Errors Made in Written Compositions of the Sixth-Grade Children in the Hebert Elementary School of Beaumont, Texas
- MOSELEY, ERA MARIE Major—Elementary Education Minor—Administration and Supervision  
 Thesis: Determining Reading Readiness of all First Grade Negro Children Entering Longview Public Schools
- PIERSON, FRANK R. Major—Administration and Supervision Minor—Physical Education  
 Thesis: Suggested Aims and Procedures Designed to Develop Desirable Community School Relationship in the Charlton Pollard School
- PORTIS, VIVIAN Major—Elementary Education Minor—Administration and Supervision  
 Thesis: A Survey of the Health Conditions of the Negro Section of Calvert, Texas and Their Possible Effect on Elementary School Children
- RANDLE, CHARLES F. Major—Agricultural Economics Minor—Administration and Supervision  
 Thesis: A Study of the Farm Management Practices of Fifty Negro Farmers in McLennan County, Texas
- REECE, FRONCELL Major—Agricultural Economics Minor—Physical Education  
 Thesis: A Study of the Economic Status of Fifty Negro Farm Families of Montgomery County, Texas
- REYNOLDS, LEATHA MARGARET Major—Education Minor—English  
 Thesis: A Diagnostic Study for the Correction of Speech Defects Found in the Colored Elementary School of LaMarque, Texas
- RUTLEDGE, PAUL Major—Agricultural Education Minor—Administration  
 Thesis: An Analysis of Official Travel Done by Vocational Agriculture Teacher
- SAUNDERS, OWENA HALL Major—Elementary Education Minor—Health Education  
 Thesis: An Evaluation of Choral Reading in the Elementary Grades
- SIMS, VAN E. Major—History Minor—Administration and Supervision  
 Thesis: The Willette Rutherford Banks Administration: A Study of the Historical Development of Prairie View Agricultural and Mechanical College
- SPROTT, GLADYS Major—Elementary Education Minor—Health Education  
 Thesis: A Suggested Program for Organization of Special Education for Negro Children in the South Park School, District, Beaumont, Texas
- TANKSLEY, HASSELL Major—Physical Education Minor—Health Education  
 Thesis: A Survey of the Health and Physical Education Program in the Negro Colleges and Universities of Texas

- TAYLOR, ELVIE Major**—General Education Minor—Home Economics Education  
 Thesis: Proposed Guidance Program for Goliad Colored School in Goliad, Texas
- WALKER, JEFFERSON D. Major**—Administration and Supervision Minor—Industrial Education  
 Thesis: A Survey of the George Washington Carver High School, Navasota, Texas
- WALKER, JOHNNIE MAE Major**—Elementary Education Minor—Administration and Supervision  
 Thesis: A Survey of Variable Factors Affecting a Group of Children in the Fifth and Sixth Grades at Harlem Elementary School, Baytown, Texas
- WASHINGTON, ELZADIE L. Major**—Administration and Supervision Minor—Elementary Education  
 Thesis: A Study to Determine the Causes of Instructional Problems and Handicaps of the Elementary Teachers of Limestone and Freestone Counties
- WHITE, DEMOSTHENES Major**—Agricultural Education Minor—Administration and Supervision  
 Thesis: The Effects of Vocational Education in Agriculture on Farming in Wharton County, Texas
- WHITE, JOHNNIE MAE Major**—Administration and Supervision Minor—Home Economics Education  
 Thesis: The Environmental Forces in the Behavior and Development of 411 Freshmen Enrolled at Prairie View 1947-48
- WRIGHT, HELEN ALEXANDER M. Major**—Education Minor—Supervision  
 Thesis: A Five-Year Study of Students who Graduated from the Elementary Schools in the Common School Districts of Nacogdoches County 1944-45

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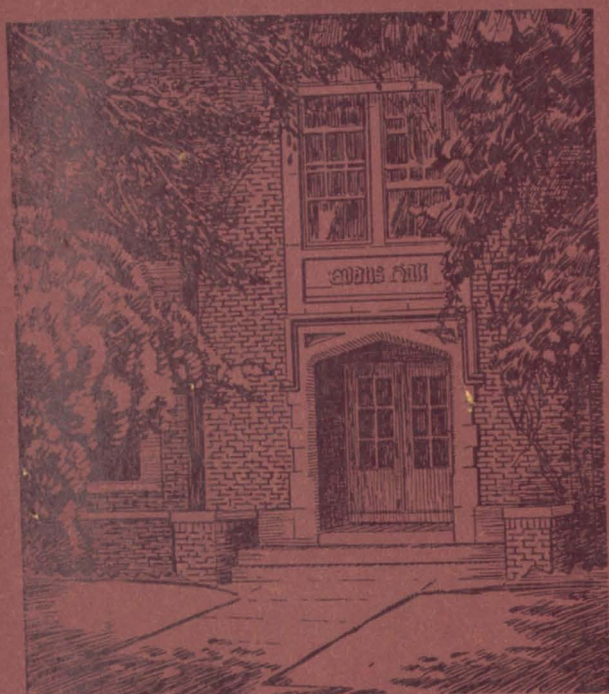
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