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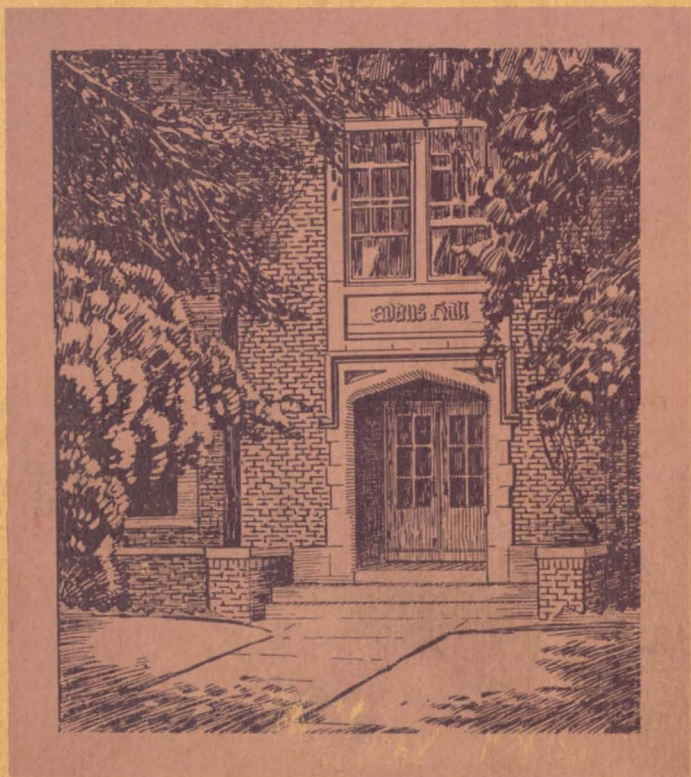
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**BULLETIN OF PRAIRIE VIEW  
AGRICULTURAL AND MECHANICAL  
COLLEGE OF TEXAS**

**1948-1949**

**1876**

**The Seventy-Second Year**

**1948**



# BULLETIN OF PRAIRIE VIEW AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS

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VOL. 39

AUGUST 1948

No. 2

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SIXTY-NINTH CATALOG EDITION

1947-48

WITH ANNOUNCEMENTS FOR

1948-49

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

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## RECOGNITION

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

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# THE COLLEGE CALENDARS

## SUMMER SESSION—1948

June 7	Registration, First Term
June 8	Classes Begin
July 10	First Term Closes
July 12	Registration, Second Term
July 13	Classes Begin
August 12	Commencement
August 14	Second Term Closes

## REGULAR SESSION 1948-49

September 1	Registration of Nurses
September 8-11	Faculty Orientation
September 13	New Students Report—Dining Hall Opens
September 13-18	Orientation and Registration
September 17-18	Registration
September 20	Classes Begin
November 11-12-13	Mid-semester Examinations
November 25	Thanksgiving Holiday
December 20	Christmas Holidays Begin

## 1949

January 3	Classes Resume
January 24-28	Final Examinations
January 29	First Semester Ends
January 29	Registration, Second Semester
January 31	Second Semester, Classes Begin
March 24-25-26	Mid-semester Examinations
April 21	San Jacinto Day
May 22	Commencement
May 23-27	Final Examinations
May 28	Second Semester Closes

## SUMMER SESSION 1949

June 6	Registration, First Term
June 7	Classes Begin
July 16	First Term Closes
July 18	Registration, Second Term
July 19	Classes Begin
August 25	Commencement

# OFFICERS OF ADMINISTRATION

## THE BOARD OF DIRECTORS

TERM EXPIRES 1953.

RUFUS R. PEEPLES, Farmer and Rancher.....Tehuacana  
TYREE L. BELL, President Austin Road Company.....Dallas  
C. C. KRUEGER, President San Antonio Machine and  
Supply Company.....San Antonio

TERM EXPIRES 1951

JOHN W. NEWTON, Vice-President and Manager of Refineries,  
Magnolia Petroleum Company.....Beaumont  
ROY C. POTTS, Merchant.....Belton  
HENRY REESE, III, Publisher.....Gonzales

TERM EXPIRES 1949

H. L. KOKERNOT, JR., Banker and Ranchman.....Alpine  
E. W. HARRISON, Ranchman.....South Bend  
G. R. WHITE, Banker and Ranchman.....Brady

## OFFICERS

G. R. WHITE, *President*  
H. L. KOKERNOT, JR., *Vice-President*

## PRAIRIE VIEW COMMITTEE

HENRY REESE III, *Chairman* E. W. HARRISON  
ROY C. POTTS

## OTHER OFFICERS OF ADMINISTRATION

### NON-RESIDENT ADMINISTRATIVE OFFICERS

GIBB GILCHRIST, C.E., D.Sc., *President*  
W. C. FREEMAN, B.S., C.P.A., *Auditor of Branch Colleges*  
J. K. WALKER, B.S., *Supervising Engineer*

### OFFICE OF THE DEAN

EDWARD B. EVANS, V.M.D., *Dean*  
WILLETTE R. BANKS, LL. D., *Dean Emeritus*  
EZRA LEE HENDERSON, *Secretary*  
CONSTANCE M. THOMAS, A.B., *Secretary*



## EXECUTIVE CABINET

- DEAN E. B. EVANS, D.V.M., *Chairman*  
 DEAN EMERITUS W. R. BANKS, *Director Public Relations*  
 LEE E. PERKINS, *Executive Secretary*  
 GEORGE L. SMITH, M.S., *Director, Division of Agriculture*  
 MRS. E. MAY GALLOWAY, M.S., *Director, Division of Home Economics*  
 CLAUDE L. WILSON, M.S., *Director, Division of Mechanic Arts*  
 J. M. DREW, Ed.D., *Director, Division of Arts and Sciences*  
 J. W. HODGES, M.D., *Director, Division of Nursing Education*  
 HARVEY R. TURNER, B.S., *Treasurer*  
 THOMAS R. SOLOMON, Ph.D., *Registrar-Coordinator of Instruction*  
 ORESTES J. BAKER, M.L.S., *Librarian*  
 ROBY W. HILLIARD, Ph.M., *Personnel Director and Manager  
of Dining Hall*  
 W. C. DAVID, B.S., *State Director, Extension Service for Negroes*  
 MRS. PAULINE BROWN, B.S., *State Supervisor, Home Demonstration  
Agents for Negroes*  
 M. E. SUAREZ, *Dean of Women Emeritus*  
 R. L. BLAND, M.S., *Dean of Women*  
 H. C. KENYON, M.S., *Dean of Men*  
 COL. WEST A. HAMILTON, B.S., *Commandant*

## OFFICE OF THE REGISTRAR

- THOMAS R. SOLOMON, Ph.D., *Registrar*  
 L. C. McMILLAN, A.B., *Assistant to the Registrar*  
 G. M. ELDER, B.A., *Record, Research and Transcript Clerk*  
 B. B. BROOKS, A.B., *Secretary to the Registrar*  
 E. M. LEWIS, B.A., *Receptionist and Machine Record Clerk*

## FISCAL OFFICE

- HARVEY R. TURNER, B.S., *Treasurer*  
 CAMERON S. WELLS, *Accountant*  
 LA VAUGHN C. MOSLEY, B.S., *Cashier*  
 ALAYNE E. WATKINS, *Voucher and Order Clerk*  
 JESSIE LOUISE JACOBS, *Teller*  
 B. T. GREER, B.S., *Auditor*  
 C. R. HALL, B.S., *Head Bookkeeper*  
 EDGAR HENRY, B.S., *Inventory Clerk*  
 B. B. RICHARDSON, *Assistant Cashier*  
 MRS. DORIS E. WILBORN, *Stenographer*  
 MRS. RAVA M. LOYD, B.S., *Clerk*  
 MRS. THELMA CHATHAM, *Secretary*  
 MRS. C. M. LOVE, *Assistant Bookkeeper*  
 MRS. LAURA V. PRESTON, *Mailing Room Foreman of Post Office*  
 G. H. THOMPSON, *Assistant Mailing Room Foreman of Post Office*  
 T. R. LAWSON, *Property Clerk and Warehouse-Filling Station Manager*

## HOSPITAL

J. W. HODGES, M.D., *Director of Division of Health*  
VAN EMERSON COLLINS, D.D.S., *Resident Physician*  
E. R. OWENS, M.D., *Resident Physician*  
D. B. PHILLIPS, R.N., *Directress of Nurses*  
MRS. LELA WASHINGTON GREER, B.S., *Laboratory Technician*

## DINING HALL

R. W. HILLIARD, Ph.M., *Manager*  
J. L. BOYER, M.S., *Manager of Storeroom*  
COMPTON H. JOHNSON, B.S., *Supervisor of Student Dining Halls*  
COLUMBUS M. MICKENS, *Chef Cook*  
MADISON KILPATRICK, *Assistant Chef*  
CLARA E. TORRY, *Cafeteria Manager*

## THE LIBRARY

ORESTES J. BAKER, M.L.S., *Librarian*  
MRS. MABLE F. BRADLEY, A.B., *Serials Specialist*  
CORA M. FERGUSON, B.S., *Order Assistant*  
MRS. EUNICE R. JONES HILL, B.L.S., *Reference Assistant*  
NOLLIE A. JACKSON, A.B., *Assistant in Circulation*  
MRS. THELMA E. LEWIS KEITH, B.L.S., *Cataloger*  
MARION E. MATTHEWS, A.B., *Assistant in Circulation*  
LOUISE E. ROANE, B.L.S., *Assistant in Reference*  
MRS. BENNIE L. J. SHIELDS, A.B., *Assistant in Reference*  
OLESSIE M. STAFFORD, *Assistant in Circulation*  
THELMA T. THOMAS, A.B., *Secretary*  
MRS. FLORENCE E. VAUGHN, B.S., in L.S., *School Library Consultant*

## OFFICERS OF INSTRUCTION

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

- ALBRITTON, MRS. DAUPHINE MILLER (1947) ..... *Home Economics*  
 B.S., Arkansas A. & M. College, 1939; M.S., Kansas State College, 1945.
- ASHFORD, JAMES TIMOTHY (1947) ..... *Music*  
 B.S. in Music, Wilberforce University, 1945; M.A., New York University, 1947; *ibid*, Summer 1947.
- BAILEY, ROBERT ERNEST (1946) ..... *Mechanic Arts*  
 Certificate in Shoemaking, Prairie View College, 1922.
- BAKER, ORESTES J. (1931) ..... *Librarian*  
 A.B., Morehouse College, 1930; B.L.S., Hampton Institute, 1931; M.L.S., Columbia University, 1936.
- BLAND, REDA LEE (1943) ..... *Mathematics*  
 B.S., Prairie View College, 1936; M.S., *ibid*, 1944.
- BRADFORD, MOLLIE KATHRYN (1946) ..... *Home Economics*  
 B.S., Tennessee State College, 1936; M.Ed., Wayne University, 1944.
- BRANCHE, CHARLES WILLIAM (1947) ..... *Music*  
 A.B., Morris Brown College, 1942; M.A., Columbia University, 1947; *ibid*, Summer 1947.
- BROOKS, GEORGE WILLIAM (1943) ..... *Political Science*  
 B.S., Indiana University, 1941; M.S., *ibid*, 1942; LL.B. La Salle University, 1947.
- BROWN, BETTIE L. (1947) ..... *English*  
 B.A., Shaw University, 1944; M.A., University of Iowa, 1946.
- 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.
- BROWN, WILLIAM WHEELER (1947) ..... *Romance Languages*  
 B.S., in Ed., Kansas State College, 1937; Kansas State College, Summer 1940; University of Denver, Summer 1947.
- BULLOCK, HENRY ALLEN (1930) ..... *Head of Department of Sociology, Social Service and Research*  
 A.B., Virginia Union University, 1928; A.M., University of Michigan, 1929; Ph.D., *ibid*, 1942.
- BUNDARA, CAPT. WEJAY S. (1947) ..... *Assistant Professor of Military Science and Tactics*  
 B.S., Howard University, 1938; Graduate Chemical Warfare School, 1941; Graduate Advanced Infantry Course, 1943.

- BURDINE, DOROTHY I. (1933, 1938) ..... *Education*  
A.B., A.M., Colorado State College of Education, 1933; University of Denver, Summers 1936, 1942, 1947.
- BURNS, MRS. LILLIE PALEY (1941) ..... *Home Economics*  
B.S., Prairie View College, 1934; M.S., Iowa State College, 1941.
- CARPENTER, CHARLES E. (1925) ..... *French*  
B.L., University of California, 1901; M.L., *ibid.*, 1908.
- CARTER, EMMA JANE (1946) ..... *Nursing Education*  
Diploma in Nursing Education, Prairie View University, 1946.
- CATCHINGS, BESSIE VALVERDIE (1947) ..... *Physical Education*  
B.A., Prairie View College, 1944; M.S., University of Southern California, 1947.
- CHASE, SEBELL E. (1945) ..... *Business Administration*  
B.S., Southern University, 1943; University of Chicago, 1944-'45; Summer 1946.
- 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.
- COLLINS, VAN EMERSON (1946) ..... *Nursing Education, Resident Dentist*  
A.B., Fisk University, 1943; D.D.S., Meharry Medical College, 1946.
- COOKE, MRS. AMANDA FUHR (1947) ..... *Sociology*  
A.B., Langston University, 1944; M.A., Atlanta University, 1947.
- 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) ..... *Acting Head, 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 (Residence and Preliminary Comprehensive completed toward Ed.D.)
- DICKSON, MATHES D., JR. (1947) ..... *Printing*  
B.S., Prairie View University, 1947.
- DIXON, VITTORIA C. (1946) ..... *English*  
B.A., 1943; M.S., 1944, Prairie View University.

- DOOLEY, THOMAS P. (1934) . . . . . *Head, Department of Natural Sciences*  
B.A., Morehouse College, 1927; M.S., 1931; Ph.D., 1939, University of Iowa
- DREW, MRS. ALICE J. (1945) . . . . . *Training School*  
B.S., University of Illinois, 1933; M.S., Cornell University, 1943
- DREW, JESSE MONROE (1943) . . . *Director, Division of Arts and Sciences*  
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.
- FOREMAN, PEARL E. (1942) . . . . . *Home Economics*  
A.B., Howard University, 1935; B.S., Columbia University, 1933, *ibid*, 1939.
- FULLER, HARRY E. (1933) . . . . . *Painting*  
Trade Certificate in Painting, Hampton Institute, 1931; Hampton Institute, summer 1936.
- FULLER, MRS. RUBY COZZET (1943) . . . . . *Training School*  
B.S., 1934; M.S., 1942; Prairie View College.
- GALLOWAY, MRS. ELIZABETH C. MAY (1923) . . . . . *Director, Division of Home Economics*  
B.S., Kansas State College, Summer, 1919; M.S., 1933; University of Chicago, 1930; University of Minnesota, 1938-39.
- GERALD, WILLIE ROOSEVELT (1942) . . . . . *Carpentry and Cabinet Making*  
Trade Certificate in Carpentry, Prairie View College, 1930; A.B., 1933.
- HAMILTON, COL. WEST A. (1942-43, 1946) . . . . . *Professor of Military Science and Tactics*  
Miner Teachers College, 1906.
- HANCOCK, MRS. JEWELL HAZEL (1947) . . . . . *Training School*  
B.A., Texas College, 1946; M.Ed., University of Colorado, 1947.
- HERALD, AURLOCOLUS CLYDE, JR. (1946) . . . . . *Natural Science*  
B.S., 1936; M.S., 1942, Prairie View College.
- HENDERSON, DURIA (1945) . . . . . *Baking*  
Certificate in Baking, Prairie View College, 1940; Certificate in Radio Engineering, *ibid*, 1943.
- HERNDON, DANIEL NORRIS (1946) . . . . . *Mechanic Arts*  
B.S., Prairie View State College, 1939.
- \*HIGH, EDWARD GARFIELD (1946) . . . . . *Chemistry*  
A.B., 1940; A.M., 1941; Indiana University.

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\* On leave.

- HILL, JESSE LEON (1945) ..... *Tailoring*  
B.S., Prairie View College, 1940.
- HODGES, JESSIE W. (1947) ..... *Medical Director, Supt. of Hospital*  
B.S., Prairie View College, 1940; Meharry Medical School, 1946.
- HOUSTON, HASKELL S. (1942) ..... *Drawing and Drafting*  
B.S., Prairie View College, 1933.
- \*HOLLEY, THOMAS L. .... *Trades and Industrial Education Teacher-  
Trainer*  
B.S., Prairie View College, 1930.
- JAMES, LEE BANNER (1947) ..... *Industrial Education*  
B.S., Lincoln University, 1939; M.S., Wayne University, 1944.
- JEFFERSON, ROBERT BENJAMIN (1945, 1947) ..... *Education*  
A.B., Atlanta University, 1911; Ph.B., University of Illinois, 1934; M.A.,  
Columbia University, 1938; *ibid*, Summer, 1938, 1939; University of Penn-  
sylvania, 1944-45, 1946-47.
- JENKINS, HERMAN S. (1947) ..... *Masonry and Trowel Trades*  
Certificate in Masonry, Hampton Institute, 1932.
- JENKINS, ROBERT JAY (1947) ..... *Plumbing*  
Certificate in Plumbing, Tuskegee Institute, 1936.
- JOHNSON, MRS. BLANCHE EDWARDS (1946) ... *Social and Political Science*  
B.S., 1932; M.S., 1946, Prairie View College.
- JOHNSON, EDWARD J. (1927) ..... *Auto Mechanics*  
Certificate in Auto Mechanics, Prairie View College, 1919.
- JOHNSON, JOHNNIE MAE (1947) ..... *Sociology*  
B.A., Samuel Huston College, 1946.
- JOHNSON, MARY L. (1947) ..... *Nursing Education*  
Diploma in Nursing Education, Prairie View University, 1947.
- JONES, HERMAN T. (1947) ..... *Natural Science*  
A.B., University of Kansas, 1931; A.M., *ibid*, 1933; *ibid*, 1946.
- JONES, MAURICE (1945) ..... *Mechanic Arts*  
B.S., University of Illinois, 1928; University of Chicago, Summers, 1937,  
1939, 1941.
- JONES, N. A. .... *Auto Mechanic and Machine Shop Practice*  
1920, 1929, 1933, Kansas State Teachers College.
- KENYON, HARRY C. (1947) ..... *Mathematics*  
A.B., Shorter-Flipper-Curry College, 1921; M.S., Prairie View University,  
1926.
- KING, CURTIS R. (1946) ..... *Music*  
B.A., Knoxville College, 1945.

\* On leave.

- KINCHELOW, HOWARD JEFFERSON (1947) ..... *Education*  
B.S., Colorado State A. & M. College, 1946; M.Ed., *ibid.*, 1947.
- LANE, RUTHCELIA I. (1944) ..... *Home Economics, Clothing*  
A.B., Fisk University, 1939; M.A., Columbia University, 1944; Pratt Institute, 1943.
- LEE, WISTER MELVIN (1946) ..... *Physical Education*  
B.S., 1941, M.S., 1946; Prairie View College.
- McCLENNAN, WALTER D. (1947) ..... *Mathematics*  
B.S., Prairie View University, 1946; *ibid.*, 1946.
- McCOLLUM, ARTHUR R. (1945) ..... *Mechanic Arts*  
B.S., Hampton Institute, 1937; Iowa State College, Summer, 1941.
- MCDONALD, CLARENA (1945) ..... *Nursing Education*  
Diploma in Nursing Education, Prairie View College, 1945.
- McNEELEY, LIGGETT (1948) ..... *Mechanic Arts*  
Cert. in Shoe Repairing, Prairie View A. & M. College, 1948.
- MARSHALL, MRS. OLITA LOUISE FOWLER (1944) ..... *Social Science*  
B.S., 1937; M.S., 1938, Kansas State Teachers College.
- MARTIN, DANIEL W. (1919) ..... *Electricity*  
B.S., Mechanic Arts, Prairie View, 1928; Kansas State Teachers College, Summer, 1933; Prairie View College, Summer 1940-41.
- MONTGOMERY, MARGARET D. (1948) ..... *Music*  
Mus.B., Howard University, 1940; B.S.M., *ibid.*, 1942.
- \*NICHOLAS, CHARLES HAWKINS (1943) ..... *Biology*  
A.B., Talladega College, 1930; M.A., University of Michigan, 1939; Columbia University, Summer, 1934; Atlanta University Workshop, Summer, 1942.
- NICHOLAS, MRS. JOSEPHINE C. (1947) ..... *Home Economics, Clothing*  
B.S., Florida A. & M. College, 1935; M.S., Prairie View College, 1945.
- NICKS, WILLIAM JAMES (1945) ..... *Physical Education*  
A.B., Morris Brown College, 1928; M.A., Columbia University, 1941.
- NORMAN, THOMAS A. (1948) ..... *Electrical Engineering*  
B.S., in Electrical Engineering, Howard University, 1947.
- NORRIS, ERNEST MISHAEL (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) ..... *Chemistry*  
A.B., Indiana University, 1934; M.A., 1935, Ph.D., *ibid.*, 1942.

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\* On leave.

- OFFUTT, EDWINA AMANDA (1942) . . . . . *Acting Head, English Department*  
A.B., Kentucky State College, 1940; M.A., Indiana University, 1942.
- OWENS, EMORY R. (1941) . . . . . *Resident Physician*  
A.B., Fisk University, 1936; M.D., Meharry Medical College, 1941.
- PERKINS, LEE E. (1945) . . . . . *Social Sciences*  
B.A., Prairie View 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, DAISY BELLE (1943) . . . . . *Nursing Education*  
Diploma in Nursing Education, Prairie View College, 1938.
- POINDEXTER, ALFRED N. (1945) . . . . . *Veterinary Medicine*  
D.V.M., Kansas State College, 1945.
- PORTER, LOUISE BESSIE (1947) . . . . . *English*  
B.S., Georgia State College, 1944; M.A., Atlanta University, 1946.
- PORTER, THADDEUS G. (1947) . . . . . *Carpentry and Cabinet Making*  
Certificate in Carpentry, Prairie View State College, 1935.
- PRATT, EMMA THERESA MAE (1943, 1946) . . . . . *Home Economics*  
B.S., Prairie View College, 1935; M.F.A., University of Colorado, 1946.
- PRESTON, ANNE 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, MRS. BEATRICE H. (1945) . . . . . *Training School*  
B.S., Prairie View College, 1927; M.S., *ibid*, 1945.
- REEVES, GEORGE W. (1930) . . . . . *Education*  
A.B., Atlanta University, 1924; A.M., University of Michigan, 1932; *ibid*,  
Summer, 1936; North Carolina College for Negroes Workshop, Summer,  
1942.
- ROSS, JOHN R. (1945) . . . . . *Agriculture*  
B.S., Virginia State College, 1939; M.S., Cornell University, 1945.
- SAMS, ERISTUS (1946) . . . . . *Physical Education*  
B.S., Tuskegee Institute, 1938; Prairie View College, Summers, 1938, 1939,  
1940.
- SAMUEL, WILLIAM A. (1945) . . . . . *Chemistry*  
B.S., Johnson C. Smith University, 1933; M.S., Atlanta University, 1940;  
*ibid*, Summers, 1942, 1943.



- \*SHEEN, EDWIN DRUMMOND (1943) ..... *English*  
 A.B. James Milikin University, 1925; M.A., University of Illinois, 1927;  
 University of Chicago, 1929; 1936-37; Summer, 1938; 1941-42, Summer,  
 1942; Northwestern University, Summers, 1930, 1931.
- \*SHEEN, ROMA S. (1944, 1946) ..... *Mathematics*  
 B.S., Tennessee State A. & I. College, 1934; M.S., University of Iowa, 1935;  
 University of Illinois, 1935-36.
- SHIELDS, MRS. BENNIE L. J. (1946) ..... *Library Science*  
 B.A., Prairie View College, 1941; B.S. in L.S., University of Denver, 1947.
- SIMMONS, MRS. ANNIE J. (1947) ..... *English*  
 B.A., Prairie View College, 1935; M.A., Atlanta University, 1947.
- SMITH, GEORGE L. (1931) ..... *Director, Division of Agriculture*  
 B.S., Hampton Institute, 1929; M.S., Kansas State College, 1941; *ibid*,  
 1940-41.
- SOLOMON, THOMAS R. (1939) ..... *Head, Department of History,*  
*Philosophy and Political Science*  
 A.B., Wayne University, 1929; M.S., 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*  
 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.
- STUBBLEFIELD, CEDRIC TAYLOR (1947) ..... *Chemistry*  
 B.S., Houston College, 1942; M.S., Prairie View College, 1947.
- TATE, WILLIAM HENRY (1945, 1946) ..... *Printing*  
 Certificate in Linotype, Printing School, Cincinnati, 1936; Certificate in  
 Printing, Hampton Institute, 1939; Printing School, Cincinnati, Summer,  
 1940.
- TAYLOR, EDWIN P. (1947) ..... *Electricity*  
 B.S., Prairie View College, 1947.
- THOMAS, MRS. BESSIE A. (1942) ..... *Training School*  
 B.S., 1938; M.S., 1942, Prairie View College.
- THOMAS, OSCAR J. (1938) ..... *Itinerant Teacher Trainer*  
 B.S., Prairie View State College, 1926; Hampton Institute, Summer 1931;  
 University of Chicago, Summer 1934; Columbia University, Summer, 1936;  
 M.S., Prairie View College, 1945.

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\* On leave.

- THOMPSON, WARDELL D. (1944) ..... *Agriculture*  
 B.S., in Agriculture, Prairie View State College, 1940; M.S., *ibid*, 1946.
- \*THORNTON, ROBERT L. .... *Distributive Education*  
 B.S., University of Southern California, 1929.
- TOLSON, MELVIN BEAUNORUS, JR. (1946) ..... *Romance Languages*  
 B.S., Wiley College, 1942; B.D., Gammon Theological Seminary, 1946.
- VAILS, MAXWELL W., CAPT. (1948) ..... *Assistant Professor of Military  
 Science and Tactics*  
 B.S., Tuskegee Institute, 1938; Officer's Candidate School, 1942; Advanced  
 Infantry Course, 1944.
- VAN IRVIN, ALFRED (1943) ..... *Science*  
 A.B., Fisk University, 1931; M.S., University of Michigan, 1938; University  
 of Illinois, 1940-42; 1946-47.
- VICK, GEORGE L. (1947) ..... *Mathematics*  
 B.S., Virginia Union University, 1930; M.S., State University of Iowa, 1935;  
 Cornell University, 1936; University of Pennsylvania, Summers 1931, 1932,  
 1940, 1941; Diploma, Teletype Mechanics, Charute Field, 1942.
- \*VON CHARLTON, RUDOLPH EVERETT (1942) .. *Head, Department of Music*  
 B.S., in Music, Hampton Institute, 1931; M.Mus., University of Michigan,  
 1939; Columbia University, Summer 1945, 1946, 1947.
- WARNER, DILLARD (1946) ..... *Music*  
 A.B., Paul Quinn College, 1940; M.S., Prairie View University, 1946.
- \*WATSON, WILLIAM LEON (1937-39, 1945) ..... *Agriculture*  
 B.S., Hampton Institute, 1937; M.S., Michigan State College, 1945; *ibid*,  
 1945.
- WELLS, MRS. THELMA S. (1942) ..... *Training School*  
 B.S., 1930; M.S., 1940, Prairie View College.
- WESLEY, FRANKLYN DUNBAR IRA (1945) ..... *Mechanic Arts*  
 B.S., Prairie View State College, 1939; M.S., *ibid*, 1946; Illinois Institute  
 of Technology, 1945-46.
- WHITE, OCTURUS I. (1947) ..... *Cleaning and Pressing*  
 B.S., Bishop College, 1935.
- WILLIAMS, JOHN CALVIN (1940) ..... *Agriculture*  
 B.S., Hampton Institute, 1932; M.S., Kansas State College, 1940.
- WILSON, CLAUDE L. (1925) ..... *Director, Division of Mechanic Arts  
 Superintendent of Buildings and College Utilities*  
 B.S., Mechanical Engineering, 1925; Kansas State College; M.E., 1929,  
*ibid*; M.S., 1933, *ibid*.

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\* On leave.

- 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 Teach-  
ers College, 1941.
- WILSON, MRS. LUCELUSTINE W. (1943) ..... *Training School*  
B.S., Prairie View College, 1926; M.S., *ibid*, 1943.
- WINDOM, JOHN HENRY (1942) ..... *Education*  
B.S., University of Illinois, 1932; M.S., University of Illinois, 1937; Ed.D.,  
Indiana University, 1947.
- WOOD, CURTIS ALEXANDER (1947) ..... *Health Education*  
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, MRS. DOUGLAS G. (1947) ..... *Training School*  
B.S., Prairie View College, 1943; M.S., *ibid*, 1945.
- WOOLFOLK, GEORGE RUBLE (1943) ..... *History*  
A.B., Louisville Municipal College, 1937; M.A., Ohio State University,  
1938; Ph.D., University of Wisconsin, 1947.
- YANCY, COLQUIT DuBOIS (1947) ..... *Agriculture*  
B.S., in Agriculture, Prairie View College, 1936; M.S., Colorado A. & M.  
College, 1946.

#### OTHER OFFICERS AND ASSISTANTS

- PIERCE ANDERSON, *Instructor in Metal Work*
- ISSAC BENNETT, *Assistant Custodian, Gymnasium*
- WINTHROP J. BOULWARE, *Technical Sergeant, U. S. A., Instructor,*  
*Department of Military Science*
- JOHNNIE RUTH BROWN, B.S., *Secretary, Mechanic Arts Division*
- HAZEL CAMPBELL, *Secretary, Mechanic Arts Division*
- ANDREW E. CHARLESTON, B.S., *Engineer, Steam Plant*
- EZE LEE COVINGTON, *Secretary, Department of Business Administration*
- A. O. CRAVIN, *Custodian of Buildings*
- JAMES E. DAILEY, B.S., *College Electrician*
- HENRIETTA T. FARRELL, B.S., *Superintendent of Laundry*
- GLORIA FREEMAN, B.S., *Custodian, Gymnasium*
- FRANCIS G. FRY, B.S., *Chief Engineer*
- EUGENE GARDENER, *Staff Sergeant, U. S. A., Supply Sergeant,*  
*Department of Military Science*
- NATHANIEL C. HARDIN, B.S., *Manager, College Exchange*
- ROBERT JOHNSON, *Assistant Manager, College Exchange*
- SAMUEL JONES, *Sergeant, U. S. A., Clerk, Department of Military*  
*Science*
- WILLIAM S. KIDD, *Plumbing Repairman*

**WILLIAM KNOX, Master Sergeant, U. S. A., Sergeant Major of Military Department**

**MRS. JOYCE E. MARTIN, Secretary, Mechanic Arts Division**

**MRS. MAXINE MULDROW, B.S., Telephone Operator**

**CHARLES E. PATTERSON, Corporal, U. S. A., Maintenance Man, Department of Military Science**

**F. G. RHONE, Head of Truck Operations**

**ALFRED RICHARDS, Engineer, Steam Plant**

**EUNELL SADBERRY, Head Telephone Operator**

**THOMMYEE SADBERRY, Telephone Operator**

**LLOYD E. SCOTT, B.A., Director of Student Life**

**ETHEL M. SENEGAL, Secretary, Division of Arts and Sciences**

**GERTHA MAE TAYLOR, Secretary, Division of Home Economics**

**Q. D. THOMAS, Engineer, Steam Plant**

**IRA TOMPKINS, Carpenter Repairman**

**EDITH WALKER, Secretary, Division of Agriculture**

**HAROLD WASHINGTON, Cleaner and Presser**

**ADDISON I. WATSON, Engineer, Steam Plant**

**ROBERT WATSON, Staff Sergeant, U. S. A., Maintenance Man, Military Department**

## GRADUATE FELLOWS FOR THE YEAR 1947-48

**ABRAMS, LARRY CARL, B.S., Prairie View University, 1947**

**HOLLINS, ARNTIE EDWARD, B.A., Prairie View State College, 1939**

**OWENS, EMIEL W., B.S., Prairie View University, 1947**

**PRUITT, JOHN WESLEY, A.B., Texas College, 1940**

**THOMAS, VERLIE AUGUSTA, B.S., Prairie View University, 1947**

**TOLSON, ARTHUR L., B.A., Wiley College, 1946**

## COOPERATIVE EXTENSION SERVICE

Prairie View A. & M. College has as one of its divisions, Agricultural Extension Service. The headquarters of this division is located on the campus of the college. At the present time 97 county agents are working in 56 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** ..... *State Leader*  
 Normal Diploma in Agriculture, Prairie View Normal, 1917; B.S. in Pharmacy, Howard University 1924; Prairie View State College, Summers, 1939, 1941.

- MARSHALL V. BROWN ..... *Administrative Assistant*  
 B.S. in Agriculture, 1931, Prairie View State College, Summers, 1929,  
 1941, 1942; 1942-43, *ibid.*
- MRS. PAULINE R. BROWN ..... *Supervisor of Negro Home Demonstration  
 Work and District Home Demonstration Agent.*  
 B.S. in Home Economics, Prairie View State College, 1931; *ibid.*, Summers,  
 1939, 1941, 1942.
- HENRY S. ESTELLE ..... *District Agent*  
 B.S. in Agriculture, Prairie View State College, 1932; *ibid.*, 1938-39, 1939-  
 40, 1942-43, Summers, 1939, 1941-42.
- MRS. JEFFIE O. CONNER ..... *District Home Demonstration Agent*  
 B.S., in Home Economics, Prairie View State College, 1934; M.S., *ibid.*, 1944.
- MYRTLE E. GARRETT ..... *Acting District Home Demonstration Agent*  
 B.S. in Home Economics, Prairie View State College, 1938.
- J. V. SMITH ..... *District Agent*  
 Normal Graduate in Agriculture, 1912, Prairie View State College; *ibid.*,  
 Summers 1929, 1937, 1939, 1940.
- JOHN E. MAYO ..... *Acting District Agent*  
 Normal Graduate in Agriculture, 1912; Prairie View University; Summers,  
 1929, 1930, 1941.
- VIRGIE MAE AUSTIN ..... *Secretary to Agricultural  
 Extension Department*  
 B.S. in Home Economics, Tillotson College, 1946.
- MAURICE CARTER ..... *Secretary to Home Demonstration  
 Extension Service Department*
- MRS. SYLVIA S. SADBERRY ..... *Farm Labor Secretary*

## ALUMNI ACTIVITIES

The Alumni and Ex-Students Association is functioning under a constitution which was revised in May 1947. 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 \$5,000.00 to establish the office of a full time executive secretary.

#### OFFICERS OF THE ASSOCIATION

R. W. HILLIARD, *President*  
LAWRENCE BAGWELL, *1st Vice President*  
L. C. McMILLAN, *2nd Vice President*  
A. C. HERALD, JR., *Executive Secretary*  
LULU M. WHITE, *Corresponding Secretary*  
F. R. PIERSON, *Treasurer*  
MABLE KILPATRICK, *Pianist*  
EULA M. DOOLEY, *Pianist*  
D. W. MARTIN, *Sergeant-at-Arms*  
WM. BATTS, *Chaplain*  
A. W. McDONALD, *Parliamentarian*  
O. J. THOMAS, *Chairman, Membership Committee*

Alumni Day is observed Annually on the Saturday before Commencement Day of the Regular Session.

#### VETERANS ADMINISTRATION GUIDANCE CENTER

The Prairie View Guidance Center was established in December 1946, by the Veterans Administration, Regional Office, Houston, Texas. The Center is designed to help to rehabilitate the veteran and assist him in selecting a vocational objective. Through a series of tests, the Center attempts to ascertain the abilities, aptitudes, interests and experiences of the veterans. The Chief of the Center uses the data obtained from the test as one of the bases for advisement. Veterans seeking the services of the Guidance Center should write the Chief of the Guidance Center.

#### GUIDANCE CENTER AND VETERANS COUNSELORS' STAFF

LEE E. PERKINS, B.S., *Chief of Guidance Center*  
H. J. KINCHELOW, M.S., *Veterans Counselor*  
AUDREY STEWARD, B.A., *Secretary*

# GENERAL INFORMATION

## LOCATION

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

## 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, Mechanic Arts 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 Division of Agriculture.
- The Division of Arts and Sciences.
- The Division of Home Economics.
- The Division of Mechanic Arts.
- The Division of Nursing Education.
- The Division of Graduate Study.

## HISTORY

The Fiftieth 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. In that year L. M. Minor was elected first principal of the school. He served in this capacity until 1880. In the last year of his principalship a legislative act provided for reorganization of the college and made available funds for the training of public school teachers therein. The second principal, E. H. Anderson, served from 1880 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 fifteen 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-Gymnasium-Dining Hall Building (1911).

I. M. Terrell, the fifth principal, held the position during the war years 1915-1918. Despite the stricture of 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 State College was 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 State College. He served until August 31, 1947, at which time he became Principal Emeritus. He held the position longer than any of his predecessors. He was succeeded on September 1, 1947, by E. B. Evans, who became the eighth principal of Prairie View University. Prairie View has developed along several lines in the past decade and a half. The physical plant has doubled its size, now having four one-hundred thousand-dollar buildings—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 Audi-



torium-Gymnasium, a new Mechanic Arts Building, and over sixty cottages for college families.

A corresponding growth of educational emphasis at Prairie View has taken place in the last fifteen years. One of the significant studies of the period was an exhaustive examination of the objective and purposes of Prairie View College 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, business men and women, housewives, social workers, farmers, men and women of Texas from all walks of life. These citizens have met together and discussed phases of Texas life, from the facilities for educating Negro citizens to the training of domestic servants.

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

In 1936 when the first of a series of buildings was built to house the N. Y. A. residence center at Prairie View, a new chapter in Vocational Training for youth was opened. The project was originally designed to aid both boys and girls in getting work experience in some desirable field of work. The project was enlarged and made a training center for Negro boys in critical occupations for support of the war effort. The boys from this project filled positions as welders, mechanics, pipe fitters, machine operators, and moulders in shipyards, foundries, and machine shops all over the nation. The project terminated in July, 1943. The facilities are now being used for vocational and trade courses in which returning veterans will find an ever widening opportunity.

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 State College a university to offer as the need arises all courses offered at the University of Texas.

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 provided 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.

### THE W. R. BANKS LIBRARY

The Library named in honor of the former chief executive, is located between Evans and Luckie halls, just south of the 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 will be fostered in Exposition Hall and in the Art Room.

The various collections consist of well selected books, periodicals, films, micro-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 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, 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*

Thirty-three 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), Florence Nightingale Nurses Club, Graduate Students Club, Business Administration and Social Science Club, History, Political Science and Philosophy Club, Dillente Literary Society, Charles Gilpin Dramatic Club. Religious: Y.M. C.A., Y.W.C.A., Sunday School, Usher Board, Catholic Club. Dormitory Clubs: Luckie Hall Girls, Anderson Hall Girls, M. E. Suarez Club, Minor Hall Girls.

#### *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, indoor baseball 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-VALIAN 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 is presented each year to the outstanding student in drafting.

**PRAIRIE VIEW HOSPITAL STAFF AWARD.** An award presented to the best all around 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 University, has made the most outstanding contributions to the institution.

**FRANKIE A. SMITH MEMORIAL AWARD.** A cash award of \$50.00 for tuition to the student of Junior Classification who has maintained the highest grade point average as a major in History or Political Science. The grade point average must be 2.0, or above.

**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.

## LOAN FUNDS

Prairie View College has five loan funds available to students:

1. The Hogg Memorial Loan Fund of \$25,000, 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 for a scholarship fund in Home Economics and \$25,000 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 girls and boys 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.

## 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.

## 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 requirements cheerfully. A student who cannot meet the requirements and whose conduct is not in accord with the principles and ideals of the college will be asked to withdraw.

"Any student who makes false pretense as to his or her married state 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 enrolling."

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, which it deems advisable. The disciplinary authority of the College is vested in the Dean in such cases as he deems proper.

### 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 \$250.00 or shall be confined not less than ten days nor more than three months, or both."

## EXPENSES AND FEES FOR ALL STUDENTS EXCEPT NURSES

(These fees are subject to change without notice)

### FIRST SEMESTER

	Men <sup>1</sup>	Women	Veterans Living in FPHA Units
Tuition .....	\$ 25.00	\$ 25.00	\$
Student Health & Activity Fee ....	8.00	8.00	
*Maintenance Sept. 13-30, 1948.....	16.80	16.80	18.60
Uniform Service Charge .....	5.00		
<i>Total Fees for Entrance</i> .....	<i>\$ 54.80</i>	<i>\$ 49.80</i>	<i>\$ 18.60</i>
*Maintenance—October .....	28.00	28.00	31.00
*Maintenance—November .....	28.00	28.00	31.00
*Maintenance—December 1-21 ....	19.60	19.60	21.70
*Maintenance—January 1949 .....	28.00	28.00	31.00
<i>Total Fees for First Semester</i> .....	<i>\$153.40</i>	<i>\$153.40</i>	<i>\$133.30</i>
Books and Supplies—estimated ...	20.00	20.00	
<i>Total expenses—First Semester</i> ...	<i>\$178.40</i>	<i>\$173.40</i>	

### SECOND SEMESTER

Tuition .....	\$ 25.00	\$ 25.00	\$
Student Health & Activity Fee ....	8.00	8.00	
*Maintenance—February .....	28.00	28.00	31.00
† <i>Total Fees for Entrance</i> .....	<i>\$ 61.00<sup>2</sup></i>	<i>\$ 61.00</i>	<i>\$ 31.00</i>
*Maintenance—March .....	28.00	28.00	31.00
*Maintenance—April .....	28.00	28.00	31.00
*Maintenance—May .....	28.00	28.00	31.00
<i>Total Fees Second Semester</i> .....	<i>\$145.00</i>	<i>\$145.00</i>	<i>\$124.00</i>
Books and supplies—estimated ....	20.00	20.00	
<i>Total expenses Second Semester</i> ...	<i>\$165.00</i>	<i>\$165.00</i>	
<i>Total Fees Regular Session</i> .....	<i>\$303.40</i>	<i>\$298.40</i>	<i>\$257.30</i>
<i>Total Expenses Regular Session</i> ...	<i>\$343.40</i>	<i>\$338.40</i>	
Room Key deposit, returnable. (Payable to Dean of Men or Women—\$1.00)			

\* Maintenance includes board, room and laundry.

† Male students entering college in February must pay an additional \$2.50 for Uniform Service Charge.

<sup>1</sup> Veterans who live in the college owned dormitories pay only the maintenance charges in this column.

<sup>2</sup> Students registering for the first time in the current school year must pay an additional \$2.50 for Uniform Service charge.

## OTHER STUDENT FEES

1. Tuition
  - a. Registration in absentia: \$7.50
  - b. Extension School: \$10.00 plus \$3.00 per course
  - c. Correspondence course Fee: \$16.00
  - d. Music fees: Piano, voice or other instruments (excluding organ) \$12.00 per semester. \$5.00 per month for organ lessons.
  - e. Shorthand or typing fee is \$4.50 per semester or \$8.00 per semester when both are taken at the same time.
2. Late registration fee \$1.00 per day, accumulative to \$5.00
3. Transcript fee: \$1.00 per copy after the first copy
4. Entrance examination fee \$ .50 (For students from non-accredited high schools (state))
5. Deficiency examination fee \$1.00 for removal of deficient grade E, I or K
6. Diploma and Trade Certificate Fees
  - a. College Diploma \$5.00
  - b. Graduate Nursing Diploma \$7.50
  - c. Trade certificate \$2.00
  - d. Graduate School Diploma and Graduation fee \$10.00

## LABORATORY FEES

A laboratory fee of \$2.00 per semester is charged for each laboratory course in foods, biology and chemistry.

## NURSING FEES

## FIRST YEAR

## 1st Semester

Tuition (non-residents pay \$150).....	\$ 25.00
Student Activity Fee .....	8.00
Board, Room, Laundry for September.....	19.60
	<hr/>
	\$52.60
*October .....	28.00
*November .....	28.00
*December .....	19.61
*January .....	28.00
	<hr/>
	\$156.21
Books and supplies—estimated.....	20.00
	<hr/>
	\$176.21

\*Maintenance, including board, room and laundry.

*2nd Semester*

Tuition (non-residents pay \$150).....	\$ 25.00
Student Activity Fee .....	8.00
Board, Room, Laundry for February.....	28.00
Uniforms .....	57.00

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\$118.00

*March .....	28.00
*April .....	28.00
*May .....	21.47

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Total for Second Semester.....\$195.47

Total for First Semester.....176.21

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Total for Year.....\$371.68*Summer Session*

Tuition (\$15.00 per 6 weeks term) .....	\$ 30.00
Student Activity Fee .....	7.00

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\$ 37.00Room and board for first summer furnished by Prairie View Hospital.  
Non-residents of Texas pay \$50 tuition per summer term

## 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	

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\$ 95.00*Second Semester*

Tuition .....	25.00
Room and board furnished by Jefferson Davis Hospital	

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Total both semesters.....\$120.00*Summer*

Tuition (\$15.00 per six weeks term) .....	30.00
Room and board furnished by Jefferson Davis Hospital	

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\$150.00

Non-residents of Texas pay \$50 tuition per summer term

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\*Maintenance, including board, room and laundry.



## THIRD YEAR

## First Semester

Tuition (non-residents pay \$150.00) .....	\$ 25.00
Books (estimated) .....	10.00
Room and board furnished by Jefferson Davis Hospital	
	\$ 35.00

## Second Semester

Tuition (non-residents pay \$150.00) .....	25.00
Diploma .....	7.50
State Board Examination .....	15.00
White Uniform and Shoes (estimated) .....	10.00
Picture for State Board.....	1.50
Photostat copy of records .....	1.00
Room and board furnished by Jefferson Davis and Prairie View Hospitals	
	\$ 60.00
Total both semesters.....	\$ 95.00

## Summer Session

Tuition .....	\$ 30.00
Activity Fee .....	7.00
	\$ 37.00
Non-residents of Texas pay \$50 tuition per summer term	
Total for Year .....	\$132.00
Total for Three Years .....	\$690.68

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.

All entering Nursing Education students pay the entrance fee which covers the cost of tuition, books, and uniforms for the first year only.

## ACTIVITY FEE

The activities covered by the 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, activities, health service and provision of orchestral music for approved entertainments.

## DEDUCTIONS AND REFUNDS

## 1. Tuition

During the long session any student withdrawing officially from the institution will receive the following fractional refunds of the matriculation fee: (1) during the first week of class work in a semester, four-fifths of the fee, (2) during the second week, three-fifths of the fee, (3) during the third week, two-fifths of the fee, (4) during the fourth week, one-fifth of the fee. After the fourth week no part of the registration fee will be refunded.

The starting point for determining fractional refunds is the date set for class work for a given semester.

## 2. Activity Fee

Any student withdrawing officially (a) during the first week of class work in a semester will receive a refund of the semester's 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, (e) after the fourth week of class work, nothing.

## 3. Key

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.

## NON-RESIDENT STUDENT REGISTRATION FEES

- A. 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.
- B. 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.
- C. For registration *in absentia* in any term or semester (but for no courses) \$12.50.

Be it resolved by the Board of Directors of the Agricultural and Mechanical College of Texas that the following schedule of registration 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, 1948:

## A.

- A. 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.

Fiftieth Legislature. Students taking one fourth or less of a full semester or summer term course are excepted.

	Regular Session		Summer Session	
	1st Semester	2nd Semester	1st Term	2nd Term
Prairie View				
A. & M. College.....	\$8.00	\$8.00	\$3.50	\$3.50

### MUSIC FEES

Piano or voice, two lessons a week, including the use of piano for practice \$12.00 a semester.

All students who are music majors or minors and are registered in voice, piano or other instruments (excluding organ) will pay \$12.00 a semester, in advance.

A fee of \$5.00 a month is charged for organ lessons, payable in advance.

The above fees include use of instruments for practice.

### ACTIVITY FEE

The activities covered by the 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, and provision of orchestral music for approved entertainments.

### COMMERCIAL STUDIES

#### *Fee—Payable in Advance*

A fee of \$4.50 per semester is charged those taking typing or shorthand; for those taking typing and shorthand, the fee is \$8.00 per semester.

### KEY DEPOSIT REFUND

Key deposits will be refunded if the student returns his key to the Dean of Men or Dean of Women 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 of Men or the Dean of Women within three days after date of withdrawal for any cause.

### DIPLOMA AND TRADE CERTIFICATE FEES

1. College Diploma \$5.00 (Optional)
2. Graduate Nursing Diploma \$7.50 (Optional)
3. Trade Certificate \$2.00 (Optional)
4. Graduate School Diploma and Graduation fee \$10.00.

DEDUCTIONS AND REFUNDS

During the long session any student withdrawing officially from the institution will receive the following fractional refunds of the matriculation fee: (1) during the first week of class work in a semester, four-fifths of the fee; (2) during the second week, three-fifths of the fee, (3) during the third week, two-fifths of the fee; (4) during the fourth week, one-fifth of the fee. After the fourth week no part of the registration fee will be refunded.

The starting point for determining fractional refunds of tuition is the date set for registration for a given semester.

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, the 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 18 years of age and not over 30 years of age. 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

# 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 18 years of age and not over 30 years of age.

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. September 13 and 14, 1948, 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 advanced standing in this college upon presentation of an official transcript of all work completed at the other institution.

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 upon 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 Director of the Division 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 will be admitted

on individual approval even though they do not have fifteen units of high school work, but they 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 Mechanic Arts Division 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; 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, and is offered the first semester, carries four semester hours of credit, and requires two clock hours for lecture and four clock hours for laboratory period.

### *Classification*

Students who have credit for twenty-four semester hours are classified as sophomores; those having fifty-four semester hours are classified as juniors and those having ninety-four semester hours are classified as seniors.

### *Class Attendance*

It is a student's duty to attend regularly and punctually each class or laboratory exercise in each course. For credit toward a degree or for a certificate of proficiency, regular attendance is required in addition to the proficiency attested by class work and examination. Absences are counted from the first meeting of the class in each session. A student may be absent without penalty in a Session as follows: From a course meeting once weekly, twice; from a course meeting twice weekly, three times; from a course meeting three times weekly, five times; from a course meeting four times weekly, six times; from a course meeting five times weekly, seven times.

Each student should keep a record of his absence from class or tardiness. In case the limit is exceeded, a student desiring credit for



the course may at the close of the Session submit a statement to the Registrar showing the cause of each absence.

If in the judgment of the Registration and Classification Committee these causes were imperative, full or partial credit for the course may be assigned by the Director in accordance with the extent and reason of the student's absences and the standing attained in the course.

#### *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 director of the division. 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 director, 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.

#### *Extra Loads*

Any credit course taken in addition to a program of 17 semester hours constitutes an extra load in the Arts and Sciences Division and 18 semester hours in the other divisions. To carry an extra load the student must obtain written permission from the Classification Committee. Permission 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); E (60-64); F (below 60); I—Incomplete; K—Delinquent Account. A grade of "I" means that some relatively small part of the session's work remains undone because of illness or other unavoidable reasons. 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 director of the division 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 director's permission is given a failing grade.

The student must make application to the Registrar for a permit to remove a grade of "I."

#### *Grade Points*

For a grade of "A" in any subject, three times as many 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 the regular session. To qualify for the honor roll a student must have 12 hours and 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) 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 Director of the division 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 Examination*

A student who is compelled to be absent from a semester examination for sickness or other imperative cause, should petition his director—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 director'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 a 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 Division of Agriculture, Bachelor of Science.
2. From the Division of Arts and Sciences, Bachelor of Arts, Bachelor of Music, Bachelor of Science, and Bachelor of Science in Education.
3. From the Division of Home Economics, Bachelor of Science.
4. From the Division of Nursing Education, Graduate Nurse Diploma and Bachelor of Science.
5. From the Division of Mechanic Arts, Bachelor of Science.
6. From the Division of Graduate Study, Master of Science.

No degree will be conferred except publicly on Commencement Days. Every candidate must attend in person the Commencement at which his degree is to be conferred. If he must be absent for a good cause, he must petition the Dean 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 division in which he is enrolled. One grade point for each semester hour presented for graduation is required of all candidates for degrees. Transfer students will not be credited with grade points in excess of hours. Students with less than a grade point average of one must make up the deficiency.

*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 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 for 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 divisions 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, original and first carbon, must be filed in the Director'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 from the divisions of Agriculture, Home Economics, and Mechanic Arts 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.

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.

*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. Two-thirds of 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, Short-hand, Typing, Dressmaking, Cooking, Baking, Painting, and Interior Decorating.

#### *Requirements for Teaching Certificate*

All teaching certificates are issued by the State Department of Education and signed by the State Superintendent of Public Instruction. 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 Certificates*  
30 hours total college credit, which must include
  - 6 hours in English
  - 6 hours in Education
  - A course in Texas and Federal Governments
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
  - 12 hours in Education, 6 of which is Secondary
  - 6 hours in English
  - A course in Texas and Federal Governments
4. *High School Six-Year Certificate*  
90 hours total college credit, which must include
  - 18 hours in Education, 6 Secondary
  - 6 hours in English
  - 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
    - Practice Teaching
    - 6 hours in English
    - 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.

## DIVISION OF GRADUATE STUDY

## REQUIREMENTS FOR THE MASTER'S DEGREE

The requirements for the degree of Master of Science include (1) satisfactory completion of the minimum residence period, (2) satisfactory completion of certain graduate courses and certain supporting undergraduate course, (3) presentation of a satisfactory thesis, and (4) the passing of a comprehensive examination.

1. Admission to Candidacy for the Master's Degree—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 Credits*—At least thirty semester hours of graduate work, including the thesis, must be completed satisfactorily. Ordinarily, twenty hours of graduate work in the minor field will be required.

4. *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 course in which a student is registered.

5. *Thesis*—A candidate for the degree of Master of Science is expected to prepare a thesis as part of the requirements for the degree.



The preparation of the thesis should be begun in a seminar course, but it should be definitely understood that while credit is given in the seminar in which the student may be working on a thesis, no semester-hour credit is allowed for the thesis itself. 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, 8½x11 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.

6. *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 Student's 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 at the request of the department concerned.

#### *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.

## FIELDS OF STUDY

Major and Minors may be selected in the following fields:

Agricultural Economics	*Home Economics Education
Agricultural Education	Industrial Education
Biology	Mathematics
Chemistry	Mechanic Arts
Economics	Music
Administration and Supervision	Physical Education
English	Political Science
General Education	Rural Education
*Home Economics (Technical)	Rural Sociology
History	Sociology

For further information regarding course offerings on the graduate level see the bulletin "Announcement of Graduate Study." Write to the Office of the Registrar or the Office of Graduate Studies for this bulletin.

## RULES AND REGULATIONS FOR GRADUATE SCHOLARSHIPS

1. Each scholarship consists of \$500.00, payable monthly to the scholar in 12 equal installments of \$41.66.
2. A scholarship award covers one long session and one summer session of continuous work, beginning in September and ending in August of the following year.
3. A person receiving the award is expected to render services to the institution in consideration of the award. Such services, *during the long session* are assigned by the Graduate Committee and placed under the supervision of the head of the department in which the scholar takes his major work; and such services, *during The Summer Session* as are administered by the Student's Advisory Committee, subject to approval by the Graduate Committee.  
Scholarships are assigned by the Graduate Committee, subject to approval by the Principal, on the basis of scholastic attainment, worthiness of character and promise of success in the principal field to which the applicant proposes to devote himself.
5. The scholar is allowed to carry a maximum load of 12 semester hours during the long session. His load for the summer session is determined by his Advisory Committee.

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\* May be selected for a minor only. A "split" major may be taken in Home Economics Education and Home Economics combined—with special emphasis devoted to either of the two fields.



## DIVISION OF AGRICULTURE

The Division of Agriculture offers two four-year curricula leading to the degree of Bachelor of Science in Agriculture. The entrance requirements for these curricula are the same as for the other divisions of the college. The work in this division centers around instruction and practice in Agricultural Education, Agronomy, Animal Husbandry, Dairying, Horticulture, Rural Economics, Rural Engineering, Rural Health, Rural Sociology, Special Agricultural Science, and Veterinary Science. In addition to subjects purely agricultural, the student is given instruction in professional and vocational subjects and the sciences closely related to agriculture.

### DIVISIONAL REQUIREMENTS FOR GRADUATION

For the degree of Bachelor of Science in Agriculture one hundred and forty (140) semester hours of work must be completed as outlined in the course of study for the division.

### CURRICULUM IN AGRICULTURAL EDUCATION

#### DIVISIONAL REQUIREMENTS FOR GRADUATION

##### FRESHMAN YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 113 .....	3	English 123 .....	3
Grammar and Composition .....		Reading and Composition .....	
Chemistry 114 .....	4	Mathematics 183 .....	3
Inorganic .....		Elements of Applied Mathematics .....	
Horticulture 113 .....	3	Chemistry 214 .....	4
Farm Gardening .....		Inorganic .....	
Rural Engineering 113 .....	3	Rural Engineering 123 .....	3
Farm Shop .....		Farm Machinery .....	
Education 103 .....	3	Animal Husbandry 113 .....	3
General Orientation .....		Types and Market Classes of Livestock .....	
Infantry 111 .....	1	Infantry 121 .....	1
Military Science, Basic .....	—	Military Science, Basic .....	—
	17		17

##### SOPHOMORE YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 213 .....	3	English 223 .....	3
Public Speaking .....		World Literature .....	
Animal Husbandry 213 .....	3	Horticulture 222 .....	2
Farm Poultry .....		Landscape Gardening .....	
Biology 134 .....	4	Dairying 223 .....	3
General Botany .....		Farm Dairying .....	
Chemistry 254 .....	4	Political Science 263 .....	3
Agricultural Chemistry .....		National Government .....	
Rural Economics 213 .....	3	Rural Engineering 223 .....	3
Agricultural Economics .....		Graphic Methods .....	
Military Science 211 .....	1	Veterinary Science 223 .....	3
Military Science, Basic .....	—	Anatomy and Physiology .....	
	18	Military Science 211 .....	1
		Military Science, Basic .....	—
			18

JUNIOR YEAR

First Semester		Hrs.	Second Semester		Hrs.
Animal Husbandry 342		2	Animal Husbandry 313		3
Farm Meats			Feeds and Feeding		
Agronomy 313		3	Agronomy 323		3
Field Crops			Soil Fertility		
Veterinary Science 313		3	Rural Economics 323		3
Anatomy and Physiology			Farm Management		
Rural Engineering 313		3	Agricultural Education 373		3
Terracing			Special Methods of Teaching		
Horticulture 313		3	Vocational Agriculture in		
Fruit Growing			Secondary Schools		
Political Science 203		3	Horticulture 323		3
State Government			Vegetable Gardening		
Military Science 313			Military Science 323		
Military Science, Advanced			Military Science, Advanced		
		—	Elective		2
		17			—
					17

SENIOR YEAR

First Semester		Hrs.	Second Semester		Hrs.
Science 412		2	Rural Economy 423		3
General Entomology			Marketing		
Science 413		3	Horticulture 433		3
Plant Physiology			Plant Propagation		
Biology 334		4	Agronomy 412		2
Bacteriology			Forage Crops		
Agriculture Education 423		3	Education 333		3
Observation and Practice Teaching			Educational Psychology		
in Agriculture			Military Science 423		3
Agronomy 423		3	Military Science, Advanced		
Soil Conservation			Science 422		2
History 463		3	Economic Entomology		
Negro History					—
Military Science 413		3			19
Military Science, Advanced					
		—			
		21			

During the senior year all students majoring in Agricultural Education must do not less than eight weeks of directed teaching in any approved Department of Vocational Agriculture off the Campus. All students majoring in Agriculture Education must have had at least two years of practical farm experience prior to the date of graduation.

The following elective subjects are suggested for students majoring in Agricultural Education: Agricultural Education 403, 433, 443, 453; Horticulture 313, 443, 343; Rural Economics 342; Rural Engineering 343, 323; Rural Sociology 413; Rural Health 123.

## CURRICULUM IN GENERAL AGRICULTURE

Note: The course of study for the freshman and sophomore year is the same as that for Agricultural Education.

### JUNIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Agronomy 313 .....	3	Agronomy 323 .....	3
Field Crops		Soil Fertility	
Animal Husbandry 413 .....	3	Animal Husbandry 313 .....	3
Horses, Swine, Beef, and Sheep Production		Feeds and Feeding	
Rural Engineering 313 .....	3	Rural Economics 323 .....	3
Terracing		Farm Management	
Horticulture 313 .....	3	Military Science 323 .....	
Fruit Growing		Military Science, Advanced	
Military Science 313 .....		Electives .....	8
Military Science, Advanced			17
Electives .....	5		
	—		
	17		

### SENIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Science 412 .....	2	Rural Economics 423 .....	3
General Entomology		Marketing	
Science 413 .....	3	Science 422 .....	2
Plant Physiology		Economic Entomology	
Biology 334 .....	4	Dairying 423 .....	3
Bacteriology		Dairy manufacturing	
Animal Husbandry 342 .....	2	Horticulture 433 .....	3
Farm Meats		Plant Propagation	
Agronomy 423 .....	3	Military Science 423 .....	
Soil Conservation		Military Science, Advanced	
Military Science 413 .....		Electives .....	3
Military Science, Advanced			14
Electives .....	3		
	—		
	17		

### GROUP OF ELECTIVE SUBJECTS FOR STUDENTS

#### SPECIALIZING IN GENERAL AGRICULTURE

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Veterinary Science 313 .....	3	Horticulture 323 .....	3
Anatomy and Physiology		Vegetable Gardening	
Dairying 313 .....	3	Animal Husbandry 323 .....	3
Domestic Dairying		Commercial Poultry, Plant Management	
Rural Engineering 343 .....	3	Biology 254 .....	4
Farm Building		Genetics	
Horticulture 433 .....	3	Rural Sociology 413 .....	3
Plant Propagation		Human Relations	
Agronomy 412 .....	2	Science 423 .....	3
Forage Crops		Plant Pathology	
Animal Husbandry 414 .....	4	Animal Husbandry 423 .....	3
Special Problems		Incubation and Breeding	
Agricultural Education 453 .....	3	Horticulture 443 .....	3
Extension Methods		Floriculture	
Rural Engineering 323 .....	3	Rural Economics 342 .....	2
Advance Forage Work		Legal Relations of the Farmer	
Political Science 263 .....	3	Military Science 313 or 323 or 413 or 423 .....	
American National Government		Military Science, Advanced	
Horticulture 343 .....	3		
Food Preservation			

## OUTLINE OF TWO-YEAR COLLEGIATE COURSE IN AGRICULTURE

### FIRST YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 113 .....	3	English 123 .....	3
Grammar and Composition		Reading and Composition	
Animal Husbandry 113 .....	3	Mathematics 183 .....	3
Types and Market Classes of Livestock		Elements of Applied Mathematics	
Rural Engineering 113 .....	3	Rural Engineering 123 .....	3
Farm Shop		Farm Machinery	
Military Science 111 .....	1	Military Science 121 .....	1
Military Science, Basic		Military Science, Basic	
Electives .....	4	Rural Health 123 .....	3
Horticulture 113 .....	3	Health Education	
General Farm Gardening and Orchardng		Electives .....	4
	—		17
	17		

### SECOND YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Agronomy 313 .....	3	Horticulture 222 .....	2
Field Crops		Landscape Gardening	
Animal Husbandry 213 .....	3	Dairying 223 .....	3
Farm Poultry, Incubation and Brooding		Farm Dairying	
Horticulture 313 .....	3	Agronomy 423 .....	3
Fruit Growing		Soil Conservation	
Rural Economics 213 .....	3	Animal Husbandry 342 .....	2
General Agricultural Economics		Farm Meats	
Military Science 211 .....	1	Veterinary Science 223 .....	3
Military Science, Basic		Anatomy and Physiology	
	—	Military Science 221 .....	1
	13	Military Science, Basic	
		Electives .....	3
			—
			17

## DESCRIPTION OF COURSES

### AGRICULTURAL EDUCATION

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

403. SUPERVISED PRACTICE RECORDS. (3) *Credit 3.* I or II.

426. OBSERVATION AND PRACTICE TEACHING IN AGRICULTURE. (2-3) *Credit 6.* II.

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

433. NEW FARMERS OF AMERICA. (3-0) *Credit 3.* I or II. The New Farmers of America, the national organization of Negro boys studying vocational agriculture.

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



## AGRONOMY

313. FIELD CROPS. (2-2) *Credit 3.* I. Field crops of Texas, growing and harvesting with emphasis on importance in balanced farming.

323. SOIL FERTILITY. (2-2) *Credit 3.* II. Principles of soil formation, soil fertility, including the physical, chemical and bacteriological factors affecting crop production and plant nutrients; depletion, maintenance, and methods of permanent agriculture.

412. FORAGE CROPS. (1-2) *Credit 2.* II. Grasses, legumes, and other plants for forage and pasture; silage, soiling and green manures.

423. SOIL CONSERVATION. (2) *Credit 3.* I. Fundamental principles in soil conservation and fertility maintenance; soil-conserving plants and soil building plants in gully control.

## ANIMAL HUSBANDRY

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

213. FARM, POULTRY, INCUBATION AND BROODING. (2-2) *Credit 3.* II. Possible poultry production on individual farms.

313. FEEDS AND FEEDINGS. (2) *Credit 3.* II. Composition and digestibility of feed stuff, physiology, preparation, feeding standards and calculation of rations.

323. COMMERCIAL POULTRY, PLANT, MANAGEMENT. (2-2) *Credit 3.* II. Operating poultry farms; breeding, pedigreeing and operation of fattening plants.

342. FARM MEATS. (1-2) *Credit 2.* I. Methods of killing, cutting, sorting and curing farm meats.

413. HORSES, SWINE, BEEF AND SHEEP PRODUCTION. (2-2.) *Credit 3.* Systematic study of economical methods of producing livestock for the market and for farm use; studies in breeding, feeding, management, and marketing of the major types of livestock.

414. SPECIAL PROBLEMS. (2-4) *Credit 4.* I or II. Open only to students majoring in Animal Industry.

423. INCUBATION AND BREEDING. (2) *Credit 3.* II. Care and operation of both small and mammoth incubators for private or commercial use; study of the modern methods of brooding.

## DAIRYING

223. FARM DAIRYING. (2-2) *Credit 3.* II. A study of the principles of farm dairying; industry, composition, properties of milk, and methods of improving the quality of milk produced.

313. DOMESTIC DAIRYING. (2-2.) *Credit 3.* I or II. Production and use of milk for the home; food value of dairy products, home manufacture of dairy products. Quality of dairy products; home manufacture of milk, butter, cheese, and ice cream.

423. DAIRY MANUFACTURING. (2-2) *Credit 3.* Milk plant operation; manufacturing of butter, ice cream, cheese, milk drinks, powdered milk, and the city ordinances, state laws and Federal standards governing the distribution of milk and its products.

## HORTICULTURE

113. GENERAL FARM GARDENING AND ORCHARDING. (2-2) *Credit 3.* I. Survey of the field and possibilities offered by the general farm garden and orchard; varieties; home gardening and canning.

222. LANDSCAPE GARDENING. (1-2) *Credit 2.* II. Ornamental use and adaption of plants; methods of propagation and lawn maintenance and upkeep with application to home and farm beautification.

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

323. VEGETABLE GARDENING. *Credit 3.* II. Prerequisite Horticulture

113. Principles of successful commercial vegetable gardening in the South.

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

433. PLANT PROPAGATION. (1-4) *Credit 3.* I. Special emphasis to definite methods of propagation in the development of community and home nurseries.

443. FLORICULTURE. (1-4) *Credit 3.* II. Principles of producing flowers for sale; growing of house plants, garden flowers, and the arrangements of cut flowers in the home.

## RURAL EDUCATION

383. PROBLEMS IN COMMUNITY COOPERATION. (3-3) *Credit 3.* II. Coordinating all the agencies in a particular community for developing definite programs of work.

## RURAL ECONOMICS

213. GENERAL AGRICULTURAL ECONOMICS. (3-0) *Credit 3.* I. Application of the economic principles to agricultural activity.

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

342. LEGAL RELATIONS TO THE FARMER. (2-0) *Credit 2. II.* Legal instruments as they affect the farmer; contracts, corporations, partnership, bankruptcy, auctions, wills, deeds, abstracts, insurance, and property rights and damages.

423. MARKETING. (3-0) *Credit 3. II.* Principles underlying the successful agencies; legal rights and obligations arising out of marketing transactions; the middleman; cotton marketing.

#### RURAL ENGINEERING

113. FARM SHOP. (1-4) *Credit 3. I.* Farm work shop methods and iron work.

123. FARM MACHINERY. (1-4) *Credit 3. II.* Care, repair, maintenance and upkeep of farm machinery on the farm.

223. GRAPHIC METHODS. (1-4) *Credit 3. II.* Plotting and charting agricultural statistics; presenting analyses and illustrations of outlook material and experimental data; elementary lettering preparatory to making signs for fair and exhibits, etc.

313. TERRACING. (1-4) *Credit 3. I.* Engineering principles of laying off terraces, plotting contours and the use of the surveyor's instrument and the Bostrum Farm Level.

323. ADVANCE FORAGE WORK. (1-2) *Credit 3. II.* Repair and care of agricultural equipment, sharpening plows, welding, making metal farm devices.

343. FARM BUILDING. (1-2) *Credit 3. II.* Planning, construction and repair of farm buildings and appliances.

#### RURAL HEALTH

123. HEALTH EDUCATION. (2-2) *Credit 3. II.* Principles of healthful living, individually, in the home, the community and the school.

#### RURAL SOCIOLOGY

413. HUMAN RELATIONS. (3-0) *Credit 3. I.* Economic forces as they affect the farming classes; preparation for leadership in general community improvement.

423. HOME APPRECIATION. (3-0) *Credit 3. II.* Social, economic and educational relationships in the home; open to students of Home Economics and Agriculture and to other students with the consent of the instructor.

## SCIENCE

403. GENERAL FORESTRY. (2-2) *Credit 3.* I or II. General principles of the forestry, forest planting, timber utilization, forest influence on the climate and the relation of forestry to agriculture.

412. GENERAL ENTOMOLOGY. (1-2) *Credit 2.* I. Insect morphology, life histories, family characteristics, habits and their agricultural relationships.

413. PLANT PHYSIOLOGY. (2-2) *Credit 3.* I. Principles of absorption, conduction, transpiration, photosynthesis, respiration, growth, movement and reproduction.

422. ECONOMIC ENTOMOLOGY. (1-2) *Credit 2.* II. Insects beneficial and harmful to cultivated plants with recommended controls.

423. PLANT PATHOLOGY. (2-2) *Credit 3.* II. Common diseases of important plants of Texas with control measures.

## VETERINARY SCIENCE

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

313. ANATOMY AND PHYSIOLOGY. (2-2) *Credit 3.* I. A continuation of Veterinary Science 223.

## DIVISION OF ARTS AND SCIENCES

### COLLEGE OF LIBERAL ARTS

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

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.

Every student in the Division of Arts and Sciences is required to spend six supervised clock hours per week throughout each year of residence in the long session, or the equivalent thereof in some form of vocational training not counted toward graduation in any course of study. This requirement is commonly referred to as "Industry."

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

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

All freshmen and sophomore students of the Divisions of Arts and Sciences, unless specifically excused by the Registrar before registration or the Director of Arts and Sciences Division 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.

#### DIVISIONAL REQUIREMENTS FOR GRADUATION

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

Courses	Semester Hours
ENGLISH .....	12
FOREIGN LANGUAGE .....	6
SOCIAL SCIENCE .....	6
NATURAL SCIENCE .....	12
MATHEMATICS .....	6
PHYSICAL EDUCATION (excluding Practice Courses).....	6
AMERICAN GOVERNMENT .....	6
NEGRO HISTORY .....	3
*RURAL STUDIES .....	3
INDUSTRY .....	7

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.

\* Rural Education or Sociology 233.

### MAJOR AND MINOR REQUIREMENTS

After the completion of the sophomore year every student in the Division 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 Arts and Sciences Division 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 the major and minor must be done in residence. 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.—Persons selecting Secondary Education as a major field of concentration 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 ARTS AND SCIENCES DIVISION

### FRESHMAN YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Education 103 .....	3	Education 113 .....	3
General Orientation		Introduction to Education	
English 113 .....	3	English 123 .....	3
Grammar and Composition		Reading and Composition	
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).....	1	Military Science 121 (Men).....	1
Military Science, Basic		Military Science, Basic	
Physical Education 111 (Women).....		Physical Education 121 (Women).....	
Freshman Practice		Freshman Practice	
	16 or 17		16 or 17

### SOPHOMORE YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
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 the 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
Military Science, Basic		Military Science, Basic	
Physical Education 211 (Women).....		Physical Education 211 (Women).....	
Sophomore Practice		Sophomore Practice	
	16		16

### JUNIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Foreign Language 213 .....	3	Foreign Language 223 .....	3
(French or Spanish) Reading and Grammar		Reading and Grammar	
English 213 .....	3	English 223 .....	3
Public Speaking		World Literature	
Physical Education (Theory) .....	3	Physical Education (Theory) .....	3
Electives (or Major) .....	3	Electives (or Major) .....	3
Military Science 313 .....	3	Military Science 323 .....	3
Military Science, Advanced		Military Science, Advanced	
	15		15

## SENIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>
History 463 .....	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 Major and Minor Work) 9	
Military Science 413 and 423 .....	6
Military Science, Advanced	
	—
	30

THE DEPARTMENT OF ECONOMICS AND  
BUSINESS ADMINISTRATION

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

For a major in Economics and/or Business Education, thirty semester hours are required including Principles of Economics, Consumer's Economics, Economic Theory, Business Organization and Labor Problems. For a minor, students are required to present eighteen semester hours in selected course offerings in consultation with the Chairman of the Department.

Each student who majors in Business Administration is required to show a proficiency in the skills by acquiring a minimum speed of 80 words per minute in shorthand and a minimum of 40 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 apprentice in education must be met.

SUGGESTED PROGRAM—MAJOR IN BUSINESS  
ADMINISTRATION

## FRESHMAN YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Social Science 113 .....	3	Social Science 123 .....	3
Introduction to Social Science		Introduction to Social Science	
English 113 .....	3	Education 113 .....	3
Grammar Composition		Introduction to Education	
Mathematics 113 .....	3	Mathematics 183 .....	3
College Algebra		Elements of Applied Mathematics	
Education 103 .....	3	English 123 .....	3
Orientation		Reading and Composition	
Bus. Adm. 133 .....	3	Business Administration 153 .....	3
Typing		Elementary Shorthand	
Military Science 111 .....	1	Military Science 121 .....	1
Basic		Basic	
Physical Education 111 .....	1	Physical Education 121 .....	1
Freshman Practice		Freshman Practice	
Industry .....		Industry .....	
	—		—
	15 or 16		15 or 16



## SOPHOMORE YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Foreign Language 113 .....	3	Foreign Language 123 .....	3
Elementary French or Elementary Spanish		Elementary French or Elementary Spanish	
English 213 .....	3	English 223 .....	3
Public Speaking		World Literature	
Economics 213 .....	3	Economics 223 .....	3
Principles of Economics		Principles of Economics	
Natural Science 113 .....	3	Natural Science 123 .....	3
College Science		College Science	
Bus. Adm. 253 .....	3	Bus. Adm. 263 .....	3
Elementary Principles and Practices of Accounting		Elementary Principles and Practices of Accounting	
Military Science 211 .....	1	Military Science 221 .....	1
Basic		Basic	
Physical Ed. 211 (Practice).....		Physical Education 221 (Practice)....	
Industry .....		Industry .....	

15 or 16

15 or 16

## JUNIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
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. 273 .....	3	Bus. Adm. 313 .....	3
Filing and Record Keeping		Business Ethics and Personality	
Bus. Adm. 343 .....	3	Bus. Adm. 283 .....	3
Personnel Management		Secretarial Practices	
Education 353 .....	3	Poli. Sci. 203 or Education 223 .....	3
Adolescent Psychology		American State Government or Problems of the Rural Teacher	
Pol. Sci. 263 or Phys. Ed. Theory .....	3	Physical Education (Theory) .....	3
National Government or Introduction to Phys. Ed.		Playground and Community Recreation	
Industry (Office Practice) .....	—	Industry (Office Practice) .....	—
	15		15

## SENIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Bus. Adm. 363 .....	3	Bus. Adm. 463 .....	3
Salesmanship		Business Law	
History 463 .....	3	Economics 493 .....	3
History of the Negro in America		Post-War Economic Policies	
Bus. Adm. 473 .....	3	Elective .....	3
Occupational Guidance		Practice Teaching .....	6
Practice Teaching .....	6	Industry (Office Practice) .....	—
Industry (Office Practice) .....	—		15
	15		15

## BUSINESS ADMINISTRATION

## TWO YEAR COURSE—SECRETARIAL ACTIVITIES

## FIRST YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 113 .....	3	English 123 .....	3
Grammar Composition		Reading and Composition	
Education 103 .....	3	Mathematics 173 .....	3
Orientation		Elements of Applied Mathematics	
Mathematics 113 .....	3	Education 113 .....	3
College Algebra		Introduction to Education	
Social Science 113 .....	3	Social Science 123 .....	3
Introduction to Social Science		Introduction to Social Science	
Bus. Adm. 133 .....	3	Bus. Adm. 153 .....	3
Elementary Typing		Elementary Shorthand	
Military Science 111 .....	1	Military Science 121 .....	1
Basic		Basic	
Physical Education 111 .....		Physical Education 121 .....	
Freshman Practice		Freshman Practice	
Industry .....		Industry .....	

15 or 16

15 or 16

## SECOND YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Bus. Adm. 163	3	Economics 223	3
Advanced Shorthand		Principles of Economics	
Economics 213	3	Bus. Adm. 263	3
Principles of Economics		Accounting	
Bus. Adm. 253	3	Bus. Adm. 273	3
Accounting		Filing and Record Keeping	
Bus. Adm. 283	3	Economics 183	3
Secretarial Practice		Economic Geography	
Bus. Adm. 243	3	Bus. Adm. 313	3
Introduction to Business		Business Ethics and Personality	
Military Science 211	1	Military Science 221	1
Basic		Basic	
Physical Education 211		Physical Education 221	
Sophomore Practice		Sophomore Practice	
Industry		Industry	
	<hr/> 15 or 16		<hr/> 15 or 16

## SUGGESTED PROGRAM FOR ECONOMICS MAJORS

## FRESHMAN YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
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	
Mathematics 113	3	Mathematics 183	3
College Algebra		Elements of Applied Mathematics	
Education 103	3	Natural Science 113	3
Orientation		College Science	
Economics 173	3	Economics 183	3
Economic Geography		Economic Geography	
Military Science 111	1	Military Science 121	1
Basic		Basic	
Physical Education 111		Physical Education 121	
Freshman Practice		Freshman Practice	
Industry		Industry	
	<hr/> 15 or 16		<hr/> 15 or 16

## SOPHOMORE YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
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	
Political Science 2X3	3	Natural Science 123	3
Political Science		College Science	
Bus. Adm. 253	3	Education 223	3
Accounting		Problems of the Rural Teacher	
Military Science 211	1	Military Science 221	1
Basic		Basic	
Physical Education 211		Physical Education 221	
Sophomore Practice		Sophomore Practice	
Industry		Industry	
	<hr/> 15 or 16		<hr/> 15 or 16

## JUNIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
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	Bus. Adm. 313	3
Economics of Consumption		Business Ethics and Personality	
Elective	3	Economics 333	3
Bus. Adm. 473-3	3	Economic History	
Occupational Guidance		Physical Education (Theory)	3
Physical Education		Introduction to Physical Ed.	
Industry		Industry	
	15		15

## SENIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Economics 453	3	Economics 493	3
Labor Problems		Post-War Economic Policies	
History 463	3	Elective	3
History of the Negro in America		*Practice Teaching	6
Bus. Adm. 363	3	Bus. Adm. 463	3
Salesmanship		Business Law	
Bus. Adm. 473	3	Industry	
Occupational Guidance			
Elective	3		15
Industry			
	15		

\* Practice Teaching may be taken either semester.

## 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.

133. ELEMENTARY TYPING. (0-5) *Credit 3.* I. Develop the sense of touch, master the ordinary vocabulary and proper techniques in the operation of all mechanical parts of the machine.

143. ADVANCE TYPING. (0-5) *Credit 3.* II. Emphasis upon speed, accuracy, letter writing, business forms, tabulations and manuscript writing.

153. ELEMENTARY SHORTHAND. (3-0) *Credit 3.* I. Thorough knowledge of the fundamental principles of Gregg Shorthand.

163. ADVANCE SHORTHAND. (3-0) *Credit 3.* II. Prerequisite: B.A. 153. Emphasis on dictation and transcription.

253-263. ACCOUNTING. (2-1) *Credit 3.* 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.

283. SECRETARIAL PRACTICE. (3-0) *Credit 3.* I. Correlation of business skills with other duties of a secretary. Prerequisites: B.A. 133, 153.

313. BUSINESS ETHICS AND PERSONALITY. (3-0) *Credit 3. I.* Modern approaches to the static and dynamic organization and development of the personality.

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.

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.

496. 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, dealing with the 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.

403. ECONOMIC HISTORY OF THE SOUTH AND SOUTHWEST. (1-3) *Credit 2. II.* Analysis of agricultural, industrial and resource development in the South and Southwest.

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

453. LABOR PROBLEMS. (3-0) *Credit 3. II.* The evolution of management-union agreements since the turn of the Twentieth Century.

493. POST-WAR ECONOMIC POLICIES. (3-0) *Credit 3.* Full employment, investment, foreign trade and finance, price control and fiscal policies.

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

## DEPARTMENT OF EDUCATION

### MAJOR REQUIREMENTS

For a major in Education, 30 semester hours of work are required, of which 12 must be in courses numbered above 300 if the major is in elementary education and 15 hours above 300 if the major is in secondary education.

Students wishing to prepare themselves for teaching in the elementary school should select the elementary field for emphasis.

Students wishing to prepare themselves for teaching in the secondary school should select the secondary field for emphasis.

Preparation for teaching in one or more of the usual high school fields, (commercial work, English, History and Social Studies, Mathematics, Natural Sciences) is a necessary part of the program for students who take a major outside of the field of education and it is advisable to have a minor which may be used as a second teaching subject. Experience has shown that many students who prepare to teach in the high school are employed in the elementary school; therefore, every student is advised to take Education 223.

Students who desire elementary certificates should include in their work Music 173 and 183, Nature Study, 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

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 113 .....	3	English 123 .....	3
Grammar Composition .....		Reading and Composition .....	
Education 103 .....	3	Introduction to Education Ed. 113 .....	3
Orientation .....		Mathematics 183 or 123 .....	3
Social Science 113 or (Hist. 113) .....	3	Elements of Applied Mathematics or Trigonometry .....	3
Introduction to the Social Sciences or (Europe 1500-1815) .....		Social Science 123 .....	3
Mathematics 173 or 113 .....	3	Man and Society .....	
Natural Science 113 .....	3	Natural Science 123 .....	3
Phys. Ed. (Women) 111 Freshmen or Military Sci. (Men) 111 Basic .....	1	College Science .....	
Industry .....		Phys. Ed. (Women) 121 Freshman Practice or .....	
		Military Science (Men) 121 Basic .....	1
		Industry .....	
	15 or 16		15 or 16

## SOPHOMORE YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
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	
Music 173	3	Music 183	3
Elementary School Methods		Elementary School Methods	
Art. Ed. 253	3	Art. Ed. 263	3
Elementary School Art		Elementary School Art	
Military Science 211 (Men) Basic or 1	1	Military Science 221 (Men) Basic or 1	1
Phys. Ed. 211 (Women)		Phys. Ed. 221 (Women)	
Sophomore Practice		Sophomore Practice	
	15 or 16		15 or 16

## JUNIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
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 293	3
Economic Geography		Classroom Management	
Education 343	3	Nature Study (Biol. 134)	4
Child Psychology		General Botany	
	15		16

## SENIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>
History 463	3
Negro History	
Education (Including Practice-teaching)	12
Electives	15
	30

## DESCRIPTION OF COURSES

## 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

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

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 source 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 PUBLIC SCHOOL ART. (3-0.) *Credit 3.* II. Prerequisite: 253.

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.

#### GRADUATE COURSES

##### ADMINISTRATION AND SUPERVISION

512-513. VOCATIONAL GUIDANCE. (2-0) or (3-0). *Two or three hours credit.* Open to all graduate students. Surveys required of all students. A study of Vocational Guidance as a means of contributing to major objectives of secondary education. Typical centers, movements, and programs as now carried on. Readings and reports.

533. HIGH SCHOOL ADMINISTRATION AND SUPERVISION. (3-0.) *Credit 3.* For fuller description see current undergraduate catalog, Education 393.

543. AUDIO-VISUAL EDUCATION. (3-0.) *Credit 3.* I or II. Approved principles and methods of Audio-Visual Education; demonstration of the use of Audio-Visual aids to teaching; operation and care of types of equipment; and student preparation and presentation of visual materials. Laboratory periods to be arranged.

713. FUNDAMENTALS OF SCHOOL ADMINISTRATION. (3-0.) *Credit 3.* Open to graduate students who are appointed to positions as principals, or supervisors, or who have consent of Director. A brief survey of the history, principles, and practices in school administration followed by a more intensive study of problems (general and specific) involved in school administration.

733. ADMINISTRATION OF THE ELEMENTARY SCHOOL. (3-0.) *Credit 3.* A consideration of the relationship of administration to the program of the elementary school. Planning together and extending the democratic vision of, and participation in, the elementary school.

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. Deals with the principals of curriculum construction in elementary and secondary education; investigate the sources of curriculum materials and methods of evaluation. A study or investigation of some aspect 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. Deals with the 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.

#### ELEMENTARY EDUCATION

633. READING IN THE ELEMENTARY SCHOOL. (3-0.) *Credit 3.* Discussion, research, and observation relative to needs and development of reading power as children make use of reading to solve problems and to enrich experiences.

563. ARTS AND CRAFTS IN THE PUBLIC SCHOOL. (3-0.) *Credit 3.* Opportunities are provided for creative work with materials suitable for the elementary school curriculum.

663. SPECIAL PROJECTS IN PUBLIC SCHOOL ART. (3-0.) *Credit 3.* Advanced individual problems or projects in graphic, plastic, or structural arts.

743. PROBLEMS OF THE ELEMENTARY TEACHER. (3-0.) *Credit 3.* Open to undergraduates who are teachers in service and to graduate stu-



dents. 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.* Designed for those interested in guiding and directing children of elementary school age in reading and in oral and written composition; diagnosis and remedial work in reading.

782. MODERN PRACTICES IN ELEMENTARY EDUCATION. (3-0.) *Credit 3.* For in-service teachers.

792. DIAGNOSIS AND REMEDIAL TREATMENT OF ELEMENTARY SCHOOL SUBJECTS. (2-0.) *Credit 2.*

#### SECONDARY EDUCATION

503. PRINCIPLES OF SECONDARY EDUCATION. (3-0.) *Credit 3.* See Education 313. Graduate Students will be required to develop term papers and give special reports. Prerequisite: Education 113, 333.

#### HISTORY OF EDUCATION

703. MODERN EDUCATIONAL TENDENCIES. (3-0.) *Credit 3.* Current educational doctrines and controversies; fundamental problems in the field of education considered with a view to the development of an integrated outlook.

713. PUBLIC EDUCATION IN THE UNITED STATES. (3-0.) *Credit 3.* Development of American educational Institutions since 1890 as conditioned by social, political and economic changes in American society.

723. SPECIAL PROBLEMS OF RURAL SCHOOLS. (3-0.) *Credit 3.*

#### RURAL EDUCATION

713. RURAL SCHOOL AND COMMUNITY RELATIONS. (3-0.) *Credit 3.* Purpose of the course: To consider the 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 in the rural environment and methods for their provision are treated from the standpoint of the whole child and community as a whole. The community-centered school philosophy is emphasized throughout the course.

### DEPARTMENT OF ENGLISH

#### MAJOR REQUIREMENTS

For a Major in English, thirty semester hours, in addition to English 463, The Teaching of English, which is counted as Education, are necessary.

English 113, 123—Composition .....	6 hours
English 213—Public Speaking .....	3 hours
English 223—World Literature .....	3 hours
English 323—Victorian Literature .....	3 hours
English 353—English Language .....	3 hours
English 363—American Literature .....	3 hours
English 333—Romantic Movement	
or	
English 412, 422—The Novel .....	3 hours
English 303—Journalism .....	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 283—Major Problems .....	3 hours
English 353—English Language .....	3 hours
English 363—American Literature .....	3 hours
English 303—Journalism .....	3 hours

SUGGESTED FOUR-YEAR PROGRAM FOR A MAJOR IN ENGLISH

FRESHMAN YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 113 .....	3	English 123 .....	3
Grammar Composition .....		Reading and Composition .....	
Education 103 .....	3	Education 113 .....	3
Orientation .....		Introduction to Education and .....	
Natural Science 113 .....	3	Teaching .....	
College Science .....		Mathematics 123 .....	3
Social Science 113 .....	3	Trigonometry .....	
Introduction to Social Science .....		Social Science 123 .....	3
Mathematics 173 or 113 .....	3	Introduction to Social Science .....	
Elements of Applied Mathematics or .....		Natural Science 123 .....	3
College Algebra .....		College Science .....	
Physical Education (Women) 111 .....		Phys. Ed. 121 (Women) .....	
Freshman Practice .....		Freshman Practice .....	
Military Science (Men) 111 .....	1	Military Science (Men) 121 .....	1
Basic .....		Basic .....	
	15 or 16		16

SOPHOMORE YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Foreign Language 113 .....	3	Foreign Language 123 .....	3
Elementary French or .....		Elementary French or .....	
Elementary Spanish .....		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 .....	
Physical Education (Theory) 223 .....	3	and Materials .....	
Introduction to Physical Ed. .....		English 223 .....	3
Phys. Ed. Practice 211 (Women) .....		World Literature .....	
Sophomore Practice .....		Physical Ed. Practice 221 (Women) .....	
Military Science (Men) 211 .....	1	Sophomore Practice .....	
Basic .....		Military Science (Men) 221 .....	1
English 213 .....	3	Basic .....	
Public Speaking .....		Minor .....	3
Industry .....		Industry .....	
	15 or 16		15 or 16

## JUNIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Foreign Language 213 .....	3	Foreign Language 223 .....	3
Advanced Grammar and Reading		Reading and Grammar Review	
English 213 (Public Speaking) .....	3	(French) Advanced Grammar and	
English 353 .....	3	Reading (Spanish) .....	3
The English Language .....	6	English 363 .....	3
Minor .....	15	American Literature .....	3
		English 323 .....	3
		Victorian Literature .....	3
		English 223 .....	3
		World Literature .....	3
		Minor .....	3
			15

## SENIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 303 .....	3	English 423 .....	3
Journalism .....		Shakespeare .....	3
English 463 .....	3	Education 383 .....	6
Teaching of English .....		Education Psychology .....	3
History 413 .....	3	Education 406 .....	3
History of the Negro in America .....	3	Practice Teaching .....	3
English 333 .....	3	Minor .....	3
Romantic Movement .....	3		15
Minor .....	15		

## DESCRIPTION OF COURSES

## ENGLISH

103. TRADE ENGLISH. (3-0.) *Credit 3.* I. Principles of Effective Business Correspondence.

143. TRADE ENGLISH. (3-0.) *Credit 3.* II. Continuation of 103; 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 speech situations as platform presentation, public discussion, Club meeting, and interview; fundamental aspects of speech.

223. WORLD LITERATURE. (3-0.) *Credit 3.* I and II. Reading of best known masterpieces; classical mythology; major cycles as Arthurian legend, Niebelungenlied, Chanson de Roland; and the great authors of many nations. Prerequisite, English 213.

283. MAJOR PROBLEMS. (3-0.) *Credit 3.* II. Problems of teaching English in Public Schools and children's literature.

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

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

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

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 Seniors and graduate students preparing for English Proficiency.

403. ARGUMENTATION AND DEBATING. (3-0.) *Credit 3.* II. Discussion and debate methodology with emphasis on authorities, tests of evidence and reasoning; steady regimen of practice in debate. Prerequisite English 213.

412. ENGLISH NOVEL. (2-0.) *Credit 2.* I. Relations between literature and social conditions revealed in novel of England.

423. ENGLISH NOVEL. (2-0.) *Credit 2.* II. Continuation of 412, its prerequisite. Especially designed for majors and minors.

463. TEACHING OF ENGLISH. (3-0.) *Credit 3.* II. Methods and materials in teaching of English in junior and senior high schools; limited opportunity given for observation and practice teaching. Credit recorded as work in Education. Prerequisite: Eighteen hours of English.

#### GRADUATE COURSES

523. TEACHING OF ENGLISH. (3-0.) *Credit II.* Described above.

533. NINETEENTH CENTURY PROSE. (3-0.) *Credit 3.* Study of ideas, political and social conditions as revealed in writings of chief representatives of period.

582, 592. THE ENGLISH NOVEL. (2-0.) *Credit 2.* I and II. Described above.

713, 723. OLD ENGLISH. (3-0.) *Credit 3.* I and II. Readings in the language.

733, 743. SPEECH ARTS. (3-0.) *Credit 3.* I and II. Practical work in speech construction, platform delivery, parliamentary procedure, and play production. Student should allow not less than three dollars for the purchase of practice materials.

772, 782. NEGRO LITERATURE. (2-0.) *Credit 2.* Works of Negro writers of prose, poetry, and drama from colonial slavery to present, their interpretations of Negro people; sociological implications and influence on American life and literature. Prerequisite: American Literature.

802. BIBLIOGRAPHY AND METHODS OF RESEARCH. (2-0.) *Credit 2.* Exercises in minor research projects.

812, 822. LITERARY CRITICISM. (2-0.) *Credit 2.* Selected critical writings of importance in the history of criticism from Plato to present.

## 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: French 123.

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. MOLIÈRE. (3-0.) *Credit 3. I or II.* Representative work of Molière. 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 the two fields as herein indicated, the exact nature of the 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

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Education 103 .....	3	English 123 .....	3
Orientation .....		Reading and Composition .....	
English 113 .....	3	Mathematics 183 or 123 .....	3
Grammar Composition .....		Elements of Applied Math. or	
Mathematics 173 or 113 .....	3	Trigonometry .....	
Elements of Applied Mathematics		Education 113 .....	3
or College Algebra .....		Introduction to Education and	
History 113 .....	3	to Teaching .....	
Europe 1500-1815 .....		History 123 .....	3
Natural Science 113 .....	3	Europe 1815-1914 .....	
College Science .....		Natural Science 123 .....	3
Physical Education (Women) 111		College Science .....	
Freshman Practice .....		Physical Education (Women) 121	
Military Science (Men) 111 .....	1	Freshman Practice .....	
Basic .....		Military Science (Men) 121 .....	1
Industry .....		Basic .....	
		Industry .....	
	<hr/> 15 or 16		<hr/> 15 or 16

## SOPHOMORE YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
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
National Government		American State Government	
History 213	3	History 323	3
The United States		The New South, 1856 to the Present	
History 313	3	History 363	3
Sectionalism and the Civil War		A Survey of the Critical Attitude and Tools of Scientific History	
Military Science (Men) 211	1	Military Science (Men) 221	1
Basic		Basic or	
Physical Ed. Practice 211 (Women)		Physical Ed. Practice 221 (Women)	
Sophomore Practice		Sophomore Practice	
Industry		Industry	
	15 or 16		15 or 16

## JUNIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
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)	
English 213	3	English 223	3
Public Speaking		World Literature	
Physical Ed. Theory 313	3	Physical Ed. Theory (323)	3
History and Principles of Phys. Ed.		Methods in Physical Ed.	
History 303	3	History 353	3
England, 1485 to the Present		Europe, 1914 to the Present	
History 313	3	History 323	3
Sectionalism and the Civil War		The New South, 1856 to the Present	
Military Science 303 (Men)		Military Science 323 (Men)	
Advanced		Advanced	
Industry 150		Industry 160	
	15		15

## SENIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
History 463	3	History 402	3
History of Negro		Historical Investigative Paper	
Education (Including Practice Teach- ing)	12	History 372	3
Military Science 413	3	Problems in Latin-American History	
Advanced		Electives	
	15	Military Science 423	3
		Advanced	
			15

## PROGRAM FOR HISTORY AND POLITICAL SCIENCE MAJOR

## FRESHMAN YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Education 103	3	Education 113	3
Orientation		Introduction to Ed. and Teaching	
English 113	3	English 123	3
Grammar Composition		Reading and Composition	
Mathematics 173 or 113	3	Mathematics 183 or 123	3
Elements of Applied Math. or College Algebra		Elements of applied Math. or Trigonometry	
History 113	3	History 123	3
Europe 1500-1815		Europe 1815-1914	
Natural Science 113	3	Natural Science 123	3
College Science		College Science	
Military Science 111 (Men)	1	Military Science 121 (Men)	1
Basic		Basic	
Physical Ed. Practice 111 (Women)		or Physical Ed. Practice 121 (Women)	
Freshman Practice		Freshman Practice	
Industry			
	15 or 16		15 or 16

SOPHOMORE YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
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 Rural Sociology		Elementary School Methods	
Political Science 263	3	Political Science 203	3
National Government		State Government	
History 213	3	Political Science 213	3
The United States		Political Parties	
Elective	3	History 223	3
Military Science 211 (Men)	1	The United States	
Physical Education (Women)		Military Science 221 (Men)	1
Practice		Physical Education (Women)	
Industry		Practice	
		Industry	
	15 or 16		15 or 16

JUNIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Foreign Language 213	3	Foreign Language 223	3
Advanced Grammar & Reading		Advanced Grammar and Reading	
English 213	3	English 223	3
Public Speaking		World Literature	
Physical Education Theory	3	Physical Education Theory	3
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		Military Science 323	
Industry		Industry	
	15		15

SENIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
History 463	3	History 453	3
Negro History		Contemporary United States	
Education (Including Practice Teaching)	12	Political Science 463	3
Military Science 413		Seminar in International Organizations	
	15	Electives (Including History 403)	9
		Military Science 423	
		Industry	
			15

DESCRIPTION OF COURSES

HISTORY

*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.)

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. Discussion, 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 1. American Development from the period of discovery to the close of the Jackson Presidency. (Lectures, discussions, special map and written reports; offered first semester yearly. Sophomore standing. Required of all majors and minors.)*

223. THE UNITED STATES, 1837-1898. (3-0.) *Credit 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. Prerequisites: 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 reports. 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.

422 or 602. 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.

372 or 622. 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*

413. HISTORY OF THE NEGRO IN AMERICA. (3-0.) *Credit 3. I or II.* African background, Slavery, Freedom and Freeman; minority techniques in and 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.

## HISTORY

## GRADUATE COURSES

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. For the present, Sociology 563 is the Research course required in the department of sociology. 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.

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

502 or 503. **MEDIEVAL EUROPE.** (2-0) or (3-0). *Credit 2 or 3.* History of Europe from the fall of Rome to 1500; the shift from Mediterranean to European civilization; the Feudal Age, Political and Intellectual; and the Dawn of Modern Civilization resulting from the Renaissance. Lectures, Special Reports, Selected Readings. Open on demand; consent of Instructor.

512 or 513. **EUROPE.** 1500-1800. (2-0) or (3-0). *Credit 2 or 3. I.* European development from the Protestant Reformation to the Congress of Vienna; the Reformation; Catholic Protestant clash in Religion; and the new Nationalism, Monarchical Absolutism in France, England, and Colonial areas—an instrument of the Bourgeoise; and Revolution, Democracy and Reaction, the Legacy of the enlightenment. Lectures, quiz sections, special reports. Required of Majors and Minors, offered every year.

522 or 523. **EUROPE, 1815-1914.** (2-0) or (3-0). *Credit 2 or 3. II.* European development from Napoleon's fall to World War I; Metternichism and Liberalism 1815-1848; Growth of Nationalism 1849-1871; the Expansion of European Civilization of the World 1871-1914; and Gotterdamerung. Lectures, quiz sections, special reports. Required of Majors and Minors. Offered every year.

532 or 533 and 542 or 543. **ENGLAND, 1485 TO THE PRESENT.** (2-0) or (3-0). *Credit 2 or 3. I.* The 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.

552 or 553. **EUROPE, 1914 TO THE PRESENT.** (2-0) or (3-0). *Credit 2 or 3. I.* 20th Century European development in its World setting; World War I; the War itself; the Versailles settlement and Post War efforts at Political, Economic and Social Security, collectively and Nationally; democracy and totalitarianism; Global War and the Atomic Age. Lectures, discussions, special reports. Offered in odd years.

### II. American History

612 or 613. **THE UNITED STATES, 1492-1837.** (3-0) or (2-0). *Credit 2 or 3. I.* First phase of American development; the Transplantation and altering of European culture in Colonial America; the American Revolution and the Constitution; Democratic Growth in the young Republic; clash of Jeffersonian and Hamiltonian ideals; and the Politico-Socio-economic origins of the conflict between the Sections which produced National Crisis. Lectures, discussions, special reports.

602 or 623. **THE UNITED STATES, 1837-1898.** (2-0) or (3-0). *Credit 2 or 3. II.* Burgeoise Revolution and the rise of Group Democracy in American development; rise of the Common Man; Slavery and

Abolition; "Popular Sovereignty" the Last Formula; the Irrepressible conflict; Reconstruction and the New Nation; and Industrial Capitalism and its problems. Lectures, discussions, selected readings, special reports.

622 or 633 and 642 or 643. AMERICAN FOREIGN RELATIONS, 1775 TO THE PRESENT. (2-0) or (3-0). *Credit 2 or 3.* I and II. 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. May be taken as Political Science 533 and 543.

653. CONTEMPORARY UNITED STATES HISTORY, 1898 TO THE PRESENT. (3-0) or (2-0). *Credit 2 or 3.* 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 the American Leadership in the "United Nations." Lectures, Discussions, special reports.

662 or 663. ECONOMIC HISTORY OF THE UNITED STATES. (2-0) or (3-0). *Credit 2 or 3.* I. Historical review of the development of agriculture, commerce, industry, and business from colonial times to the present. Analysis of social and economic forces in American society with attention to various mass movements. Industrialization of the country and the necessity for governmental regulation. Historical interpretation of trade unions, employer's associations, cooperatives.

672 or 673. ECONOMIC HISTORY OF THE SOUTH. (2-0) or (3-0). *Credit 2 or 3.* II. Research and discussion course designed to analyze the agricultural and industrial development of the South with special attention to the industrialization of the Southwest. Field trips, contact with state Historical Societies to obtain documents, and preparation for the writing and publication of materials.

682 or 683. SECTIONALISM AND THE CIVIL WAR, 1700-1865. (3-0) or (2-0). *Credit 2 or 3.* I. Regional Hypothesis and Socio-economic Regionalism; Government, Politics and the Regional Compromise in the Middle Period; Ideas in Embroglio—Issues and Men; Reconstruction and the New Nation. Lectures, Discussions, Special reports.

692 or 693. THE NEW SOUTH, 1865 TO THE PRESENT. (2-0) or (3-0). *Credit 2 or 3.* II. Concentration is placed on the Relation of the South to National development since 1860. The Death of the Old South; Reconstruction and the New Nation; the "Dew 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

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.

732 or 733. HISTORY OF THE FAR EAST. (2-0) or (3-0). *Credit 2 or 3.* Political institutions of China, Japan and other Far Eastern Countries.

602. WESTERN AMERICAN HISTORY. (2-0.) *Credit 2. 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.

622. PROBLEMS IN LATIN-AMERICAN HISTORY. (2-0.) *Credit 2. 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.

### POLITICAL SCIENCE

Social Science majors concentration 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 Suggested Four Year Program

#### FRESHMAN YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Education 103 .....	3	English 123 .....	3
(Orientation) .....		Reading and Composition .....	3
English 113 .....	3	Education 113 .....	3
Grammar Composition .....		Introduction to Education .....	
History 113 .....	3	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 Mathematics .....	
Elements of Applied Math. or .....		or Trigonometry .....	
College Algebra .....		Natural Science 123 .....	3
Military Science 111 (Men) .....	1	College Science .....	
Basic or .....		Military Science 121 (Men) .....	1
Physical Ed. Practice 111 (Women) .....		Basic or .....	
Freshman Practice .....		Physical Ed. Practice 121 (Women) .....	
Industry 110 .....		Industry 120 .....	

15 or 16

15 or 16

## SOPHOMORE YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Foreign Language	3	Foreign Language	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
Basic or		Basic or	
Physical Ed. Practice 231 (Women)		Physical Ed. Practice 221 (Women)	
Industry 130		Industry 140	
	<hr/>		<hr/>
	15 or 16		15 or 16

## JUNIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Foreign Language	3	Foreign Language	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 313	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 Administration (Pol. Sci. 323)	
Military Science 313		Military Science 323	
Advanced		Advanced	
Industry 150		Industry 160	
	<hr/>		<hr/>
	15		15

## SENIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Negro History 463	3	Political Science 432	3
Education (Including Practice Teaching)	12	American Foreign Relations	
	<hr/>	Political Science 403	4
	15	Seminar in International Organizations	
		Political Science 453	3
		Seminar in Problems of Imperialism	
			<hr/>
			10

## 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 pre-requisite 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 ELECTORIAL PRACTICES. (3-0.) *Credit 3. I.* The organization and work of political parties, the control and conduct of elections, public opinion, and propoganda 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 Governments*

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. (2-0.) *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 the 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 material; investigation and reports on special research problems. Required of all majors in 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 states 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.* For beginning Philosophy student; methods and theories of the field. Prerequisites: Sophomore standing.

363. INTRODUCTION TO LOGIC. (3-.) *Credit 3. I or II.* Methods of reasoning; Problem-solving and evaluations. Useful to Government and pre-law students. 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.

423. CURRENT ETHICAL PROBLEMS. (3-0.) *Credit 3. II.* Seminar—Modern individual social and institutional problems of conduct in their local and universal setting. Prerequisites: Junior standing and above.

## POLITICAL SCIENCE

## GRADUATE COURSES

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.

Majors in Political Science are required to select courses from at least four of 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 or Political Science.

## I. American Government

513. AMERICAN NATIONAL GOVERNMENT. (3-0.) *Credit 3. I or II.* American National Government and the American system of Government, paying special attention to the Federal system and the relationship of the states to the National Government.

523. AMERICAN STATE GOVERNMENT. (3-0.) *Credit 3. I or II.* American State Government with emphasis on the Government of Texas and responsible citizenship. Required of all students seeking teachers certificates in the State of Texas. The course will involve, among other things, visits to the State Legislature when the Legislature is in session and the various State Administrative Agencies.

## II. Political Parties

722 or 723. SEMINAR IN POLITICAL PARTIES AND ELECTION PROBLEMS. (2-0) or (3-0). *Credit 2 or 3. II.* Selected election problems in

the Southwest paying particular attention to Negro suffrage and voting participation in Texas.

### III. Foreign Government

502 or 503. SEMINAR IN INTERNATIONAL ORGANIZATION. (2-0) or (3-0). *Credit 2 or 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.

732 or 733. SEMINAR IN GOVERNMENTS AND POLITICS OF THE FAR EAST. (3-0) or (2-0). *Credit 2 or 3.* I or II. Political institutions of China, Japan and other Far Eastern Countries.

### IV. Methodology and Theory

702 or 703. SEMINAR IN POLITICAL THEORY. (3-0) or (2-0). *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.* A survey of bibliographies, studies in the use of public documents and other source 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

562. SOCIAL LEGISLATION. (2-0.) *Credit 2.* Federal and State laws and administration of these laws to meet the needs of the people and to achieve some degree of social security.

633 and 603. 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.

542 or 563. SEMINAR IN PUBLIC ADMINISTRATION. (3-0) or (2-0). *Credit 2 or 3.* II. An analysis of the American administrative system and the common problems underlying all 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.

## LIBRARY SCIENCE

The steady growth of school libraries has brought with it a corresponding need for trained school librarians—librarians who have made adequate preparation for intelligent and effective participation with faculties for dealing with the problems of curriculum, of teaching, and of the work of the school as a whole. To meet this need, courses in the school library service are coordinated with the curricula for the education and training of teachers as an integral part

of the work of the Division of Arts and Sciences. Students who complete the required courses are qualified for positions as teacher-librarians. A minimum of twelve semester hours are required for a minor in library science. No major is offered.

### LIBRARY SCIENCE COURSES

#### LIBRARY SERVICE

313. ADMINISTRATION. (3-0.) *Credit 3.* I. Organization and supervision, arrangement of library quarters, circulation work, scheduling, library-community-state relationships, general standards.

333. BOOK SELECTION. (3-0.) *Credit 3.* I. Book selection criteria and aids, readings; verbal and written annotations, book reviews required.

343. REFERENCE. (3-0.) *Credit 3.* II. Investigation of reference work and the reference method; consideration of types of reference materials and techniques of reference service.

353. CATALOGUING AND CLASSIFICATION. (3-0.) *Credit 3.* I. Investigation of simple methods, procedures, and devices used in organizing library materials.

363. SCHOOL LIBRARY PROBLEMS. (3-0.) *Credit 3.* II. School library functions through study of school organizations, objectives and programs; sources, uses, types of materials required; library relationships: principal, faculty, students, community-at-large.

383. LIBRARY SERVICE FOR YOUNG PEOPLE. (3-0.) *Credit 3.* II. Service practices for children and adolescents; history of young people's literature; survey of books by age, psychological and social levels.

## 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

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
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 .....		College Algebra .....	
Physical Education (Women) 111 or .....		Physical Education 121 (Women) or .....	
Military Science 111 (Men) .....	1	Military Science (Men) 121 .....	1
Basic .....		Basic .....	
Industry .....		Industry .....	

15 or 16

15 or 16

## SOPHOMORE YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Mathematics 213	3	Mathematics	3
Analytical Geometry		Political Science 203	3
Political Science 263	3	American State Government	
American National Government		Foreign Language 123	3
Foreign Language 113	3	Elementary French or	
Elementary French or		Elementary Spanish	
Elementary Spanish		Education 233	3
Rural Education 223	3	Elementary School Methods	
Problems of the Rural Teacher		and Materials	
Physical Education (Theory)	3	Physical Education Prac. 221 (Women)	
Introduction to Physical Ed.		or Military Science (Men) 221	1
Physical Ed. Practice 211 (Women) or		Basic	
Military Science (Men) 211	1	Minor	3
Basic		Industry	
Industry			
	15 or 16		15 or 16

## JUNIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Foreign Language 213	3	Foreign Language 223	3
Reading and Grammar Review		Reading and Grammar Review	
(French) or Advanced Grammar		(French) Advanced Grammar and	
and Reading (Spanish)		Reading (Spanish)	
English 213	3	English 223	3
Public Speaking		World Literature	
Mathematics 313	3	Mathematics 323	3
Integral Calculus		Integral Calculus	
Mathematics 343	3	Mathematics 413	3
Solid Analytical Geometry		Theory of Equations	
Physics (Elective)	3	Physics (Elective)	3
	15		15

## SENIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Education 406 or 306	6	Mathematics	3
Practice Teaching		College Geometry	
Education 313	3	Physical Education Theory	3
Principles of Secondary Education		Philosophy	3
Education (Methods of Teaching		Elective	2
Mathematics)	3		
Elective	2		11
	14		

## DESCRIPTION OF COURSES

## MATHEMATICS

000. MATHEMATICS PLACEMENT TEST. The standardized test in high school algebra for entering freshman.

013. 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.

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.* II. 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 SCHOOL. (3-0.) *Credit 3.* II. See Department of Education for description.

#### GRADUATE COURSES

713. ADVANCED CALCULUS. (3-0.) *Credit 3.* I or II. Differential Equations. Prerequisites: Differential and Integral Calculus.

723. ANALYTICAL MECHANICS. (3-0.) *Credit 3.* I or II. 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.* I or II. Inequalities, theory of probability, summation of series, etc. Prerequisite: College Algebra.

743. STATISTICS. (3-0.) *Credit 3.* I or II. Processes of statistical methods with reference to applications in various fields. Prerequisite: Analytic Geometry.

753. THEORY OF EQUATIONS. (3-0.) *Credit 3.* I or II. Complex numbers, general calculations of the cubic and the biquadratic, and Horner's and Newton's method are some of the topics studied in this course. Prerequisites: Differential and Integral Calculus.

763. DIFFERENTIAL EQUATIONS. (3-0.) *Credit 3.* I or II. Methods of solving type forms and the formulation of practical problems as solutions of differential equations will be the central point of study. Prerequisites: Differential and Integral Calculus.

773. PROJECTIVE GEOMETRY. (3-0.) *Credit 3.* I or II. A study of fundamental forms; harmonic sets, perspectivity and projectivity of forms, duality, involution. Prerequisite: The Calculus.

783. DIFFERENTIAL GEOMETRY. (3-0.) *Credit 3.* I or II. A study of the 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.* I or II. Convergence and divergence of sequences, and series; simple, absolute, and uniform convergence. A few topics on summable series are studied. Prerequisites: Differential and Integral Calculus.

803. NUMERICAL AND LITERAL SOLUTIONS OF EQUATIONS. I or II. 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.

## DEPARTMENT OF MUSIC

### MAJOR REQUIREMENTS

The degree of Bachelor of Arts with a major in music is offered for the completion of 128 semester hours in the prescribed curricula of music theory; piano; organ; violin; 'cello, viola or bass; woodwind and brass instruments; voice; school music; instruments of percussion. The minimum music requirement for the degree is 50 hours.

The degree of Bachelor of Music is offered for the completion of a minimum of 128 semester hours credit in the prescribed curriculum, of which 75 hours 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 for the degree. In cases of definite music purpose and special merit, the degree may be awarded in four years without the previous awarding of the Bachelor of Arts degree.

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 major subjects in each of the remaining years.

In the curriculum of applied music a student must earn a minimum of 30 hours in his chosen major applied subject—voice or instrument.

### MINOR REQUIREMENTS

For a minor in music twenty-four semester hours are required, of which nine must be applied courses. The minor is offered with emphasis on school music, theory, organ, piano, voice and instruments.

### OTHER REQUIREMENTS

All students majoring in music are required to participate in vocal or instrumental organizations.

Majors and minors in school music are required to have at least two hours credit in conducting and four hours credit in orchestral instruments, string or brass, before the senior year.

Majors and minors in school music must be able to meet the department's requirement that they play the piano acceptably before graduation. This requirement must be met regardless of the number of credit hours accumulated.

All students majoring in music are required to have a minimum of six hours in music education.

## BAND MUSIC

The department maintains a military and concert band in cooperation with the Department of Military Science. The maneuvers and activities of the band as a military unit and concert organization are offered.

## ORGANIZATION

The College Chorus, Mixed Glee Club, Male Chorus, Women's Glee Club, Concert Choir, Quartets, Orchestras, Band and other vocal and instrumental ensembles offer excellent opportunities for music participation and expressions, and are under the direct supervision of teachers of the department.

## HONORARY SOCIETY

The Mu Alpha Sigma Honorary Society was organized during the session 1935-1936 for the purpose of giving recognition for achievement in meritorious performance, scholarship, research and original creative efforts in music. Students are not elected to the Society on the basis of their application for membership.

## COURSE OF STUDY OUTLINE

## SCHOOL MUSIC MAJOR

## FRESHMAN YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Orientation 103 .....	3	Education 113 .....	3
English 113 .....	3	Introduction to Education and to Teaching .....	3
Grammar and Composition .....	3	English 123 .....	3
Natural Science 113 .....	3	Reading and Composition .....	3
College Science .....	3	Natural Science 123 .....	3
Music Theory 153 .....	3	College Science .....	3
Elementary Harmony .....	2	Music Theory 163 .....	3
Strings, Woodwinds or Brasses 0-132 .....	2	Elementary Harmony .....	2
Mathematics 113 .....	3	Strings, Woodwinds, or Brasses 0-142 .....	2
College Algebra .....	3	Mathematics 113 .....	3
Music Orientation 400 .....	3	College Algebra .....	3
Music Seminar .....	3	Music Orientation 400 .....	3
Choir 110½ .....	3	Music Seminar .....	3
Choral Music (College Choir) .....	3	Choir 110½ .....	3
Physical Ed. 111 (Women) or .....	1	Choral Music (College Choir) .....	3
Military Science 111 (Men) .....	1	Physical Ed. 121 (Women) or .....	1
Basic .....	1	Military Science 121 (Men) .....	1
	<hr/>	Basic .....	1
	17 or 18		<hr/>
			17 or 18

## SOPHOMORE YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Education 213 .....	3	Education 223 .....	3
Problems of the Rural Teacher .....	3	Problems of the Rural Teacher .....	3
Foreign Language 113 .....	3	Foreign Language 123 .....	3
Elementary French or .....	3	Elementary French or .....	3
Elementary Spanish .....	3	Elementary Spanish .....	3
Political Science 263 .....	3	Political Science 203 .....	3
National Government .....	3	American State Government .....	3
Music Theory 253 .....	3	Music Theory 263 .....	3
Advanced Harmony .....	3	Advanced Harmony .....	3
Applied Music 213 .....	2 or 3	Applied Music 223 .....	2 or 3
Music Orientation 400 .....	3	Music Orientation 400 .....	3
Music Seminar .....	3	Music Seminar .....	3
Choir 210½ .....	3	Choir 220½ .....	3
Phys. Ed. 211 (Women) or .....	1	Phys. Ed. 221 (Women) or .....	1
Sophomore Practice .....	1	Sophomore Practice .....	1
Military Science (Men) 211 .....	1	Military Science (Men) 221 .....	1
Basic .....	1	Basic .....	1
	<hr/>		<hr/>
	15 or 16		15 or 16

JUNIOR YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
English 213	3		English 223	3	
Public Speaking			World Literature	3	
History of Music 013	3		History of Music 023	3	
Introduction to Music			Social Science 123	3	
Social Science 113	3		Introduction to Social Science		
Introduction to Social Science			Supervision and Administration of		
Methods in Grades 373	3		High School Music 383	3	
Foreign Language 213	3		Foreign Language (French or Spanish) 223	3	
Reading and Grammar Review (French) or Advanced Grammar and Reading (Spanish)			Applied Music 323	3 or 2	
Applied Music 313	3 or 2		Voice		
Voice			Music Orientation 400		
Music Orientation 400			Music Seminar		
Music Seminar			Choir 320½		
Choir 310½			Physical Ed. Theory	3	
Physical Ed. Theory	3				20 or 21
		20 or 21			

SENIOR YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
Teaching of Major Sub. and Lit. 022	2		Music 332	2	
Form and Analysis 062	2		Conducting		
Education (9 weeks)	3		Ensemble 432 or Accompanying 442	2	
Applied Music 412, 213	2 or 3		Negro History 463	3	
Education (Practice-Teaching)	5		Applied Music 422 or 223	2 or 3	
Music Orientation 400	0		Orchestration 273	3	
Music Seminar			Instrumental		
Choir 410½			Music Education 373	3	
		14 or 15	Music Orientation 400	0	
					15 or 16

THEORY MAJOR

FRESHMAN YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
Mus. 113 Elem. Piano	3		Mus. 123 Elem. Piano	3	
Applied Music Minor	0		Applied Music Minor	0	
Mus. 132 Elem. Sight Singing and Ear Training	2		Mus. 142 Elem. Sight Singing and Ear Training	2	
Mus. 013 Music Intro. and Terminology	0		Mus. 032 Music Appreciation	0	
Mus. 400 Seminar	0		Mus. 400 Seminar	0	
Mus. 110 Choir (One-half hr. Credit)			Mus. 120 Choir (one-half hour credit)		
Eng. 113 Gram. and Comp.	3		Eng. 123 Reading and Composition	3	
Soc. Sci. 113 Introduction	3		Soc. Sci. 123 Introduction	3	
Sci. 113 College Science	3		Math. 173 Applied	3	
Ed. 113 Introduction	3		Ed. (Elective)	3	
Phys. Ed. 111 Freshman Practice or Mil. Sci. 111 Basic Infantry	1		Phys. Ed. 121 Freshman Practice or Mil. Sci. 121 Basic Infantry	1	
		18			18

SOPHOMORE YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
Mus. 214 Intermediate Piano	4		Mus. 224 Intermediate Piano	4	
Mus. 153 Elem. Harmony	3		Mus. 163 Elem. Harmony	3	
Applied Music Minor	0		Applied Music Minor	0	
Mus. 232 Adv. Ear Training	2		Mus. 242 Adv. Ear Training	2	
Mus. 062 Analysis of Form	2		Mus. 062 Analysis of Form	2	
Mus. 400 Seminar	0		Mus. 400 Seminar	0	
Mus. 210 Choir (One-half hour credit)			Mus. 220 Choir (one-half hr. credit)		
Foreign Language 113	3		Foreign Language 123	3	
Education (Elective)	3		Education (Elective)	3	
Phys. Ed. 211 Sophomore Practice or Mil. Sci. 211 Basic Infantry	1		Phys. Ed. 221 Sophomore Practice or Mil. Sci. 221 Basic Infantry	1	
		18			18



## JUNIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Applied Music (Elective) .....	0	Applied Music (Elective) .....	0
Mus. 253 Adv. Harmony .....	3	Mus. 263 Adv. Harmony .....	3
Mus. 400 Seminar .....	0	Mus. 400 Seminar .....	0
Mus. 310 Choir or Mus. 110 Orchestra		Mus. 320 Choir or Mus. 120 Orchestra	
English (Elective) .....	3	English (Elective) .....	3
Foreign Language 223 .....	3	Foreign Language 223 .....	3
Mus. 453 Composition .....	3	Mus. 463 Composition .....	3
Pol. Sci. 203 State Government .....	3	Pol. Sci. 263 National Govt. ....	3
	<u>15</u>		<u>15</u>

## SENIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Applied Music Elective .....	3	Mus. 282 Orchestration .....	2
Mus. 272 Orchestration .....	2	Mus. 332 Conducting .....	2
Mus. 332 Conducting .....	2	Mus. 420 Choir or Mus. 120 Orchestra	
Mus. 400 Seminar .....	0	Mus. 400 Seminar .....	0
Education (Elective) .....	3	Education (Elective) .....	3
Education (Practice Teaching) .....	6	Education (Elective) .....	6
Mus. 410 Choir or Mus. 110 Orchestra		Hist. 463 Negro History .....	3
	<u>16</u>		<u>16</u>

## PIANO MAJOR

## FRESHMAN YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Applied Music (Elective) .....	3	Piano 123 .....	3
Music 132 .....	2	Music 142 .....	2
Elementary Sight Singing and Ear		Elementary Sight Singing and	
Training .....	0	Ear Training .....	0
Music 013 .....	0	Music 032 .....	0
Music Introduction and		Music Appreciation .....	0
Terminology .....	0	Music Orientation 400 .....	0
Music Orientation 400 .....	0	Music Seminar .....	0
Music Seminar .....	0	Choir 120½ (one-half hour credit)	
Choir 110½ (one-half hour credit)		English 123 .....	3
English 113 .....	3	Reading and Composition .....	3
Grammar and Composition .....	3	Social Science 123 .....	3
Social Science 113 .....	3	Introduction to Social Science .....	3
Introduction to Social Science .....	3	Mathematics 173 .....	3
Natural Science 113 .....	3	Elements of Applied Math. ....	3
College Science .....	3	Education (Elective) .....	3
Education 113 .....	3	Phys. Ed. 121 (Women) or	
Introduction to Education .....	3	Military Science 121 (Men) Basic ...	1
Phys. Ed. 111 (Women) or			
Military Science 111 (Men) Basic ...	1		
	<u>17 or 18</u>		<u>17 or 18</u>

## SOPHOMORE YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Applied Music 124 .....	4	Music 224 .....	4
Piano .....	4	Piano .....	4
Music 153 .....	3	Music 242 .....	2
Elementary Harmony .....	3	Advanced Ear Training .....	2
Music 232 .....	2	Music 163 .....	3
Advanced Ear Training .....	2	Elementary Harmony .....	3
Music Orientation 400 .....	2	Music 022a .....	2
Music Seminar .....	2	Music Literature .....	2
Choir (one-half hour credit) .....	2	Music Orientation 400 .....	2
Foreign Language 113 .....	3	Music Seminar .....	2
Elementary French or		Choir (one-half hour credit) .....	2
Elementary Spanish .....	3	Foreign Language 123 .....	3
Education .....	3	Elementary French or	
Physical Ed. 211 (Women) or		Elementary Spanish .....	3
Military Science 211 (Men) Basic ...	1	Education .....	3
	<u>15 or 16</u>	Phys. Ed. 221 (Women) or	
		Military Science 221 (Men) Basic ...	1
			<u>17 or 18</u>

## JUNIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Applied Music 313	3	Advanced Piano 323	3
Advanced Piano		Music 263	3
Music 253	3	Advanced Harmony	
Advanced Harmony		Music 420	
Music 410		Accompanying	
Accompanying		Music Orientation 400	
Music Orientation 400		Music Seminar	
Music Seminar		Choir	
Choir		English 223	3
English 213	3	World Literature	
Public Speaking		Foreign Language 223	3
Foreign Language 213	3	French or Spanish	
Reading and Grammar Review		Political Science 203	3
(French) Advanced Grammar and		State Government	
Reading (Spanish)			—
Political Science 263	3		15
National Government			
	—		
	15		

## SENIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Music 413	3	Music 423	3
Applied Music—Advanced Piano		Advanced Piano	
Music 432-472	2	Music 332a	2
Ensemble Piano or Chamber		Conducting	
Music 332	2	Music 400	0
Conducting		Seminar	
Education	3	Choir	0
Education (Practice-Teaching)	6	Education	3
	—	Education	6
	16	Negro History 463	3
			—
			17

## DESCRIPTION OF COURSES

## MUSIC INTRODUCTORY COURSES

013. INTRODUCTION TO MUSIC. (2-0.) *Credit 2.* I and II. Great Fundamentals of music and elementary theory for persons beginning the collegiate study of music.

## MUSIC LITERATURE AND APPRECIATION

013. INTRODUCTION TO MUSIC. (2-0.) *Credit 2.* I and II. Great Fundamentals of music and elementary theory for persons beginning the collegiate study of music.

012-012a. HISTORY OF MUSIC. (2-0.) *Credit 2.* I or II. The great movements in the art of Music from the Greek period to the present day.

022-022a. MUSIC LITERATURE. (2-0.) *Credit 2.* I or II. Various conceptions of style in vocal or instrumental music; the history and analysis of selected compositions, instrumental or vocal.

032-032a. MUSIC APPRECIATION. (2-0.) *Credit 2.* II. General music appreciation intended to serve as a means of introducing and extending knowledge concerning music and offering a background for intelligent listening to music. No previous music knowledge is required. This course is open to all students.

## MUSIC THEORY AND COMPOSITION

062, 062a. ANALYSIS AND FORM. (2-0.) *Credit 2.* I or II. Practical analysis of simple and intermediate forms, and eighteenth and nineteenth century harmony as illustrated in the works of Mendelssohn, Haydn, Mozart, Beethoven, Schubert and others. Prerequisite: Music, 013, 153 and 163.

132-142. ELEMENTARY SIGHT SINGING AND EAR TRAINING. (2-0.) *Credit 2.* I and II. Drill in aural recognition and vocal execution of scales, intervals, embellishments, sight reading and singing and melodic and harmonic dictation.

153-163. ELEMENTARY HARMONY. (3-0.) *Credit 3.* I and II. A study of scales, intervals, chords and their progressions, and general harmonizations.

171, 181. INSTRUMENTATION. (1-0.) *Credit 1.* I and II. A study of the band orchestra and of arranging these organizations.

232-242. 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, and the taking of melodic and harmonic dictation involving transposition and modulation.

253-263. ADVANCED HARMONY. (3-0.) *Credit 3.* I and II. Further study of the use of chord, chromatic alterations, choral harmonization of Bach and reading and harmonic analysis of a symphonic movement. Prerequisites: Music 013, 153, and 163.

273-283. ORCHESTRATION. (2-0.) *Credit 2.* I and II. Instruments of the orchestra with the practical study of the art of symphonic scoring. Emphasis during the second semester is placed on a small original composition for orchestra.

353-363. COUNTERPOINT. (3-0.) *Credit 3.* I and II. Two, three, and four-part counterpoints in all species; invertible counterpoint; canonic imitation; original writing in the simple contrapuntal forms. Prerequisites: Three semesters of harmony.

453-462. COMPOSITION. (3-0) and (2-0). *Credit 3 and 2.* I and II. Creative work in the smaller music forms for voice, piano or orchestral instrument.

## APPLIED MUSIC—ELEMENTARY COURSES

100. INSTRUMENTAL AND VOCAL MUSIC. (Industry.) (0-6.) *No. credit.* I or II.

122-112, 113-123. CLARINET (other wind instruments). Embouchure formation; posture; breathing; long tones; major or minor scales; articulation; adjustment of reed to lips; fundamentals of attack. Methods of Rubank, Weissenborn, Anton Horner, Oscar Franz, Goldman, Arban, Wagner, Gekeler, Stubbins, Ernest Williams, Pottag-Hovey, Cimera-Hovey, Barrett, Klose, etc., according to wind instrument.

112-122; 113-123. VIOLIN (or other string instruments). (2-6) (3-6). *Credit 2 or 3.* I and II. (As applied major or minor.) Fundamentals of

playing the violin or other string instruments. Methods by Deberiot, Kummer, Wohlfort, Dancla, Albert G. Mitchell, Davidoff, Nelson Watson, etc., according to string instrument.

112-122; 113-123. VIOLIN (or other string instruments). (2-6) (3-6). *Credit 2 or 3.* I and II. (As applied major or minor.) Fundamentals of playing the violin or other string instruments. Methods by Deberiot, Kummer, Wohlfort, Dancla, Albert G. Mitchell, Davidoff, Nelson Watson, etc., according to string instrument.

113-123. PIANO. (3-6.) *Credit 3.* I and II. Bach, Two-Part Inventions; Hamon, Virtuoso Pianist; Czerny, School of Velocity; sonatas of Mozart and Beethoven; Chopin, Preludes; studies by Schubert and Grieg. All major and minor scales in four octaves using double and triple rhythms in various accents.

113-123. VOICE. (3-6.) *Credit 3.* I and II. Tone production, breathing, flexibility and phrasing. Songs chosen from the best simple song literature, Italian anthology.

113-123. ORGAN. (3-6.) *Credit 3.* I and II. Preparatory manual exercises and pedal technique; the playing of trios (two manuals and pedals), study and playing of chorals and preludes and short work for the organ. Organ students must demonstrate ability in preparatory piano before admittance to organ classes.

#### INTERMEDIATE COURSES

200. INSTRUMENTAL AND VOCAL MUSIC. (Industry) (0-6.) *No Credit.* I or II.

214-224. CLARINET (or other wind instruments). (1-6) (4-6). *Credit 1 or 4.* I and II. (As applied major, minor or school music requirement.) Chromatic scales sustained tones; tenor clef for bassoon; horn transpositions; broken chords in all keys; etudes for the instrument used; continuation of method courses according to wind instrument; few selected solos.

212-222-214-224. VIOLIN (or other string instruments). (2-6) (4-6). *Credit 2 or 4.* I and II. (As applied major, minor or school music requirement). Exercises in change of position; Rode and Dancla, Op. 73 Etudes for violin, Spohr Concerto No. 9 for violin; Grieg sonata for violin; Kreutzer and Fiorillo etudes 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, Sammartini or Eccles for 'cello; Bach, Suite in D Minor for 'cello, etc. 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.

214, 224. PIANO. (1-6) (4-6.) *Credit 1 or 4.* I and II. (As applied major, minor or school music requirement.) Bach, Three-Part Inventions, French Suite or Prelude and Fugue from Well-tempered Clavichord; Sonatas by Scarlatti, Haydn, Mozart or Beethoven of the early

period; Chopin, Preludes, Mazurkas, Etudes, Nocturnes; Clemeniti, Gradus and Parnassum; romantic and modern pieces.

214-224. VOICE. (1-6) (4-6). *Credit 1 or 4.* I or II. (As applied major, minor or school music requirement.) Studies in diatonic and chromatic scales. Further development of 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."

214-224. ORGAN. (4-6.) *Credit 4.* I and II. A continuation of technical exercises; the extension of repertoire through the study of Preludes and Fugues by Bach; works of Guilman, Carl, Mendelssohn, etc. The study of the use of the organ for church and concert purposes.

#### ADVANCED COURSES

CLARINET. (2-12) (3-12) (3-18). *Credit 2 or 3.* I and II. (As applied major, minor or school music requirement.) Emphasis is placed upon advanced technical studies; repertory, including sonatas and concertos; classical romantic and modern wind instrument literature, and required senior recital for majors.

312, 322, 313, 323; 412-423. VIOLIN (or other string instruments). (2-12) (3-12) (3-18). *Credit 2 or 3.* I and II. (As applied major, minor or school music requirement.) Emphasis is placed upon advanced technical studies, repertory including sonatas and concertos, classical, romantic and modern string instrument literature, and required senior recital for majors.

313-323; 413-423; 513-523. PIANO. (3-12) (3-18). *Credit 3.* I and II. Emphasis is placed upon advanced technical studies.

313, 232, 413, 423; 513-523. VOICE. (3-12) (3-18). *Credit 3.* I and II. Emphasis placed upon advanced technical studies; repertory, including oratorio opera recitatives and arias in English, Italian, German and French, classical, romantic and modern vocal literature, and required senior recital for majors.

313, 323; 413-423; 513-523. ORGAN. (3-12) (3-18). *Credit 3.* I and II. Emphasis is placed upon advanced technical studies; service playing; extemporization; repertory, including sonatas, chorales, selected symphonic movements and concertos; classical, romantic and modern organ literature and required senior recital for majors.

#### SCHOOL MUSIC

151-161. VIOLIN CLASS METHODS. (1-6.) *Credit 1.* I and II. A class in beginning violin as a practical introduction to the technical problems involved in the playing of string instruments. The study of the instrument will be supplemented by study methods of class teaching and of presentation of practical teaching of school classes.

172-182. **ELEMENTARY SCHOOL METHODS.** (2-0.) *Credit 2.* I and II. Students preparing to teach or supervise music in the first six grades of the public schools. Songs, materials and problems and appreciation pertaining to these grades. Prerequisite: Music 013.

211-221. **VOICE CLASS.** (1-6.) *Credit 1.* I and II. A course in the fundamentals of correct voice production; breathing, breath control, elementary study of vowel forms and consonants, beginning songs, poise, posture and stage decorum. These elements are viewed from two standpoints: the development of the student's own voice, and pedagogy of the course.

273-283. **INSTRUMENTAL MUSIC EDUCATION.** (3-0.) *Credit 3.* I and II. Methods in teaching band and orchestral instruments; problems in organization, materials and interpretation of literature.

322-332a. **CONDUCTING.** (2-0.) *Credit 2.* I or II. The development of an adequate baton technique, and technique and problems of choral and instrumental conducting in the elementary and high school.

342-342a. **CHORAL.** (2-0.) *Credit 2.* I or II. The organization.

372-382. **JUNIOR AND SENIOR HIGH SCHOOL METHODS.** (2-0.) *Credit 2.* I and II. A study of the materials and procedures in the junior and senior high school. Demonstrations of the class teaching upon these two levels are included.

403. **OBSERVATION AND PRACTICE TEACHING OF APPLIED MUSIC.** (3-0.) *Credit 3.* I or II.

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—SEMINAR

400. **MUSIC SEMINAR.** (0-0 to 6.) *No credit.* I and II. All four years. Credit in connection with major course of study. Extensive study in assembly of all music majors and minors in music problems and literature. Individual and ensemble performances before entire group. Lectures and demonstrations. Current news about music and musicians.

#### MUSIC—ENSEMBLES

110½-520½. **CHORAL MUSIC.** (University Choir). (½ to 4.) I and II or all four years. Study and performance of sacred and secular choral music, cantatas and oratorios offering excellent practical opportunities for expression in part singing. A capella and accompanying singing.

111-421. **BAND MUSIC** (University Band). (1-6.) I and II for the four years. A military and concert organization for the study and performance of concert and military music. Affords excellent opportunity in practical experience in studying and performing advanced band literature.

410-420. PIANO ACCOMPANYING. (0-1.) *Credit in connection with piano. I and II. Aims to give instruction and practice in accompanying vocal and instrumental soloists, ensembles and other organizations, and an acquaintance with the accompaniments of standard music literature. Students are required to serve as accompanists and in teachers' studios. Prerequisite: Sufficient ability to play piano and technique, sight reading ability, and permission of the teacher.*

## MUSIC

Prairie View A. & M. College offers courses leading to the degree of Master of Science 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 Division of Arts and Sciences of Prairie View A. & M. College.

Candidates for the master's degree may major in theory, voice, piano, or school music.

## SCHOOL MUSIC

Requirements:

*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. Problems involved in the presentation of music appreciation to high school students. 3 hours.

773. PROBLEMS IN TEACHING SIGHT-SINGING AND EAR TRAINING. Students must audit first-year courses and engage in practice teaching plus one hour of theory and one hour of lecture. 3 hours.

863. TESTS AND MEASUREMENTS IN MUSIC EDUCATION. Stresses procedures, criticisms, and evaluation of the most prominent sensory motor, feeling and achievements in music. 3 hours.

873. THE TEACHING OF VOCAL MUSIC IN THE HIGH SCHOOL. The organization and administration of (a capella) choirs, boys' choirs or glee clubs, girls' choirs or glee clubs, and voice-training classes. 3 hours.

883 SM. THESIS. A written literary work involving original research.

963. PROSEMINAR IN THE PHILOSOPHY OF MUSIC EDUCATION. Discussion and comparative study of music courses; their aims and relations to other high school subjects. Materials for chorus, band and orchestra. 3 hours.

973. SEMINAR IN MUSIC EDUCATION. Reviews the current philosophy of education in this country with special reference to 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. In addition the student will engage in a special study of some problem associated with that aspect of music teaching in which he is mostly interested. 3 hours.

983. RESEARCH IN MUSIC EDUCATION. 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. 3 hours.

993. THE PSYCHOLOGY OF MUSIC. Presents material from the science of psychology which leads to an understanding of individual differences in musical capacities and concomitant application in teaching. An understanding of current psychological tests and measurements in music. Review of the experimental laboratory work on factors which make up the musical mind. 3 hours. Requirements:

#### THEORY

*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)*

673. DICTATION AND SIGHT-SINGING. Advanced courses in aural theory.



693. ANALYSIS OF FORM. 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. Scoring for the full symphony orchestra.

783. CONTRAPUNTAL AND CHROMATIC DICTATION. Dictation and two and three-part counterpoint, and four-part chromatic harmony.

793. CHROMATIC AND MODERN HARMONY. Harmonic materials and technique from creative and analytical angles, designed to familiarize the student with the harmonic idiom of the period from the late nineteenth century to the present.

883 TH. THESIS. A written literary work involving original research or an arrangement of a work, or an original work for full symphony orchestra.

953. ADVANCED ANALYTICAL HARMONY. 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 hrs. total for degree)*

##### Music 613—

1. Three concertos of contrasting type (Mozart, Beethoven, Brahms, Schumann, Chopin, Liszt, Tchaikowsky, Rachmaninoff, etc.)

##### Music 623—

2. Sufficient material for two programs including three or 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, transcriptions 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., (Chorale and Fugue); Brahms-Handel—(Variations and Fugue); Liszt—(Sonata, etc.).

Modern Composers—Debussy, Raver, Scriabin, etc., Contemporary Moderns including American Composers.

#### Music 713—

3. Must give a public recital of a concerto in its entirety; some ensemble (Chamber, if possible), and a complete piano program.

#### Music 723—

4. 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).*

#### Music 633—

1. A minimum of 6 songs in each of the four languages (in addition to the undergraduate degree)—English, French, German, and Italian.

#### Music 643—

2. Four arias (Languages not specified).

#### Music 733—

3. Must give a public performance with orchestral accompaniment if possible and one complete artist's recital.

## DEPARTMENT OF NATURAL SCIENCE

The Department of Natural Sciences includes Chemistry, Physics and Biology. Each section has a chairman and their respective requirements 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, premedicine, and other preprofessions that require a scientific background. Credits earned here are accepted by all A class medical schools. The medical aptitude test is administered yearly under the supervision of the Natural Science Department.

## BIOLOGY

### MAJOR AND MINOR REQUIREMENTS

All major or minor students must maintain an average of C 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 field.

For a major in Biology, a minimum of 34 semester hours are required, of which at least 12 must be numbered 300 and above. Of the 34 hours, the following courses must be included: Biology 134, 114, 124, 224, 344, 414.

Twenty hours are necessary for a minor in Biology which will include the following courses: Biology 134, 114, 124, 214, and 224.

In addition to 32 semester hours each person is required to present in thesis form the result of a scientific investigation.

### A POSSIBLE TWO YEAR PREMEDICAL COURSE

#### FIRST YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Chemistry 115 .....	5	Chemistry 125 .....	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	
Biology 114 .....	4	Biology 124 .....	4
General Zoology		General Zoology	
Military Science 111 .....	1	Military Science 121 Basic .....	1
Basic or		Physical Ed. 121 Freshman Practice ..	
Physical Ed. 111 Freshman Practice ..			
	<hr/> 15 or 16		<hr/> 15 or 16

#### SECOND YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Chem. 315 General Organic .....	5	Elective or Chem. 214 Quantita-	
Phys. 214 General Physics .....	4	tive Analysis .....	3 or 4
Elective or Bio. 314 Human		Physics 214 General Physics .....	4
Physiology .....	3 or 4	Elective or Biology 324	
French or Spanish 113 .....	3	Human Physiology .....	3 or 4
Military Science 211 Basic .....	1	French or Spanish 123 .....	3
Phys. Education 211 Sophomore Prac.		Military Science 221 Basic .....	1
	<hr/> 15, 16, 17.	Phys. Ed. 221 Sophomore Practice ..	
			<hr/> 15 or 17

Electives may include courses in Biology, Bio Chemistry, Physical Chemistry, History, Economics, Psychology, Sociology.

## SUGGESTED OUTLINE FOR A MAJOR IN BIOLOGY

## FRESHMAN YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
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 115 (if Minor)	5	Chemistry 125 (if Minor)	5
General Inorganic Chemistry with Introductory Qualitative Analysis or		General Inorganic Chemistry with Introductory Qualitative Analysis or	
History 113 European	3	History 123	3
Education 103 General Orientation	3	European	
Phys. Ed. Practice 111 (Women)		Education 113	3
Freshman Practice, or		Introduction to Education and to Teaching	
Military Science (Men) 111	1	Phys. Ed. Practice 121 (Women)	
Industry 110	—	Freshman Practice, or	
	17 or 19	Military Science (Men) 121	1
		Basic	
		Industry 120	—
			17 or 19

## SOPHOMORE YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Biology 134	4	Chemistry 204	4
General Botany		Qualitative Analysis	
Biology 314	4	Biology 324	4
Human Physiology		Human Physiology	
French 113	3	French 123	3
Elementary French		Elementary French	
Physics 114	4	Physics 124	4
General Physics		General Physics	
Phys. Ed. Practice 211 (Women)		Physical Ed. Practice 221 (Women)	
Sophomore Practice, or		Sophomore Practice, or	
Military Science (Men) 211	1	Military Science (Men) 221	1
Basic		Industry 140	—
Industry 130	—		15 or 16
	15 or 16		

## JUNIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Biology 414	4	Biology 424	4
Vertebrate Embryology		Vertebrate Embryology	
Chemistry 315	5	Chemistry 325	5
General Organic Chemistry		General Organic Chemistry	
English 213		English 223	
Public Speaking		World Literature	
French 213	3	French 223	3
Reading and Grammar Review		Reading and Grammar Review	
Political Science 263	3	Political Science 203	3
National Government		State Government	
Military Science (Men) 313	3	Military Science (Men) 323	3
Advanced		Advanced	
Industry 150	—	Industry 160	—
	15 or 18		15 or 18

## SENIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Elective in Major Field	4	Elective	4
Education (Including Practice teaching)	12	Elective in Major	4
Military Science 413	3	Electives	3
Advanced		History 463	3
Industry 170	—	Negro History	
	16 or 19	Military Science 423 Advanced	3
		Industry 180	—
			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.

124. GENERAL ZOOLOGY. (2-4.) *Credit 4.* Morphology, Physiology, and relationship of invertebrate groups.

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.

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. (2-4.) *Credit 4.* Structure, physiology of human organ systems and related principles. Prerequisite: Biology 114, 124.

334. GENERAL MICROBIOLOGY (Bacteriology). (2-4.) *Credit 4.* Morphology, physiology, classification, cultivation of Microorganisms; relation of microorganisms to man, animals, plants and soil; general welfare, 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.

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. VERTEBRATE EMBRYOLOGY. (2-4.) *Credit 4.* Structure, principles and processes in vertebrate development, chicken and pig as principal laboratory material.

## 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.

## GRADUATE COURSES

A student entering graduate study in the field of Biology must have had at least one full year of some biological science (Zoology or Botany) as an undergraduate. It is preferable that he shall have had enough for a major or a minor. It is expected that students who plan coming up for the Mastere's degree shall become thoroughly grounded in the gen-

eral principles of general Zoology, Botany, Physiology, Embryology, and Anatomy (comparative and microscopic).

504. EMBRYOLOGY. (2-4.) *Credit 4*. The lectures and assigned readings deal primarily with descriptive embryology. A systematic study of vertebrate development with special reference to mammals. This study of development is illustrated by dissections and by examination of selected embryological materials, including serial sections of the fetal pig. Prerequisite: Biology 214 and 224.

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.

534. GENERAL PHYSIOLOGY. (2-4.) *Credit 4*. Functioning of the organ systems along with the chemical and physical processes involved. Emphasis in the laboratory is laid upon quantitative experimentation on warm-blooded animals, and after a training in the basic physiological techniques the student is encouraged to do original research on a problem of his choice. Whenever possible original sources are consulted for information to acquaint the student with the leading workers in the field and their methods. Prerequisite: Biology 214 and elementary course in both Physics and Chemistry.

544. ENDOCRINOLOGY. (2-4.) *Credit 4*. General consideration of the organs of internal secretion. Pyslogeny, embryology, microscopic, anatomy, and physiology. Prerequisite: Biology 214, 224, 324.

554. EXPERIMENTAL EMBRYOLOGY. (0-4.) *Credit 4*. Modern problems and techniques of the development of the principles and mechanisms of development. Analysis of the factors operating in the morphogenesis, regeneration and development of selected vertebrates. Prerequisite: Biology 414 and 504.

584. SPECIAL PHYSIOLOGY OF MAMMALS. (2-4.) *Credit 4*.

600. RESEARCH. (*Credit arranged*). Research may be carried out in Cytology, Genetics, Embryology, Physiology and Botany.

663: CYTOLOGY. (2-1.) *Credit 1*. Lectures, report and laboratory work on the finer structure of cells and processes.

#### 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

## SUGGESTED OUTLINE FOR A MAJOR IN CHEMISTRY

## FRESHMAN YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Chemistry 115 .....	5	Chemistry 125 .....	5
General Inorganic Chemistry with		General Inorganic Chemistry with	
Introductory Qualitative Analysis		Introductory Qualitative Analysis	
English 113 .....	3	English 123 .....	3
Grammar Composition		Reading and Composition	
Mathematics 113 .....	3	Mathematics 123 .....	3
College Algebra		Trigonometry	
Education 103 .....	3	Introduction to Education .....	3
Orientation		Education 113	
Social Science 113 .....	3	Social Science 123 .....	3
Introduction to Social Science		Introduction to Social Science	
Phys. Ed. Practice 111 (Women)		Phys. Ed. Practice (Women) 121	
Freshman Practice, or		Freshman Practice, or	
Military Science (Men) 111 Basic.....	1	Military Science (Men) 121 Basic.....	1
Industry 110 .....		Industry 120 .....	
	<hr/>		<hr/>
	17 or 18		17 or 18

## SOPHOMORE YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Chemistry 204 or 214 .....	4	Chemistry 214 or 224 .....	4
Qualitative Analysis or		Qualitative Analysis or	
Quantative Analysis		Quantative Analysis	
Minor .....	3	Education .....	3
Physics 114 .....	4	Math. 213 .....	3
General Physics		Analytical Geometry	
French 113 .....	3	French 123 .....	3
Elementary French		Elementary French	
National Government 263 .....	3	Physics 124 .....	4
American National Government		General Physics	
Phys. Ed. Practice 211 (Women)		Phys. Ed. Practice 221 (Women)	
Sophomore Practice, or		Sophomore Practice, or	
Military Science 211 (Men) .....	1	Military Science 221 (Men) Basic.....	1
Basic		Industry 140 .....	
Industry 130 .....			
	<hr/>		<hr/>
	17 or 18		17 or 18

## JUNIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Chemistry 315 .....	5	Chemistry 325 .....	5
General Organic Chemistry		General Organic Chemistry	
Mathematics 223 .....	3	State 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 (Selected).....		Military Science 323 (Selected Men)	
Advanced		Advanced	
Industry 150 .....		Industry 160 .....	
	<hr/>		<hr/>
	17		17

## SENIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Chemistry 414 .....	4	Chemistry 451 .....	1
Physical Chemistry		Research	
Chemistry 434 .....	4	Minor .....	3
Biochemistry		Chemistry 424 .....	4
Minor .....	3	Physical Chemistry	
Education .....	3	Practice-teaching .....	6
Negro History 413 .....	3	Economics .....	3
History of the Negro in America		Military Science 423 Advanced .....	
Industry 170 .....			
Military Science 113 Advanced.....			
	<hr/>		<hr/>
	17		17

## 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 114, 124, 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 114 and 124.

## DESCRIPTION OF COURSES

## CHEMISTRY

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

115-125. GENERAL INORGANIC CHEMISTRY. (3-4.) *Credit 5.* 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.

204. QUALITATIVE ANALYSIS. (2-04.) *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 metals and non-metals; micro qualitative laboratory techniques; prerequisite: Chemistry 115 and 125.

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.

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 115, 125.

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 115 and 125.



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. Alephatic and aromatic compounds; preparation and testing of representative compounds of the alephatic and aromatic substances. Prerequisite: Chemistry 114, 124, 204 and 214.

414 and 424. **PHYSICAL CHEMISTRY.** (2-4.) *Credit 4.* The properties of solids, liquids and gases, molecular and ionic theories, electrical transference and conductions; chemical kinetics; phase rule and thermo chemistry. Prerequisite: Chemistry 214 and Physics 114, 124, Math. 224.

434 and 444. **BIOCHEMISTRY.** (2-4.) I and II. *Credit 4.* An introductory course on the chemistry of living matter, foods, metabolism and Nutrition. The laboratory works deal with the examination and tests of foods, nutritional studies and the qualitative and quantitative examination of blood and urine. Prerequisites: Chemistry or permission of instructor, and Chemistry 214, 315 and 325.

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, 423. **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.

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.

713. **QUALITATIVE ORGANIC ANALYSIS.** (2-4.) Analysis of various classes of organic compounds.

514-524. **PHYSICAL CHEMISTRY.** (2-4.) *Credit 4.* For advanced undergraduate and graduate students. Pressure-volume relation of gases; vapor pressure, boiling point, freezing point, and osmotic pressure of solutions; molecular and ionic theories; electrical transference equilibria and thermochemistry. Prerequisites: Chemistry 224 and college physics.

612. **ADVANCED INORGANIC CHEMISTRY.** (2-0.) *Credit 2.* The elements in the order they appear in the periodic chart; the relationship

between atomic structure and properties; less familiar elements in detail.

701. CHEMICAL PRINCIPLES. (1-0.) *Credit 1.* Fundamental principles and fields of chemistry; their inter-relationship and practical relationship to industry and allied fields. Designed for persons interested in the teaching of chemistry and obtaining a broad view of the field. Prerequisite: Graduate or advanced undergraduate.

702. ADVANCED ANALYTICAL CHEMISTRY. (2-0.) *Credit 2.* Chemical principles and advanced analytical theory. Prerequisite: Chemistry 224.

712. ADVANCED ANALYTICAL LABORATORY, (0-4.) *Credit 2.* Specific methods of chemical analysis, including electrometric methods and analysis of selected alloys, minerals, soils and plant products. Course may be taken separately or along with Chemistry 702. Prerequisite: Chemistry 224.

712. ADVANCED ORGANIC CHEMISTRY. (2-0.) *Credit 2.* Lectures, recitations and assigned readings covering the mechanisms of typical organic reactions. Prerequisite: Chemistry 325.

713. QUALITATIVE ORGANIC ANALYSIS. (1-4.) *Credit 3.* Separation and identification of pure organic compounds. Prerequisite: Chemistry 325.

752. BIOCHEMISTRY. (2-0.) *Credit 2.* Lectures, recitations and assigned readings dealing with recent investigations of biochemical phenomena; plant and animal biochemistry, blood, metabolism, etc. Prerequisite: Chemistry 444 or its equivalent.

763. BIOCHEMICAL AND CLINICAL ANALYSIS. (0-6.) *Credit 3.* Conferences and laboratory work dealing with the analysis of blood, urine, vitamin assay. Prerequisite: Chemistry 444.

782. TOPICS IN THE CHEMISTRY OF NUTRITION. (2-0.) *Credit 2.* Lecture, recitations and assigned readings on the most recent advancements in research on vitamins, amino acids, proteins, and minerals as related to human and animal nutrition. Prerequisite: Chemistry 444.

802. ELECTROCHEMISTRY. (0-4.) *Credit 2.* Lectures, assigned readings and exercises in the laboratory dealing with the fundamental theories of electro chemistry and the preparation of certain inorganic and organic compounds. Prerequisite: Physical chemistry.

523. AGRICULTURAL ANALYSIS. (0-6.) *Credit 3.* Conferences and laboratory studies dealing with the chemical analysis of feeds, fertilizers, soils, insecticides, and fungicides. Prerequisite: Chemistry 224 and 254.

811, and 812. RESEARCH. (0-2.) *Credit 1.* Problems for investigation may be selected from one of the following fields: 1. Agricultural chemistry; 2. Analytical chemistry; 3. Biochemistry; 4. Organic chemistry.

## DEPARTMENT OF PHYSICS

### SUGGESTED OUTLINE FOR A MAJOR IN PHYSICS

#### FRESHMAN YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Chemistry 115 .....	5	Chemistry 125 .....	5
General Inorganic Chemistry with Introductory Qualitative Analysis		General Inorganic Chemistry with Introductory Qualitative Analysis	
English 113 .....	3	English 123 .....	3
Grammar and Composition		Reading and Composition	
Mathematics 113 .....	3	Mathematics 123 .....	3
College Algebra		Trigonometry	
Social Science 113 .....	3	Social Science 123 .....	3
Introduction to Social Science		Introduction to Social Science	
Education 103 .....	3	Education 113 .....	3
Orientation		Introduction to Education	
Phys. Ed. Practice (Women) 111		Phys. Ed. Practice (Women) 121	
Freshman Practice, or		Freshman Practice, or	
Military Science 111 (Men) 111 .....	1	Military Science (Men) 121 .....	1
Basic		Basic	
Industry 110 .....		Industry 120 .....	
	17 or 18		17 or 18

#### SOPHOMORE YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Physics 114 .....	4	Physics 124 .....	4
General Physics		General Physics	
French 113 .....	3	French 123 .....	3
Elementary French		Elementary French	
Government—Pol. Sci. 263 .....	3	Pol. Sci. 203 .....	3
American National Government		American State Government	
Education 213 .....	3	Education .....	3
Problems of the Rural Teacher		Problems of Rural Teacher	
Mathematics 224 .....	3	Mathematics 313 .....	3
Differential Calculus		Integral Calculus	
Phys. Ed. Practice 130 (Women)		Phys. Ed. Practice 140 (Women)	
Sophomore Practice, or		Sophomore Practice, or	
Military Science 211 (Men) .....	1	Military Science 221 (Men) .....	1
Industry 130 .....		Industry 140 .....	
	16 or 17		16 or 17

#### JUNIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Physics 312 .....	2	Physics 322 .....	2
Electrical Measurements		Electrical Measurements	
Physics 313 .....	3	Physics 323 .....	3
Electrical Measurements		Electrical Measurements	
Analytical Geometry—Math. 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	
Introduction to Physical Education		Recreation	
Military Science 313 (Men) .....		Military Science 323 (Men) .....	
Advanced		Advanced	
Industry 150 .....		Industry 160 .....	
	18		18

#### SENIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
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) .....		Military Science 423 (Men) .....	
Advanced		Advanced	
Industry 170 .....		Industry 180 .....	
	15		15

## 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 prerequisite 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 Physical 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.

## DESCRIPTION OF COURSES

## PHYSICS

214, 224. GENERAL PHYSICS. *Credit 4.* I and II. Mechanics, heat, sound, electricity, and light. Lecture 2 hours. Lab. 4 hours per week. Prerequisites: Mathematics 113 and 123 which may be taken concurrently with course.

215-225. GENERAL PHYSICS. *Credit 5.* I and II. Offered for majors in Mechanic Arts and Engineering. Mechanics, heat, sound, electricity, and light. Lecture 2 hours; Lab. 6 hours per week. Prerequisites: Mathematics 113 and 123 which may be taken concurrently with course.

312-322. ELECTRICAL MEASUREMENTS. *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. Lab. 4 hours per week. Prerequisite: Physics 214, 224 and Calculus; the Calculus may be taken concurrently with this course.

313-323. ELECTRICAL MEASUREMENTS. *Credit 3.* I and II. The theory of electricity and magnetism. Lecture hours, 3 per week. Physics 312 and 322 must accompany this course.

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

413-423. ELECTRONICS. *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. Lecture 1 hour; Lab. 4 hours per week. Prerequisite: Physics 214, 224 and Calculus may be taken concurrently with this course.

413a. **ADVANCED HEAT AND SOUND.** *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. Lecture 1 hour; Lab. 4 hours per week. Prerequisites: Physics 214, 224 and Calculus.

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

403. **ADVANCED LABORATORY TECHNIQUE.** *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. Lab. 6 hours per week.

## DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

The Department of Health and Physical Education offers general and special courses in Health Education which may be accredited to a combination major and minor in the field. Twelve semester hours of prescribed health education courses will be required for a major in health and physical education and twenty semester hours of Physical Education Theory courses will be prescribed in addition to two hours of Physical Education Practice Courses.

The college maintains hospital facilities and a carefully planned and coordinated program for the health of the students. Each student is given a health examination at the beginning of the college session. Upon the basis of this examination, and upon the basis of his previous experiences, interests and aptitudes, each student is guided in the planning of his Physical Education program.

The Department of Physical Education offers a four-year plan of study leading to the Bachelor of Science degree with a major in physical education. Besides the four-year plan the department also supervises and administers the following activities:

1. Required physical education
2. Intra-mural athletics
3. Intercollegiate athletics

## REQUIRED PHYSICAL AND HEALTH EDUCATION

The college will require for graduation a functional Health Education Course of all students. Realizing its responsibility in preparing prospective teachers and community leaders to understand better the urgent need for health guidance in our schools and communities, the college has recommended that three (3) of the required six semester hours of Physical Education Theory be prescribed for a survey course in Health Education designed to meet these needs.

Physical Education is required of women students two hours per week throughout the freshman and sophomore years. The course is graded and divided into four hours of credit, one hour for each semester. Two uniforms are required for women; a blue one-piece suit, and a white one-piece suit. White regulation basketball shoes are also required. The approximate cost for each of these costumes is \$4.25. Women should come either equipped with, or prepared to purchase these uniforms for their work in physical education.

No courses may be repeated, except in case of failure. Each student must select two of the courses numbered in the 100 group and two from the 200 group, thereby completing the practice requirement in physical education. These courses should be taken in the freshman and sophomore years.

### INTRA-MURAL ATHLETICS

This program, combining work in physical education, health education and recreation, is designed primarily to give students an opportunity to learn and participate in a variety of sports.

### INTERCOLLEGIATE ATHLETICS

Prairie View Agricultural and Mechanical College is a member of the Southwestern Athletic Conference and National Intercollegiate Athletic Association. The College sponsors teams in each major sport to compete locally, sectionally, nationally and internationally.

### MINOR REQUIREMENTS

Twenty-two semester hours of work in physical education in addition to the two years of practice are required for a minor.

### ADDITIONAL REQUIREMENTS

Each student must present satisfactory evidence of his interest and skills in the field of physical education to the Director of Physical Education. This should include statements from former coaches and instructors of physical education of the candidate's skill, interest, and accomplishments in physical education activities while in secondary schools.

The student must at all times be a candidate for one of the varsity or intra-mural teams which is actively engaged in pre-season or competitive season drill. This involves observance of the training rules of the sport as well as the required attendance.

**COURSES BELOW ARE REQUIRED OF MAJOR STUDENTS**

History and Principles of Physical Education.....	3 hours
Methods and Practice of Physical Education.....	2 hours
Methods in Health Education .....	3 hours
Principles of Health Education.....	3 hours
Organization and Administration of Physical Education..	3 hours
Athletic Coaching (Football, basketball, track).....	4 hours
Hygiene .....	3 hours
Human Anatomy .....	4 hours
Physiology .....	4 hours
Physiology of Muscular Exercise.....	3 hours
Physical Education Practice (four semesters)	
	<hr/> 32 hours

**COURSES BELOW ARE REQUIRED OF MINOR STUDENTS**

History and Principles of Physical Education.....	3 hours
Human Anatomy .....	4 hours
Physiology .....	4 hours
Principles of Health Education.....	3 hours
Hygiene .....	3 hours
Athletic Coaching (football, basketball, track).....	3 hours
Elective .....	2 hours
Physical Education Practice (four semesters)	
	<hr/> 22 hours

**SUGGESTED PROGRAM FOR PHYSICAL EDUCATION MAJORS**

**FRESHMAN YEAR**

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Education 103 .....	3	Education 113 .....	3
Orientation .....		Introduction to Education .....	3
English 113 .....	3	English 123 .....	3
Grammar and Composition .....		Reading and Composition .....	
Biology 114 .....	4	Biology 124 .....	4
General Zoology .....		General Zoology .....	
Sociology 213 .....	3	Sociology 223 .....	3
Introductory Sociology .....		Race Relations .....	
Mathematics 113 .....	3	Mathematics 123 .....	3
College Algebra .....		Trigonometry .....	
Military Science 111 .....	1	Military Science 121 .....	1
Basic .....		Basic .....	
Physical Ed. Practice 111 .....		Physical Education Practice 121 .....	
Freshman Practice .....		Freshman Practice .....	
	<hr/> 16 or 17		<hr/> 16 or 17

**SOPHOMORE YEAR**

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Foreign Language 113 .....	3	Foreign Language 123 .....	3
Elementary French or .....		Elementary French or .....	
Elementary Spanish .....		Elementary Spanish .....	
Education 223 .....	3	Physical Ed. (Theory) 223 .....	3
Rural Teacher .....		Principles of Health Ed. .....	
Biology 354 .....	4	Biology 364 .....	4
Human Anatomy .....		Human Anatomy .....	
Physical Ed. (Theory) 233 .....	3	Physical Ed. (Theory) 333 .....	3
History and Principles of .....		Methods in Physical Education .....	
Physical Education .....		Ed. 223 .....	3
Physical Ed. 203 .....	3	Principles of Secondary Education .....	
Personal Hygiene .....		Military Science 221 .....	1
Military Science 211 .....	1	Basic .....	
Basic .....		Physical Ed. Practice 221 .....	
Phys. Ed. Practice 211 .....		Sophomore Practice .....	
Sophomore Practice .....		Industry .....	
Industry .....			
	<hr/> 16 or 17		<hr/> 16 or 17

## JUNIOR YEAR

First Semester		Hrs.	Second Semester		Hrs.
Foreign Language 213	Reading and Grammar Review (French) or Advanced Grammar and Reading (Spanish)	3	Foreign Language 223	Reading and Grammar Review (French) or Advanced Grammar and Reading (Spanish)	3
English 213	Public Speaking	3	English 223	World Literature	3
National Government 263	American National Government		Pol. Sci. 203	American State Government	3
Physical Ed. 473	Physiology of Muscular Exercise	3	Physical Ed. 422	Coaching of Team Sports	3
Physical Ed. (Theory) 243	Methods in Health Education	3	Education 353	Adolescent Psychology	3
Physical Ed. 412	Coaching of Team Sports	3	Military Science 323	Advance	
Military Science 313	Advance				15
		15			

## SENIOR YEAR

First Semester		Hrs.	Second Semester		Hrs.
Negro History 463	History of the Negro in America	3	Physical Education 323	Organization and Administration of Physical Education	3
Education 353	Educational Psychology	3	Physical Ed. 463	Kinesiology	3
Education 406	Practice Teaching	6	Physical Ed. 233	Playground and Community Recreation	3
Electives	Military Science 413	3	Electives	Military Science 423	7
Advance		15	Advance		16

## DESCRIPTION OF COURSES

## PRACTICE COURSES

No courses may be elected 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 numbers in 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 year.

111. FRESHMAN PRACTICE. (0-2.) *Credit 0.* I and II. Relay races, Minetics, Rhythmical activities, singing games, hunting games and athletic games, individual athletic events and team games organized on seasonal basis.

121. FRESHMAN PRACTICE. (2-0.) *Credit 0.* I and II. A continuation of physical education 111.

211. SOPHOMORE PRACTICE. (0-2.) *Credit 0.* I and II. A continuation of physical education 121 on an advanced level.

221. SOPHOMORE PRACTICE. (0-2.) *Credit 0.* I and II. A continuation of physical education 211.

222. FOLK DANCING. (0-2.) *Credit 2.* I and II. History appreciation and interpretation of the folk songs, folk stories and folk customs; mastery of steps in folk dancing.



231. GAMES AND INDIVIDUALISTIC GYMNASTICS. (0-2.) *Credit 1. I and II.* For major and minor students; theory and practice in the techniques in teaching physical education activities in the elementary and high schools.

232. MODERN DANCE. (0-2.) *Credit 2. I and II.* Fundamental steps designed for beginners; required of all major and minor students.

#### THEORY COURSES

114-124. GENERAL ZOOLOGY. (2-4.) *Credit 4. I and II.* Required of all Physical Education majors and minors; see department of Natural Sciences, Biology 114-124 for description.

213. INTRODUCTION TO PHYSICAL EDUCATION. (3-0.) *Credit 3. I.* Orientation for majors in physical education; the history and development of sports and physical education.

223. PERSONAL HYGIENE. (3-0.) *Credit 3.* Special consideration given to personal health problems, biological basis of life attitudes toward health, fatigue ventilation and habit forming drugs.

233. PLAYGROUND AND COMMUNITY RECREATION. (3-0.) *Credit 3. II.* A brief historical review of the growth of the play movements; organization of community activities.

243. METHODS AND MATERIALS OF HEALTH INSTRUCTION. (3-0.) *Credit 3. II.* The course is organized for instructional purposes; Who shall teach health; And the source of material in the field.

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

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

332. METHODS AND MATERIALS IN PHYSICAL EDUCATION. (2-0.) *Credit 2. II.* Organization and classification of activities, play areas, equipment and supplies. The state program in physical education required of all majors and minors.

353. PUBLIC SCHOOL AND COMMUNITY HYGIENE. (3-0.) *Credit 3. I or II.* A study of health problems related to the school and community.

354. HUMAN ANATOMY. (2-4.) *Credit 4. I.* Structure of the human body. Prerequisite: Zoology 114 and 124 required of all major and minor students.

364. PHYSIOLOGY. (2-4.) *Credit 4. II.* A continuation of Anatomy 224. Prerequisite: Zoology 114-124 required of all major and minor students.

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

393. PRINCIPLES OF HEALTH EDUCATION. (3-0.) *Credit 3. II.* Consideration of various programs now in operation, and evaluation in terms of hygiene and scientific criteria. Required of all majors and minors.

412. COACHING OF TEAM SPORTS FOR MEN. (2-0.) *Credit 2. I.* Practice and instruction in coaching sports (Football, basketball and track) techniques in officiating. Required of all majors and minors.

422. COACHING OF TEAM SPORTS FOR MEN. (2-0.) *Credit 2. II.* Continuation of 312.

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

443. ATHLETIC TRAINING AND FIRST AID. (3-0.) *Credit 3.* Theory and practice of preventing and treating athletic injuries; practice in technique of massage.

453, 463. COACHING OF TEAM SPORTS FOR WOMEN. (2-0.) *Credit 2. I and II.* Same as 312, and 322 for men.

473. PHYSIOLOGY OF MUSCULAR EXERCISE. (3-0.) *Credit 3. I.* The effects of physical education activities on the tissues, systems and organs of the body. Prerequisites: Junior standing. Required of all majors.

#### GRADUATE 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 adaptation 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 354 and 364.

623. PHYSIOLOGY AND EXERCISES. (3-0.) *Credit 3. I or II.* The effects of physical education activities on the individual. Special attention is given to the general effects of the exercise upon bodily functions and the effects of special types of exercise upon bodily functions.

633. ADVANCED COURSE IN COACHING. (3-0.) *Credit 3. I or II.* All phases of team play in football, basketball, track and field athletics as well as coaching problems. Prerequisites: senior standing and varsity participation in football, basketball or track.

642. CONDITIONING OF ATHLETES AND CARE OF INJURIES. (2-0.) *Credit 2. I or II.* Conditioning athletes for the various sports together with a practical course in First Aid and the care of injuries in the athletic program.

653. ADMINISTRATIVE PROBLEMS IN PHYSICAL EDUCATION. (3-0.) *Credit 3. I or II.* Coordination of the different phases of the program.

Problems involved in the administration of physical education intramural and inter-collegiate athletics.

673. PHYSIOTHERAPY. (3-0.) *Credit 3.* II. Theory and practice of massage; principles of selecting and giving corrective gymnastics. Prerequisites: Anatomy and physiology.

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. Advanced work is presented as fast 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. The selection and presentation of material for activities with emphasis upon methods, organization, and teaching techniques.

Special courses in Health Education are offered in the Graduate Curriculum which lead to a minor in the field. Such a program is prescribed only through special arrangements with the Coordinator of the health education curriculum.

## DEPARTMENT OF SOCIOLOGY

All students majoring in the Department of Sociology are required to complete twenty-four hours in Sociology together with thirty semester hours distributed over the following fields:

Philosophy .....	6 hours
Economics .....	6 hours
History* .....	9 hours
Political Science .....	6 hours
Geography .....	3 hours

## SUGGESTED ORDER AND COURSE SEQUENCE

### FRESHMAN YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
European History 113 .....	3	European History 123 .....	3
Europe, 1500-1815 .....		Europe 1815-1914 .....	
English 113 .....	3	English 123 .....	3
Grammar Composition .....		Reading and Composition .....	
Natural Science 113 .....	3	Natural Science 123 .....	3
College Science .....		College Science .....	
Mathematics 113 .....	3	Mathematics 123 .....	3
College Algebra .....		College Algebra .....	
Education 103 .....	3	Geography .....	3
Orientation .....		Military Science 121 (Men)	
Military Science 111 (Men)		Basic, or	
Basic, or		Physical Education 121 (Women).....	1
Physical Education 111 (Women) .....	1	Freshman Practice .....	
Freshman Practice .....		Industry 120 .....	
Industry 110 .....			

15 or 16

15 or 16

## SOPHOMORE YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Foreign Language 113	3	Foreign Language 123	3
Elementary French or Elementary Spanish		Elementary French or Elementary Spanish	
History 213	3	Political Science 263	3
The United States Education 223	3	American National Government Sociology 223	3
Problems of the Rural Teacher		Introductory Sociology	
Sociology 213	3	Sociology 243	3
Introductory Sociology		Rural Planning	
Economics 213	3	Economics 223	3
Principles of Economics		Principles of Economics	
Military Science 211		Military Science 221	
Basic, or		Basic, or	
Physical Education 211	1	Physical Education 221	1
Sophomore Practice		Sophomore Practice	
	<hr/>		<hr/>
	15 or 16		15 or 16

## JUNIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Foreign Language 213	3	Foreign Language 223	3
Reading and Grammar Review (French)		Reading and Grammar Review (French)	
Advanced Grammar and Reading (Spanish)		Advanced Grammar and Reading (Spanish)	
Sociology 223	3	Pol. Sci. 203	3
Race Relations		American State Government	
Education 113	3	Elective	3
Introduction to Education		Sociology 573	3
English 213	3	Social Statistics	
Public Speaking		Sociology 503	3
Philosophy 303	3	Social Theory	
Philosophies of Life		Military Science 323	
Military Science 313		Advance	
Advance			
	<hr/>		<hr/>
	15		15

## SENIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Education 406	6	English 223	3
Practice Teaching		World Literature	
Education 383	3	Elective	3
Psychology Educational		Physical Ed. Theory 223	3
History 463	3	Introduction of Physical Ed.	
History of the Negro in America		Elective	3
Sociology 563	3		
Social Research			
Military Science 413		Military Science 423	
Advance		Advance	
	<hr/>		<hr/>
	15		15

## DESCRIPTION OF COURSES

## SOCIOLOGY

213. INTRODUCTORY TO 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 Soc. 213; institutional structure and function, fundamentals 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. Prerequisites: Soc. 233.

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: Soc. 213 and 223.

303. THE FAMILY. (3-0.) *Credit 3.* I or II. Nature and development of family; marital choice and adjustment and crisis in family life. Points of view in recent literature.

333. SOCIAL PSYCHOLOGY. (3-0.) *Credit 3.* I. Personality development through personal-social and cultural-social conditioning; larger group relationship. Prerequisites: Soc. 213 and 223. Open to graduate students by special permission.

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.

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.

403. INTRODUCTION TO SOCIAL CASE WORK. (3-0.) *Credit 3.* I and II. Purposes, problems, and processes of case work; relationship of individual and social worker.

423. INTRODUCTION TO SOCIAL GROUP WORK. (3-0.) *Credit 3.* I or II. Analysis of group work processes; group behavior, individual development, and leadership techniques. Prerequisites: Soc. 403.

500. FIELD WORK SUPERVISION. (3-0.) *Credit 0.* II. Actual field work experience with established social agencies where social work techniques previously learned can be applied. Open only to senior sociology majors.

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.

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. Prerequisite: 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. Prerequisites: College algebra.

603. PROBLEMS OF CHILD WELFARE. (3-0.) *Credit 3.* I or II. Problems of child welfare care; social movements and social agencies dealing with child care are studied. Prerequisites: Sociology 403 and 503.

713. RURAL COMMUNITY ORGANIZATION. (3-0.) *Credit 3.* I or II. Techniques of community delineation; organization for community welfare; and emphasis of interdependence of rural and urban areas. Open to graduate students only.

723. ADVANCED SOCIAL STATISTICS. (3-0.) *Credit 3.* I or II. Deductive and inductive statistical methods; sampling, probability, partial and multiple correlation, variance, and special population techniques. Prerequisites: Sociology 573 and graduate standing.

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, 223.

## DEPARTMENT OF MILITARY SCIENCE AND TACTICS

COL. WEST A. HAMILTON, *Commandant*

The Reserve Officers' Training Corps at this institution is established as a Senior Division Unit, Class CC (Civil College) under the provision of the National Defense Act of 1920 as amended. Instruction is Branch Immaterial and is conducted in accordance with programs prescribed by the War Department.

Training on the Freshman and Sophomore level is called the Basic 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 Basic Course should qualify the student 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 basic course or who are veterans with a year or more of military service. They are selected by the Dean and the Professor of Military Science and Tactics. Instruction in the advanced course is conducted on the level of the Officer Candidate with the view of preparing the student for eligibility to a Reserve Commission as a Second Lieutenant.

Students enrolled in the advanced courses are entitled to commutation of subsistence at a rate prescribed by the Secretary of War. Based on the present cost of the garrison ration for the Army, this would be more than \$24.00 per month. This amount is computed from an average of seventy-nine cents (\$.79) per day. Advanced students are required to spend one summer in camp at \$75.00 per month, basic salary.

## COURSES OFFERED IN MILITARY SCIENCE AND TACTICS

## BASIC COURSE

111, 121. (3-2.) *Credit 1.* I and II. Theoretical—National Defense Act and ROTC; Hygiene and First Aid; Military Organization; Practical—Individual Weapons and Marksmanship; Maps and Aerial Photographs; Leadership Drill and Exercise of Command.

211 and 221. (3-2.) *Credit 1.* I and II. Theoretical—Evolution of Warfare; Military Law and Boards; Military Administration. Practical—Leadership, Drill and Exercise of Command; Physical Development Methods; Maps and Aerial Photographs; Leadership Drill and Exercise of Command.

## ADVANCED COURSE

313, 323. (4-2.) *Credit 3.* I and II. Theoretical—Military Law; Administration; Motor Maintenance; Organization; Military Team; Geographical Foundations of National Power; Military Leadership; Psychology and Personnel Management. Practical—Adjustment of Fire; Automatic Weapons; Introduction to Crew Served Weapons; Combat Orders; Communications; Fire Control Instruments; Methods of Instruction; Troop Movement; Leadership and Exercise of Command; Drill Ceremonies and Inspections.

414, 424. (4-2.) *Credit 3.* I and II. Theoretical—Military Problems of United States; Military Leadership; Command and Staff; Military Teaching Methods; Psychological Warfare; Military Mobilization and Demobilization; Combat Intelligence; Supply and Maintenance; Troop Movements. Practical—Leadership; Drill and Exercise of Command; Tactics and Techniques; Communications; New Developments; Advanced Gunnery.

## DIVISION OF HOME ECONOMICS

The Division of Home Economics aims to give training for home-making 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 specialize should consult the Director of the Division.

The Division of Home Economics offers some opportunities for graduate study. The bulletin of the graduate Division gives full information concerning requirements and nature of the work.

The Division of Home Economics offers courses dealing with foods and nutrition, textiles, clothing and design, the house and home, care and training of children, and management. These courses along with others in the sciences, both natural, and social, mathematics, English, education, are arranged into a curriculum that is 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 proficient in one phase of Home Economics in preparation for a career other than teaching.
4. Those who wish to become teachers of homemaking in High School, or some phase of Home Economics in College.
5. Graduate students who wish to take refresher work, or who are candidates for a master's degree.

### REQUIREMENTS FOR GRADUATION

To receive the degree of Bachelor of Science in Home Economics a student must complete 128 semester hours, with an average of C, or a standing of one grade point.

## CURRICULUM IN HOME ECONOMICS

### FRESHMAN YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 113	3	English 123	3
Grammar and Composition		Composition	
Chemistry 114	4	Chemistry 124	4
Inorganic		Inorganic and Qualitative Analysis	
Home Economics 113	3	Education 113	3
Orientation		Introduction to Education	
Mathematics 173	3	Clothing 123	3
Elements of Applied Math.		Textiles and Clothing, or	
Clothing 113	3	Art 112	2
Textiles and Clothing, or		Elementary Design	
Art 112	2	Mathematics 183	3
Elementary Design		Elements of Applied Math.	
Physical Education 111	1	Physical Education 121	1
Freshman Practice		Freshman Practice	
	16 or 17		16 or 17



## SOPHOMORE YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Elective*	3	Elective*	3
Education 233	3	Chemistry 244	4
Elementary Methods		Elementary Physiological	
Foods 213	3	Education 223	3
Elementary Nutrition		Problems of the Rural Teacher	
Mechanic Arts 233	3	Foods 223	3
Household Mechanics		Foods Problems	
House 313	3	Clothing 223	3
Household Administration		Children's Clothing	
Physical Education 211		Physical Education 221	
Sophomore Practice	—	Sophomore Practice	—
	15		16

## JUNIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Education 293	3	English 243**	3
Classroom Management		Public Address	
Economics 203	3	Home Economics Education 363	3
Survey of Economics		Special Methods	
English 233**	3	Sociology 323	3
Public Address		The Family	
Biology 304	4	Foods 323	3
Physiology for HE Students		Meal Planning and Prep.	
Clothing 323	3	Political Science 203	3
Dressmaking		State Government	
Political Science 263	3		—
National Government	—		15
	19		

## SENIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Home Economics Education 401	1	Foods 413	3
Problems		Advanced Nutrition	
Home Economics Education 403	3	Foods 423	3
Student Teaching		Nutrition Problems	
House 403	3	History 403	3
Supervised Home Management		Negro History	
Parental Education 413	3	House 463	3
Child Guidance		Home Economics Ag.	
Parental Education 403	1	Electives	
Nursery School Observation		Education 383	3
Clothing 413	3	Educational Psychology	
Advanced Clothing Problems		Par. Education 422	2
Education 353	3	Home Nursing	
Adolescent Psychology	—	Clothing 312	2
	17	Costume Design	—
			19

## DESCRIPTION OF COURSES

## FOODS AND NUTRITION

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. PROBLEMS, FOODS. (2-2.) *Credit 3.* II. Basic principles of food preparation and preservation; application of these principles as they relate to commonly used foods in an adequately balanced diet.

\* Students who expect to go into Dietetics should elect Biology 334.

\*\* English may be taken in Sophomore year if desired.

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.

413. ADVANCED NUTRITION. (1-4.) *Credit 3. I.* Principles of normal human nutrition and application to practical feeding problems of the individual and large groups.

423. NUTRITION PROBLEMS. (1-4.) *Credit 3. II.* Metabolic processes of the body in normal and diseased conditions; correlating metabolic changes; planning, calculation and preparation of diet.

#### ART

112. ELEMENTARY DESIGN. (0-4.) *Credit 2. I or II.* Art Principles and their application to home problems.

#### CLOTHING

113, 123. CLOTHING. (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 so designing of the various items. Experience in judging, improving, and caring for basic garments in personal and family wardrobes and in improving personal standards in relation to clothing consumption.

223. CHILDREN'S CLOTHING. (1-4.) *Credit 3. I or II.* Selection and constructions of garments—infants and young children.

312. COSTUME. (0-4.) *Credit 2. I or II.* Analysis of physical and mental makeup followed by study of costume colorline and texture for the individual and costume needs; original costumes planned. Elective.

323. CLOTHING. (1-4.) *Credit 2. I or II.* Principles underlying the use of patterns, and the construction and fitting of garments; experience in applying these principles.

413. ADVANCED CLOTHING PROBLEMS. (1-4.) *Credit 3. I and II.* Emphasize individuality in costume; designing, modeling and draping with the use of dress forms. Prerequisite: Clothing 323.

#### PARENTAL EDUCATION

401. NURSERY SCHOOL OBSERVATIONS. (0-2.) *Credit 1. I or II.* Observations of preschool children and participation in the nursery school activities; meetings with parents.

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 development, physical, mental, social and emotional.

422. HOME NURSING. (2-0.) *Credit 2. II.* Personal and family health problems in homes.

#### HOUSE

313. HOUSEHOLD ADMINISTRATION. (3-0.) *Credit 3. I.* Present day housing; health, safety, economy, convenience, aesthetic qualities, and other values of concern to the family; equipping and furnishing the home; art related to home furnishing; economic and social factors.

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' duration.

463. HOUSE. (See Description in Agriculture Division.)

#### HOME ECONOMICS EDUCATION

363. SPECIAL METHODS. (3-0.) *Credit 3. I and II.* Curriculum, methods of teaching, management, and other problems of the home-making teacher.

\*403. STUDENT TEACHING. (1-14.) *Credit 3. I and II.* Supervised teaching of homemaking in schools for a period of 9 weeks.

\*401. PROBLEMS. (0-2.) *Credit 1. I and II.* Required of students pursuing Home Economics Education 403. Problems in teaching home-making and related subjects.

\* Not offered in the Summer Session.

## DIVISION OF MECHANIC ARTS

C. L. WILSON, *Director*

The Division of Mechanic Arts offers many opportunities to students to help them prepare to meet the demands of Industry for leaders and skilled workmen in the various technical professions and vocations. In addition to the professional courses, and those designed to prepare skilled workmen, the Division 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 Director of the Division.

Vocational and Technical Programs are available in the following fields:

Automobile Mechanics	Painting and Decorating
Broom and Mattress Making	Plumbing and Steam Fitting
Carpentry and Cabinet Making	Printing and Linotype Operation
Cleaning and Pressing	Radio Repair and Maintenance
Electrical Maintenance and Repair	Sheet Metal Work
Laundering	Shoe Repairing
Machine Tool Work	Stationery Engineering
Masonry	Tailoring and Garment Making
	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 as 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 any 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, high schools and trade schools; also, to give some technical training and experience in shop work and drafting preparatory to entering industrial shops. Upon completion of the course the student will receive a certificate valid in any high school or other public school in the state.

#### 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.

Persons who complete the two-year Technical Courses as outlined with college credit in English and Mathematics may qualify for the Bachelor of Science Degree in Mechanic Arts by satisfactorily completing the following additional courses. A total of 135 semester hours are required for graduation.

Subject	Semester Hours	Credit
Chemistry	10	10
Physics	10	10
English	6	6
Education	18	18
Political Science	6	6
Economics	3	3
History	3	3
Technical Electives	6	6
Engineering Materials	3	3
Non-Technical Electives	6	6
<b>Total</b>	<b>71</b>	<b>71</b>

## 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 will be admitted by the Director of the Division who will see to the arrangement of their courses. Special students are understood to be applicants who desire to undertake special study

## SPECIAL STUDENTS

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 good reason for not entering regularly.

## 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:

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

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

## GRADUATION REQUIREMENTS

The requirements for graduation from the Division of Mechanic Arts 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

## FRESHMAN YEAR\*\*\*

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Mathematics 113 .....	3	Mathematics 213 .....	3
College Algebra .....	3	Analytical Geometry .....	3
Mathematics 123 .....	3	English 123 .....	3
Trigonometry .....	3	Reading and Composition .....	3
Chemistry 114 .....	4	Chemistry 144 .....	4
Inorganic Chemistry .....	4	Inorganic Chemistry .....	4
Engineering Drawing 113 .....	3	Engineering Drawing 122 .....	2
General Engineering 111 .....	1	Descriptive Geometry .....	2
Engineering Lectures .....	1	General Engineering 122 .....	2
English 113 .....	3	Problems and Slide Rule .....	2
Grammar and Composition .....	3	Woodwork 112 .....	2
Military Science 111 .....	1	General Engineering 121 .....	1
	18	Engineering Lectures .....	1
		Military Science 121 .....	1
			18

\* Students having only 1 unit 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.

\*\*\* Freshman Year is the same for all four-year curricula in Engineering.

## ARCHITECTURAL ENGINEERING

## SOPHOMORE YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Mathematics 224	4	Mathematics 314	4
Differential Calculus		Integral Calculus	
Physics 215	5	Physics 225	5
General Physics		General Physics	
English 213	3	English 223	3
Public Discussion		Composition and Literature	
Architecture 213	3	Architecture 223	3
Elements of Architecture I		Elements of Architecture II	
Architecture 212	2	Architecture 222	2
Freehand Drawing		Freehand Drawing	
Military Science 211	1	Military Science 221	1
	18		18

## JUNIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Civil Engineering 213	3	Civil Engineering 262	2
Engineering Materials		Elementary Surveying	
Civil Engineering 313	3	Civil Engineering 343	3
Applied Mechanics—Statics		Strength of Materials	
Architecture 313	3	Political Science 203	3
Architectural Design		State Government	
Architecture 372	2	Architecture 362	2
Mechanical Equipment		Working Drawings	
Political Science 263	3	Architecture 343	3
National Government		History of Architecture	
Architecture 333	3	Architecture 383	3
History of Architecture		Building Construction	
	17	Architecture 323	3
		Architectural Design	
			19

## SENIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Civil Engineering 413	3	Sociology 213	3
Reinforced Concrete		Introduction to Sociology	
History 4X3	3	Mechanical Engineering 463	3
Negro History		Industrial Management	
Economics 213	3	Architecture 443	3
Principles of Economics		Architectural Design	
Civil Engineering 353	3	Civil Engineering 341	1
Structural Stresses		Strength of Materials Lab.	
Architecture 452	2	Mechanical Engineering 424	4
Architectural Practice		Heating, Ventilation and Air Conditioning	
Architecture 410	0	Civil Engineering 414	4
Inspection Trip		Structural Design	
Architecture 433	3		18
Architectural Design			
Civil Engineering 461	1		
Graphic Statics			
	18		

Number of hours required for graduation 144



## CIVIL ENGINEERING

## SOPHOMORE YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 213 .....	3	English 223 .....	3
Public Discussion .....		Composition and Literature .....	4
Mathematics 224 .....	4	Mathematics 314 .....	4
Differential Calculus .....		Integral Calculus .....	5
Physics 215 .....	5	Physics 225 .....	5
General Physics .....		General Physics .....	
Civil Engineering 262 .....	2	Civil Engineering 283 .....	3
Elementary Surveying .....		Topographic Survey (Mapping) .....	2
General Engineering Drawing 212 .....	2	Machine Shop 222 .....	2
Engineering Drawing II .....		Machine Tool Work .....	1
Mechanical Engineering 211 .....	1	Military Science 221 .....	1
Pattern Making, Foundry and Welding .....			18
Military Science 211 .....	1		
	18		

## JUNIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Civil Engineering 313 .....	3	Political Science 203 .....	3
Applied Mechanics I .....		Civil Engineering 343 .....	3
Business Administration 213 .....	3	State Government .....	
General Economics .....		Civil Engineering 323 .....	3
Civil Engineering 213 .....	3	Strength of Materials Lab. .....	
Engineering Materials .....		Civil Engineering 383 .....	3
Political Science 2X3 .....	3	Route Surveying .....	
National Government .....		Civil Engineering 363 .....	3
Civil Engineering 353 .....	3	Structural Analysis .....	
Structural Stresses .....		Civil Engineering 311 .....	1
Civil Engineering 373 .....	3	Hydraulics Laboratory .....	
Hydraulics .....			16
	18		

## SENIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Civil Engineering 412 .....	2	Civil Engineering 422 .....	2
Water Supply .....		Sewerage .....	
Civil Engineering 414 .....	4	Civil Engineering 424 .....	4
Structural Design .....		Structural Design .....	
Electrical Engineering 413 .....	3	Electrical Engineering 423 .....	3
D. C. Apparatus .....		A. C. Apparatus .....	
History 4X3 .....	3	Mechanical Engineering 463 .....	3
Negro History .....		Industrial Management .....	
Elective .....	3	Sociology 223 .....	3
Civil Engineering 413 .....	3	Race Relations .....	
Reinforced Concrete .....		Mechanical Engineering 423 .....	3
	18	Heat Engineering .....	
			18

Number of hours required for graduation 142.

## ELECTRICAL ENGINEERING

## SOPHOMORE YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 213 .....	3	English 223 .....	3
Public Discussion .....		Composition and Literature .....	4
Mathematics 224 .....	4	Mathematics 314 .....	4
Differential Calculus .....		Integral Calculus .....	5
Physics 215 .....	5	Physics 225 .....	5
General Physics .....		General Physics .....	
Civil Engineering 262 .....	2	Machine Shop 112 .....	2
Elementary Surveying .....		Machine Tool Work .....	
General Engineering Drawing 212 .....	2	Business Administration 213 .....	3
Engineering Drawing II .....		General Economics .....	
Mechanical Engineering 211 .....	1	Mechanical Engineering 221 .....	1
Pattern Making, Foundry and Welding .....		Pattern Making, Foundry and Welding .....	
Military Science 211 .....	1	Military Science 221 .....	1
	18		18

JUNIOR YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
Civil Engineering 313	.....	3	Civil Engineering 323	.....	3
Applied Mechanics	.....		Applied Mechanics	.....	
Political Science 2X3	.....	3	Mathematics 423	.....	3
National Government	.....		Differential Equations	.....	
Civil Engineering 213	.....	3	Civil Engineering 343	.....	3
Engineering Materials	.....		Strength of Materials	.....	
Civil Engineering 373	.....	3	Civil Engineering 341	.....	1
Hydraulics	.....		Strength of Materials Lab.	.....	
Electrical Engineering 313	.....	3	Sociology 223	.....	3
Introduction to Circuit Analysis	.....		Race Relations	.....	
Elective	.....	3	Political Science 203	.....	3
		—	State Government	.....	
		18	Elective	.....	2
					18

SENIOR YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
Electrical Engineering 410	.....	0	Electrical Engineering 483	.....	3
Inspection Trip	.....		Radio Communication Apparatus	.....	
Electrical Engineering 413	.....	3	Electrical Engineering 423	.....	3
D. C. Apparatus	.....		A. C. Apparatus	.....	
Electrical Engineering 433	.....	3	Electrical Engineering 443	.....	3
Electrical Engineering Lab.	.....		Electrical Engineering Lab.	.....	
Electrical Engineering 453	.....	3	Electrical Engineering 462	.....	2
Wiring and Illumination	.....		Electrical Design	.....	
History 4X3	.....	3	Mechanical Engineering 423	.....	3
Negro History	.....		Heat Engineering	.....	
Business Administration 213	.....	3	Mechanical Engineering 463	.....	3
Principles of Economics	.....		Industrial Management	.....	
Electrical Engineering 472	.....	2			—
Introduction to Applied Electronics	.....				17
		17			

Number of hours required for graduation 143.

OPTION IN ELECTRICAL COMMUNICATIONS

SENIOR YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
Electrical Engineering 410	.....	0	Electrical Engineers 423	.....	3
Inspection Trip	.....		A. C. Apparatus	.....	
Electrical Engineering 413	.....	3	Electrical Engineering 443	.....	3
D. C. Apparatus	.....		Electrical Engineering Lab.	.....	
Electrical Engineering 433	.....	3	Mechanical Engineering 463	.....	3
Electrical Engineering Lab.	.....		Industrial Management	.....	
History 4X3	.....	3	Electrical Engineering 483	.....	3
Negro History	.....		Radio Communication Apparatus	.....	
Business Administration 353	.....	3	Electrical Engineering 463	.....	3
Principles of Economics	.....		Principles of Electrical Communication	.....	
Electrical Engineering 473	.....	3	Electrical Engineering 4X3	.....	3
Principles of Electrical Communication	.....		Electrical Communication Lab.	.....	
Electrical Engineering 493	.....	3			—
Electrical Communication Laboratory	.....				18
		—			
		18			

Number of hours required for graduation in Communications Option 147.

## INDUSTRIAL EDUCATION

## FRESHMAN YEAR

First Semester		Hrs.	Second Semester		Hrs.
Mathematics 113	.....	3	Mathematics 123	.....	3
College Algebra	.....		Trigonometry	.....	3
English 113	.....	3	Reading and Composition	.....	5
Grammar and Composition	.....		Chemistry 145	.....	5
Chemistry 115	.....	5	Inorganic Chemistry	.....	
Inorganic Chemistry	.....		General Engineering Drawing 122	.....	2
General Engineering Drawing 113	.....	3	Descriptive Geometry	.....	2
Engineering Drawing I	.....		Painting 112	.....	2
Woodwork 112	.....	2	Elementary Painting	.....	
Fundamentals of Woodwork	.....		Masonry 122	.....	2
General Engineering 111	.....	1	General Masonry	.....	
Engineering Lectures	.....		Military Science 121	.....	1
Military Science 111	.....	1			
		<u>18</u>			<u>18</u>

## SOPHOMORE YEAR

First Semester		Hrs.	Second Semester		Hrs.
Physics 115	.....	5	Physics 125	.....	5
General Physics	.....		General Physics	.....	
Mathematics 213	.....	3	General Engineering Drawing 212	.....	2
Analytical Geometry	.....		Engineering Drawing II	.....	3
English 213	.....	3	English 303	.....	3
Public Speaking	.....		Advanced and Technical Writing	.....	
Education 113	.....	3	Civil Engineering 262	.....	2
Introduction to Education and Teaching	.....		Elementary Surveying	.....	3
Carpentry 113	.....	3	Education 293	.....	3
Elementary Carpentry	.....		Classroom Management	.....	
Military Science 211	.....	1	Machine Shop Practice 112	.....	2
		<u>18</u>	Elementary Machine Shop	.....	1
			Military Science 221	.....	1
					<u>18</u>

## JUNIOR YEAR

First Semester		Hrs.	Second Semester		Hrs.
Political Science 263	.....	3	Political Science 203	.....	3
American National Government	.....		American State Government	.....	
Business Administration 213	.....	3	Mechanical Engineering 212	.....	2
Principles of Economics	.....		Welding Engineering	.....	
Plumbing & Sheet Metal 132	.....	2	Education 333	.....	3
Elementary Sheet Metal	.....		Teaching High School Subjects	.....	
Civil Engineering 213	.....	3	Machine Shop Practice 223	.....	3
Engineering Materials	.....		Advance Machine Shop Practice	.....	
Architecture 313A	.....	3	Architecture 323A	.....	3
Architectural Design	.....		Architectural Design	.....	
Civil Engineering 315	.....	3	Civil Engineering 343	.....	3
Applied Mechanics—Statics	.....		Strength of Materials	.....	
Military Science 313	.....	0	Military Science 323	.....	0
		<u>17</u>			<u>17</u>

## SENIOR YEAR

First Semester		Hrs.	Second Semester		Hrs.
Industrial Education 323	.....	3	Education 406	.....	6
Methods of Teaching Ind. Education	.....		Observation & Practice Teaching	.....	
Mechanical Engineering 333	.....	3	Electricity 112	.....	2
Mechanism	.....		Elementary Electricity	.....	
Automobile Mechanics 112	.....	2	Mechanical Engineering 463	.....	3
Elementary Automobile Mechanics	.....		Industrial Management	.....	
Business Administration 463	.....	3	Education 383	.....	3
Business Law	.....		Educational Psychology	.....	
Education 373	.....	3	Mechanical Engineering 423	.....	3
Vocational Guidance	.....		Heat Engineering	.....	
Electrical Engineering 313A	.....	3	Military Science 423	.....	0
Principles of Electrical Engineering	.....				
Military Science 413	.....	0			
		<u>17</u>			<u>17</u>

Number of hours required for graduation 140.

MECHANICAL ENGINEERING

SOPHOMORE YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 213	3	English 223	3
Public Discussion		Composition and Literature	
Mathematics 224	4	Mathematics 314	4
Differential Calculus		Integral Calculus	
Physics 215	5	Physics 225	5
General Physics		General Physics	
Civil Engineering 262	2	Machine Shop 112	2
Elementary Surveying		Machine Tool Work	
General Engineering Drawing 212	2	Business Administration 213	3
Engineering Drawing II		General Economics	
Mechanical Engineering 211	1	Mechanical Engineering 221	1
Pattern Making, Foundry and Welding		Pattern Making, Foundry and Welding	
Military Science 211	1	Military Science 221	1
	18		19

JUNIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Civil Engineering 213	3	Civil Engineering 323	3
Engineering Materials		Dynamics	
Civil Engineering 313	3	Civil Engineering 343	3
Applied Mechanics—Statics		Strength of Materials	
Political Science 2X3	3	Political Science 203	3
National Government		State Government	
Mechanical Engineering 314	4	Mechanical Engineering 323	3
Thermodynamics		Heat Power Engineering	
Mechanical Engineering 333	3	Civil Engineering 341	1
Mechanism		Strength of Materials Lab.	
Elective	2	Mechanical Engineering 343	3
	18	Internal Combustion Engines	
		Elective	2
			18

SENIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Electrical Engineering 413	3	Electrical Engineering 423	3
D. C. Apparatus		A. C. Apparatus	
Electrical Engineering 431	1	Electrical Engineering 441	1
D. C. Laboratory		A. C. Laboratory	
Mechanical Engineering 414	4	Mechanical Engineering 424	4
Mechanical Engineering Design		Heating, Ventilating and Air Conditioning	
Mechanical Engineering 413	3	Mechanical Engineering 443	3
Mechanical Engineering Lab.		Power Plant Engineering	
Business Administration 353	3	Sociology 223	3
Principles of Economics		Race Relations	
Mechanical Engineering 410	0	Mechanical Engineering 463	3
Inspection Trip		Industrial Management	
History 4X3	3		
Negro History			
	17		17

Number of hours required for graduation 143.

## OUTLINE OF THE TWO-YEAR TECHNICAL COURSES

### AUTOMOBILE MECHANICS

#### FIRST YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
General Engineering Drawing 132	2	General Engineering Drawing 142	2
General Drawing I		General Drawing II	
*General Engineering 133	3	General Engineering 143	3
Relat'd Mathematics		Related Mathematics	
*English 103	3	English 1X3	3
English for Trade Students		English for Trade Students	
Auto Mechanics 112	2	Auto Mechanics 122	2
Auto Mechanics Theory		Auto Mechanics Theory	
Auto Mechanics 115	5	Auto Mechanics 125	5
Auto Mechanics Laboratory		Auto Mechanics Laboratory	
Military Science 111	1	Military Science 121	1
	16		16

#### SECOND YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
General Engineering 253	3	General Engineering 263	3
Business Management		Shop Management	
Machine Shop Practice 102	2	Machine Shop Practice 1X2	2
Welding		Elementary Machine Shop	
General Engineering 233	3	Auto Mechanics 222	2
Related Mathematics		Auto Mechanics Theory	
Auto Mechanics 212	2	General Engineering 243	3
Auto Mechanics Theory		Related Mathematics	
Auto Mechanics 215	5	Auto Mechanics 225	5
Auto Mechanics Laboratory		Auto Mechanics Laboratory	
Military Science 211	1	Military Science 221	1
	16		16

\* Students who plan to secure the B.S. Degree should take courses in Mathematics and English that carry college credits.

### BROOM AND MATTRESS MAKING

#### FIRST YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Elective	2	Elective	2
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 112	2	Broom and Mattress Making 122	2
Broom and Mattress Making Theory		Broom and Mattress Making Theory	
Broom and Mattress Making 115	5	Broom and Mattress Making 125	5
Broom & Mattress Making Laboratory		Broom & Mattress Making Laboratory	
Military Science 111	1	Military Science 121	1
	16		16

#### SECOND YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
General Engineering 253	3	General Engineering 263	3
Business Management		Shop Management	
Elective	2	Elective	2
General Engineering 233	3	General Engineering 243	3
Related Mathematics		Related Mathematics	
Broom and Mattress Making 212	2	Broom and Mattress Making 222	2
Broom and Mattress Making Theory		Broom and Mattress Making Theory	
Broom and Mattress Making 215	5	Broom and Mattress Making 225	5
Broom & Mattress Making Laboratory		Broom & Mattress Making Laboratory	
Military Science 211	1	Military Science 221	1
	16		16

## CARPENTRY

## FIRST YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
General Engineering Drawing 132	2	General Engineering Drawing 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 112	2	Carpentry 122	2
Carpentry Theory		Carpentry Theory	
Carpentry 115	5	Carpentry 125	5
Carpentry Laboratory		Carpentry Laboratory	
Military Science 111	1	Military Science 121	1
	<hr/>		<hr/>
	16		16

## SECOND YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
General Engineering 253	3	General Engineering 263	3
Business Management		Shop Management	
Architecture 242	2	Painting 1X2	2
Architectural Drafting		General Engineering 243	3
General Engineering 233	3	Related Mathematics	
Related Mathematics		Carpentry 222	2
Carpentry 212	2	Carpentry Theory	
Carpentry Theory		Carpentry 225	5
Carpentry 215	5	Carpentry Laboratory	
Carpentry Laboratory		Military Science 221	1
Military Science 211	1		<hr/>
	<hr/>		16
	16		

## DRAFTING\*

## FIRST YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
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 Drawing 106	6	Architecture 244	4
Industrial Drawing		Architectural Drawing	
Commercial Art 103	3	Commercial Art 1X3	3
Military Science 111	1	General Engineering Geometry 222	2
	<hr/>	Descriptive Geometry	
	16	Military Science 121	1
			<hr/>
			16

## SECOND YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
General Engineering 233	3	General Engineering 243	3
Related Mathematics		Related Mathematics	
General Engineering 253	3	General Engineering 263	3
Business Management		Shop Management	
General Engineering Drawing 213	3	General Engineering Drawing 223	3
Engineering Drawing II		General Engineering Drawing III	
Architecture 243	3	Architecture 263	3
Architectural Drafting		Architectural Drawing	
Civil Engineering 213	3	General Engineering Drawing 283	3
Engineering Materials		Drafting Room Management	
Military Science 211	1	Military Science 221	1
	<hr/>		<hr/>
	16		16

\* At the option of the student, emphasis may be placed on Architectural Drafting.

## DRY CLEANING

## FIRST YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Elective	2	Elective	2
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 112	2	Dry Cleaning 122	2
Dry Cleaning Theory		Dry Cleaning Theory	
Dry Cleaning 115	5	Dry Cleaning 125	5
Dry Cleaning Laboratory		Dry Cleaning Laboratory	
Military Science 111	1	Military Science 121	1
	<u>16</u>		<u>16</u>

## SECOND YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
General Engineering 253	3	General Engineering 263	3
Business Management		Shop Management	
Laundering 112	2	Tailoring 1X2	2
Elementary Laundering		Tailoring	
General Engineering 233	3	General Engineering 243	3
Related Mathematics		Related Mathematics	
Dry Cleaning 212	2	Dry Cleaning 222	2
Dry Cleaning Theory		Dry Cleaning Theory	
Dry Cleaning 215	5	Dry Cleaning 225	5
Dry Cleaning Laboratory		Dry Cleaning Laboratory	
Military Science 211	1	Military Science 221	1
	<u>16</u>		<u>16</u>

## ELECTRICITY

## FIRST YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
General Engineering Drawing 132	2	General Engineering Drawing 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 112	2	Electricity 122	2
Electrical Theory		Electrical Theory	
Electricity 115	5	Electricity 125	5
Electrical Laboratory		Electrical Laboratory	
Military Science 111	1	Military Science 121	1
	<u>16</u>		<u>16</u>

## SECOND YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
General Engineering 253	3	General Engineering 263	3
Business Management		Shop Management	
Electricity 132	2	Electricity 142	2
D C Motor-Generator Repair		A C Motor-Generator Repair	
General Engineering 233	3	General Engineering 243	3
Related Mathematics		Related Mathematics	
Electricity 212	2	Electricity 222	2
Electrical Theory		Electrical Theory	
Electricity 215	5	Electricity 225	5
Electrical Laboratory		Electrical Laboratory	
Military Science 211	1	Military Science 221	1
	<u>16</u>		<u>16</u>

LAUNDERING

FIRST YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
General Engineering Drawing 132	.....	2	General Engineering Drawing 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		
Laundrying 112	.....	2	Laundrying 122	.....	2
Laundrying Theory			Laundrying Theory		
Laundrying 115	.....	5	Laundrying 225	.....	5
Laundrying Laboratory			Laundrying Laboratory		
Military Science 111	.....	1	Military Science 121	.....	1
		<hr/>			<hr/>
		16			16

SECOND YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
General Engineering 253	.....	3	General Engineering 263	.....	3
Business Management			Shop Management		
General Engineering 233	.....	3	Tailoring 1X2	.....	2
Related Mathematics			Tailoring		
Laundrying 212	.....	2	General Engineering 243	.....	3
Laundrying Theory			Related Mathematics		
Laundrying 215	.....	5	Laundrying 222	.....	2
Laundrying Laboratory			Laundrying Theory		
Dry Cleaning 102	.....	2	Laundrying 225	.....	5
Dry Cleaning Laboratory			Laundrying Laboratory		
Military Science 211	.....	1	Military Science 221	.....	1
		<hr/>			<hr/>
		16			16

MACHINE SHOP

FIRST YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
General Engineering Drawing 132	.....	2	General Engineering Drawing 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 112	.....	2	Machine Shop 122	.....	2
Machine Shop Theory			Machine Shop Theory		
Machine Shop 115	.....	5	Machine Shop 125	.....	5
Machine Shop Laboratory			Machine Shop Laboratory		
Military Science 111	.....	1	Military Science 121	.....	1
		<hr/>			<hr/>
		16			16

SECOND YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
General Engineering 253	.....	3	General Engineering 263	.....	3
Business Management			Shop Management		
General Engineering Drawing 212	.....	2	Machine Shop 1X2	.....	2
Engineering Drawing II			Welding		
General Engineering 233	.....	3	General Engineering 243	.....	3
Related Mathematics			Related Mathematics		
Machine Shop 212	.....	2	Machine Shop 222	.....	2
Machine Shop Theory			Machine Shop Theory		
Machine Shop 215	.....	5	Machine Shop 225	.....	5
Machine Shop Laboratory			Machine Shop Laboratory		
Military Science 211	.....	1	Military Science 221	.....	1
		<hr/>			<hr/>
		16			16



## MASONRY

## FIRST YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
General Engineering Drawing 132	2	General Engineering Drawing 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 112	2	Masonry 122	2
Masonry Theory		Masonry Theory	
Masonry 115	5	Masonry 125	5
Masonry Laboratory		Masonry Laboratory	
Military Science 111	1	Military Science 121	1
	<u>16</u>		<u>16</u>

## SECOND YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
General Engineering 253	3	General Engineering 263	3
Business Management		Shop Management	
Architecture 242	2	Drawing 142	2
Architectural Drawing		General Drawing	
General Engineering 233	3	General Engineering 243	3
Related Mathematics		Related Mathematics	
Masonry 212	2	Masonry 222	2
Masonry Theory		Masonry Theory	
Masonry 215	5	Masonry 225	5
Masonry Laboratory		Masonry Laboratory	
Military Science 211	1	Military Science 221	1
	<u>16</u>		<u>16</u>

## PAINTING AND DECORATING

## FIRST YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
General Engineering Drawing 132	2	General Engineering Drawing 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	
Painting 112	2	Painting 122	2
Painting Theory		Painting Theory	
Painting 115	5	Painting 125	5
Painting Laboratory		Painting Laboratory	
Military Science 111	1	Military Science 121	1
	<u>16</u>		<u>16</u>

## SECOND YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
General Engineering 253	3	General Engineering 263	3
Business Management		Shop Management	
Commercial Art 103	3	Commercial Art 1X3	3
Elective	2	Elective	2
Painting 212	2	Painting 222	2
Painting Theory		Painting Theory	
Painting 215	5	Painting 225	5
Painting Laboratory		Painting Laboratory	
Military Science 211	1	Military Science 221	1
	<u>16</u>		<u>16</u>

## PLUMBING

## FIRST YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
General Engineering Drawing 132	2	General Engineering Drawing 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 112	2	Plumbing 122	2
Plumbing Theory		Plumbing Theory	
Plumbing 115	5	Plumbing 125	5
Plumbing Laboratory		Plumbing Laboratory	
Military Science 111	1	Military Science 121	1
	16		16

## SECOND YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
General Engineering 253	3	General Engineering 263	3
Business Management		Shop Management	
Welding 102	2	Sheet Metal 1X2	2
Elementary Welding		General Engineering 243	3
General Engineering 233	3	Related Mathematics	
Related Mathematics		Plumbing 222	2
Plumbing 212	2	Plumbing Theory	
Plumbing Theory		Plumbing 225	5
Plumbing 215	5	Plumbing Laboratory	
Plumbing Laboratory		Military Science 221	1
Military Science 211	1		16
	16		

## PRINTING

## FIRST YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
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 172	2
Platen Presswork I		Platen Presswork II	
Printing 113	3	Printing 162	2
Graphic Arts Survey		Cylinder Presswork	
Printing 121	1	Printing 172	2
Color		Machine Composition	
Printing 132	2	Printing 111	1
Layout and Design		Lettering	
Printing 131	1	Printing 142	2
Binder Operations		Layout & Design	
Military Science 111	1	Military Science 121	1
	18		18

## SECOND YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Printing 252	2	Printing 262	2
Cylinder Presswork II		Cylinder Presswork III	
Printing 273	3	Printing 283	3
Machine Composition		Machine Composition	
Printing 232	2	Printing 231	1
Imposition and Lock-up		Machine Maintenance	
Printing 222	2	Printing 221	1
Typography III		Typography IV	
General Engineering 253	3	Printing 243	3
Business Management		Plant Management	
Elective	3	Elective	3
Military Science 211	1	Military Science 221	1
	16	Printing 292	2
		Printing Production	
			16

## RADIO

## FIRST YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
General Engineering Drawing 132	.....	2	General Engineering Drawing 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		
Radio 112	.....	2	Radio 122	.....	2
Radio Theory			Radio Theory		
Radio 115	.....	5	Radio 125	.....	5
Radio Laboratory			Radio Laboratory		
Military Science 111	.....	1	Military Science 121	.....	1
		<u>16</u>			<u>16</u>

## SECOND YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
General Engineering 253	.....	3	General Engineering 263	.....	3
Business Management			Shop Management		
Electricity 102	.....	2	Radio 222	.....	2
Electrical Appliances			Test Instruments		
General Engineering 233	.....	3	General Engineering 243	.....	3
Related Mathematics			Related Mathematics		
Radio 212	.....	2	Radio 222	.....	2
Radio Theory			Radio Theory		
Radio 215	.....	5	Radio 225	.....	5
Radio Laboratory			Radio Laboratory		
Military Science 211	.....	1	Military Science 221	.....	1
		<u>16</u>			<u>16</u>

## SHEET METAL

## FIRST YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
General Engineering Drawing 132	.....	2	General Engineering 122	.....	2
General Drawing			Descriptive Geometry		
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 112	.....	2	Sheet Metal 122	.....	2
Sheet Metal Theory			Sheet Metal Theory		
Sheet Metal 115	.....	5	Sheet Metal 125	.....	5
Sheet Metal Laboratory			Sheet Metal Laboratory		
Military Science 111	.....	1	Military Science 121	.....	1
		<u>16</u>			<u>16</u>

## SECOND YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
General Engineering 253	.....	3	General Engineering 263	.....	3
Business Management			Shop Management		
General Engineering Drawing 152	.....	2	General Engineering Drawing 222	.....	2
Sheet-Metal Drafting			Production Drafting		
General Engineering 233	.....	3	General Engineering 243	.....	3
Related Mathematics			Related Mathematics		
Sheet Metal 212	.....	2	Sheet Metal 222	.....	2
Sheet Metal Theory			Sheet Metal Theory		
Sheet Metal 215	.....	5	Sheet Metal 225	.....	5
Sheet Metal Laboratory			Sheet Metal Laboratory		
Military Science 211	.....	1	Military Science 221	.....	1
		<u>16</u>			<u>16</u>

## SHOE REPAIRING

## FIRST YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
Shoe Repair 102	.....	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 112	.....	2	Shoe Repair 122	.....	2
Shoe Repair Theory	.....		Shoe Repair Theory	.....	
Shoe Repair 115	.....	5	Shoe Repair 125	.....	5
Shoe Repair Laboratory	.....		Shoe Repair Laboratory	.....	
Military Science 111	.....	1	Military Science 121	.....	1
		<u>16</u>			<u>16</u>

## SECOND YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
General Engineering 253	.....	3	General Engineering 263	.....	3
Business Management	.....		Shop Management	.....	
Shoe Repair 202	.....	2	Shoe Repair 232	.....	2
Drafting	.....		Drafting	.....	
General Engineering 233	.....	3	General Engineering 243	.....	3
Related Mathematics	.....		Related Mathematics	.....	
Shoe Repair 212	.....	2	Shoe Repair 222	.....	2
Shoe Repair Theory	.....		Shoe Repair Theory	.....	
Shoe Repair 215	.....	5	Shoe Repair 225	.....	5
Shoe Repair Laboratory	.....		Shoe Repair Laboratory	.....	
Military Science 211	.....	1	Military Science 221	.....	1
		<u>16</u>			<u>16</u>

## TAILORING

## FIRST YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
Tailoring 132	.....	2	Tailoring 142	.....	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	.....	
Tailoring 112	.....	2	Tailoring 122	.....	2
Tailoring Theory	.....		Tailoring Theory	.....	
Tailoring 115	.....	5	Tailoring 125	.....	5
Tailoring Laboratory	.....		Tailoring Laboratory	.....	
Military Science 111	.....	1	Military Science 121	.....	1
		<u>16</u>			<u>16</u>

## SECOND YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
General Engineering 253	.....	3	General Engineering 263	.....	3
Business Management	.....		Shop Management	.....	
Tailoring 232	.....	2	Tailoring 242	.....	2
Drafting	.....		Drafting	.....	
General Engineering 233	.....	3	General Engineering 243	.....	3
Related Mathematics	.....		Related Mathematics	.....	
Dry Cleaning 102	.....	2	Dry Cleaning 1X2	.....	2
Dry Cleaning Laboratory	.....		Dry Cleaning Laboratory	.....	
Tailoring 215	.....	5	Tailoring 225	.....	5
Tailoring Laboratory	.....		Tailoring Laboratory	.....	
Military Science 211	.....	1	Military Science 221	.....	1
		<u>16</u>			<u>16</u>

## WELDING

FIRST YEAR			
<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
General Engineering Drawing 132	2	General Engineering Drawing 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 112	2	Welding 122	2
Welding Theory		Welding Theory	
Welding 115	5	Welding 125	5
Welding Laboratory		Welding Laboratory	
Military Science 111	1	Military Science 121	1
	<hr/> 16		<hr/> 16

SECOND YEAR			
<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
General Engineering 253	3	General Engineering 263	3
Business Management		Shop Management	
Machine Shop 112	2	Sheet Metal 112	2
Machine Shop Practice		Sheet Metal	
General Engineering 233	3	General Engineering 243	3
Related Mathematics		Related Mathematics	
Welding 212	2	Welding 222	2
Welding Theory		Welding Theory	
Welding 215	5	Welding 225	5
Welding Laboratory		Welding Laboratory	
Military Science 211	1	Military Science 221	1
	<hr/> 16		<hr/> 16

DESCRIPTION OF COURSES  
ARCHITECTURE*For Undergraduate Credit*

212-222. FREEHAND DRAWING. (0-6.) *Credit 2.* I and II. Drawing of plants and objects, and drawing from life in charcoal and pencil. The objective of this course is to train the student's eye and hand for application in architectural presentation and drawings.

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; and a study of Architectural Shades and Shadows.

242-243. ARCHITECTURAL DRAWING. (0-6.) (0-9.) *Credit 2, 3.* I. 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.

313-323. ARCHITECTURAL DESIGN. (0-9.) *Credit 3.* I and II. Continuation of Architecture 223.

313A-323A. ARCHITECTURAL DESIGN. (0-9.) *Credit 3.* I and II. Design of small buildings. Development of plan, based on definite requirements, fenestration, influence of materials and construction on design, and preparation of working drawings. Prerequisite: G. E. D. 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.

372. BUILDING EQUIPMENT. (2-0.) *Credit 2.* I. Plumbing, sanitation systems, mechanical and electrical equipment of buildings.

362. WORKING DRAWINGS. (0-6.) *Credit 2.* II. Preparing working drawings and specifications for a small building.

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 of the American Institute of Architects; office organization, client and contractor relationships.

*For Graduate Credit*

713-723. ADVANCED ARCHITECTURE. (0-9.) *Credit 3.* I and II. Advanced problems in Architectural design, with emphasis on 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

*For Undergraduate Credit*

213. ENGINEERING MATERIALS. (3-0.) *Credit 3.* I. Constituents, properties and manufacture of standard structural materials. Prerequisite: Chemistry 144.

262. 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. D. 222.

283. 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 262.

311. HYDRAULICS LABORATORY. (0-3.) *Credit 1.* II. Measurement of flow, friction in pipes, pumping and power. Prerequisite: Registration in Civil Engineering 313.

313. APPLIED MECHANICS—STATICS. (3-0.) *Credit 3.* I. Composition and resolution of forces; systems of forces in equilibrium; laws of fric-

tion; centers of gravity; moments of inertia; practical problems, to illustrate the application of theory to engineering. Three hours a week for one semester. Prerequisite: Physics 225.

323. APPLIED MECHANICS—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 of areas and rigid bodies; elementary problems in vibrations. Prerequisite: Civil Engineering 313.

332. TOPOGRAPHIC SURVEYING. (1-3.) *Credit 2.* 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 262.

341. STRENGTH OF MATERIALS LABORATORY. (0-3.) *Credit 1.* II. The testing of materials. Prerequisite: Registration in Civil Engineering, 343.

343. STRENGTH OF MATERIALS. (3-0.) *Credit 3.* II. 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.

353. STRUCTURAL STRESSES. (3-0.) *Credit 3.* I. Analysis of stresses in statically determinate structures. Prerequisite: Registration in Civil Engineering 313.

363. SOILS AND FOUNDATIONS. (3-0.) *Credit 3.* I. Physical properties of soil for foundations and the design and construction of foundations for pavements, bridges and buildings. Prerequisite: Civil Engineering 313.

373. HYDRAULICS. (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: C. E. 313.

383. ROUTE SURVEYING. (2-3.) *Credit 3.* II. Horizontal and 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 262-332.

410. INSPECTION TRIP. Non credit course; required of all seniors.

412. WATER SUPPLY ENGINEERING. (2-0.) *Credit 2.* I. Finances, hydraulics, demands, sources, reservoirs, pipe lines, pumping machinery, materials, distribution systems. Prerequisites: Civil Engineering 311, 312, 341, 343.

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. Three hours a week for one semester. Prerequisite: C. E. 343.

414. STRUCTURAL DESIGN. (2-6.) *Credit 4.* I. Theory of design and design of framed structures. Primarily building design. Prerequisite: Civil Engineering 353.

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 311, 312.

424. STRUCTURAL DESIGN. (2-6.) *Credit 4.* II. Continuation of Civil Engineering 414, devoted principally to bridges.

461. 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 353. Prerequisite: Civil Engineering 313.

*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 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.

*For Graduate Credit*

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.



## ELECTRICITY

*For Undergraduate Credit*

102. ELECTRICAL APPLIANCES. (0-6.) *Credit 2.* I. Construction, repair, maintenance and servicing electrical appliances.

112-122. ELEMENTARY ELECTRICITY. (0-6.) *Credit 2.* I, II. Fundamental principles of electricity and electrical machinery and construction, including simple wiring.

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, series parallel, and resonant circuits; polyphased circuits, balanced and unbalanced. The 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 alternating-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. Electric 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 measurements 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.

## ELECTRICAL ENGINEERING

*For Undergraduate Credit*

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 networks; electrostatic circuits; wave analysis. Prerequisite: Physics 215, 225; Math. 224, and registration in Mathematics 314.

313A. PRINCIPLES OF ELECTRICAL ENGINEERING. (3-0.) *Credit 3.* I. Prerequisite: Physics 225. The fundamental principles of direct-current and alternating-current circuits and machinery.

413. DIRECT CURRENT APPARATUS. (3-0.) *Credit 3.* I. Theory and characteristics of direct current apparatus. Prerequisite: Electrical Engineering 413, 433.

423. ALTERNATING CURRENT APPARATUS. (3-0.) *Credit 3.* II. Transformers, generators, motors, rotary converters, distributed inductance and capacity, transient phenomena. Prerequisite: Electrical Engineering 413, 433.

431-433. ELECTRICAL ENGINEERING LABORATORY. (0-3.) (2-3.) *Credit 1, 3.* I. Direct and alternating current circuits and instruments; operation and testing of direct current machines. Prerequisite: Registration in Electrical Engineering 413.

441-443. ELECTRICAL ENGINEERING LABORATORY. (0-3.) (2-3.) *Credit 1, 3.* II. To accompany Electrical Engineering 423. Prerequisite: Registration in Electrical Engineering 423.

454 WIRING AND ILLUMINATION. (3-3.) *Credit 4.* I. Fundamentals of commercial and industrial wiring and illumination practice. Prerequisite: Senior standing.

462. ELECTRICAL DESIGN. (2-0.) *Credit 2.* II. Electromagnets and dynamos, direct and alternating; transformers. Prerequisite: Senior standing in Electrical Engineering.

463. PRINCIPLES OF ELECTRICAL COMMUNICATIONS. (3-0.) *Credit 3.* II. Discussion of the propagation of voltage and current on transmission lines in the sinusoidal steady state; significant features of low and high frequency applications; properties of almost lossless line; impedance, transforming properties of lines; transmission line charts; use of line as a coupling networks and as resonators; introduction to the theory of wave filters and corrective networks: Prerequisite: Senior standing in Electrical Engineering.

472. INTRODUCTION TO APPLIED ELECTRONICS. (2-0) *Credit 2.* I. Fundamental principles of the design, operation, and application of electron devices. Prerequisites: Electrical Engineering 313.

473. PRINCIPLES OF ELECTRICAL COMMUNICATIONS. (3-0) *Credit 3.* I. Theory and applications of vacuum tubes and their associated circuits, as elements of communication systems, non linear operation of tubes, amplifiers, back systems, oscillators, amplitude and frequency

modulators, demodulators, converters, and power supplies. Cathode-ray tubes and circuits. Brief consideration of typical radio transmitters and receivers. Prerequisite: Senior standing in Electrical Engineering.

483. RADIO COMMUNICATION APPARATUS. (3-0) *Credit 3.* II. Fundamental circuits of and phenomena in radio communication apparatus. Measurement 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 473.

4X3. ELECTRICAL COMMUNICATIONS LABORATORY. (0-9.) *Credit 3.* II. Continuation of Electrical Engineering 493. Prerequisite: Electrical Engineering 473, 493.

*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.

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.

*For Graduate Credit*

743. ADVANCED ALTERNATING-CURRENT MACHINERY. (3-0.) *Credit 3.* I, II. Analysis of more intricate electrical problems met in the operation of alternating-current machinery.

763. ELECTRICAL ENGINEERING RESEARCH. (3-0.) *Credit 3.* I, II. Original investigation of special problems in the field of electrical engineering, the problem to be selected by the student with the approval of the Department.

GENERAL ENGINEERING

*For Undergraduate Credit*

111-121. ENGINEERING LECTURES. (1-0.) *Credit 1.* I, II. Both Semesters Freshman year. Designed to acquaint freshman engineers with fundamental principles of their profession and give a general survey of the

field. Presentation by students of reviews of articles appearing in the technical press and reports of engineering projects, industrial experiences and lectures by prominent men engaged in the profession.

122. PROBLEMS AND SLIDE RULE. (1-2.) Credit 2. II. Solution of simple engineering problems, instructions and practice in the use of the slide rule and instruction in the correct form of presenting problem work.

133-143. RELATED MATHEMATICS. (3-0.) Credit 3. I, II. Applied mathematics, designed especially for trade students.

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, and also inspection trips through theatre booths in the neighboring cities.

233-243. RELATED MATHEMATICS. (3-0.) Credit 3. I, II. Continuation of course 143 including applied problems involving algebra and trigonometry.

253. BUSINESS MANAGEMENT. (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 and use of various home appliances; the upkeep of household furnishings; fire protection, and minor repairs.

*For Graduate and Undergraduate Credit*

513. ADVANCED SHOP PRACTICE. (0-9.) Credit 3. I. Opportunity is offered to specialize, to a limited degree along such lines as heat treatment, machine tool work, welding, jig, fixtures, pattern making, and any shop work that may be of special interest to the student. All assignments must be approved by the Director of Mechanic Arts.

*For Graduate Credit*

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**

*For Undergraduate Credit*

106. INDUSTRIAL DRAWING. (0-18.) Credit 6. I. Technical sketching and mechanical drafting; graphic and pictorial drawings of build-

ing plans and mechanical equipment; blueprint reading; charts, graphs; and topographic drawing.

112. ENGINEERING DRAWING I. (0-6.) *Credit 2.* I. The use of drafting instruments, freehand gothic and roman lettering (vertical and inclined); introductory orthographic projection, isometric drawing, free-hand 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 designed to meet the needs of the individuals taking trade and industrial work.

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: G. E. D. 122.

213. ENGINEERING DRAWING. II. (1-6.) *Credit 3.* I. Review of orthographic projection; working drawings, isometric, oblique, prospective, 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 Drawing 213. Prerequisite: General Engineering Drawing 213.

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 Graduate and Undergraduate Credit*

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 double curved surfaces including the convolute and their developments. The fundamentals of perspective and other pictorial means of representation.

### INDUSTRIAL EDUCATION

#### *For Undergraduate Credit*

313. PRINCIPLES OF INDUSTRIAL EDUCATION IN SECONDARY SCHOOLS. (3-0.) *Credit 3.* I. Purpose and function of Industrial Education as it relates to High Schools. Industrial Arts as it relates to exploratory and

prevocational aims and Trade Education as it relates to Vocational aims, with reference to preparation for actual jobs, immediately after graduation from High School.

323. METHODS OF TEACHING INDUSTRIAL EDUCATION IN SECONDARY SCHOOLS. (3-0.) *Credit 3.* II. Most effective organization of equipment and economical ways of securing material as teaching aids, program planning, discipline, reports and records.

373. VOCATIONAL GUIDANCE IN SECONDARY EDUCATION. (3-0.) *Credit 3.* I, II. SS. Rise and development of the vocational guidance problems. A careful consideration of personnel functions and administration in education, in business and industry, and the preparation and classification of occupational information for use in guidance and placement in secondary education.

402. ORGANIZATION OF INDUSTRIAL MATERIAL. (2-0.) *Credit 2.* I. SS. Teachable content is organized from material obtained from occupational analysis. Lesson plans and job sheets are prepared.

412. COURSE MAKING. (2-0.) *Credit 2.* I, II. SS. Methods of outlining courses of study to meet the needs of the different types of classes. Each student will be required to complete a course of subjects in which he has had most experience.

462. AIMS AND OBJECTIVES OF VOCATIONAL EDUCATION. (2-0.) *Credit 2.* I, II. SS. Principles in underlying vocational education, types of vocational schools and classes, efficiency factors in vocational education, the Smith-Hughes Act and the Texas State Plan for Vocational Education, with special references to Industrial Education.

472. PROBLEMS IN TRAINING FOR DIVERSIFIED OCCUPATIONS. (2-0.) *Credit 2.* I, SS. Preparation of specific courses of study for the individual student in diversified occupations by means of occupational analysis.

483. PRACTICE TEACHING IN MECHANIC ARTS. (0-9.) *Credit 3.* I, II. SS. Observation and practice teaching of Industrial Arts and Trade subjects under supervision.

*For Graduate and Undergraduate Credit*

523. TESTS IN INDUSTRIAL SUBJECTS. (3-0.) *Credit 3.* I, II. SS. Acquaintance with such available tests of aptitude and achievements as are useful in Industrial Education; application of known techniques in remedial teaching to the work of shop and drawing teachers; critical evaluation and planning.

533. INDUSTRIAL OCCUPATIONS. (3-0.) *Credit 3.* I, II. SS. Growth and development of important industries, statistics, and consideration of the trends and opportunities in the various occupations.

543. TRADE ANALYSIS. (3-0.) *Credit 3.* I, II. SS. Basic methods of planning and making an analysis of a trade. Emphasis is placed upon the importance and value of trade analysis in teaching.

553. ORGANIZATION AND PRESENTATION OF INDUSTRIAL SUBJECTS. (3-0.) *Credit 3. I, II. SS.* Methods of arranging, introducing and teaching industrial subjects, so as to definitely meet the aims and objectives. Demonstration procedures, remedial teaching, order of arranging operational skills, methods of developing skills, etc., are included.

563. THE GENERAL SHOP. (3-0.) *Credit 3. I or II.* Purpose of the new General Shop organization; current practice as to type of shops, equipments, instructional materials and procedures, pupil personnel plans, etc.

573. HISTORY OF INDUSTRIAL EDUCATION. (3-0.) *Credit 2. II. SS.* Development of education as it relates to industry; various forms of Industrial Education in the early stages of history and periodic changes, during its development.

583. SOCIAL AND ECONOMIC FACTORS AFFECTING INDUSTRIAL EDUCATION. (3-0.) *Credit 3. I. SS.* Economic problems affecting industry, including the theories and labor, and management, and the problem of regards to stockholders, managing, employees and workman, production, organization and standards of efficiency in industry; with special emphasis on the economic results of efficient industrial education.

593. AIMS AND OBJECTIVES OF INDUSTRIAL ARTS. (3-0.) *Credit 3. I, II. SS.* Underlying principles, essential philosophy, objectives and functions of industrial arts education.

*For Graduate Credit*

723. TECHNIQUES OF TEACHING TRADES. (3-0.) *Credit 3. I. SS.* Teaching processes, methods of presentation and testing, lesson planning, organization for instruction.

733. CURRICULUM BUILDING IN INDUSTRIAL EDUCATION. (3-0.) *Credit 3. II. SS.* Organization of curricula for shop and related technical instruction in trade and industrial subjects.

743. PROBLEMS IN VOCATIONAL GUIDANCE. (3-0.) *Credit 3. I. SS.* Conflicts arising in vocations with regards to job opportunities; interests and abilities as well as opportunities for employment; advantages and disadvantages in vocations with regards to locations and methods of meeting and solving these problems.

753. VOCATIONAL GUIDANCE. (3-0.) *Credit 3. II. SS.* Principles and practices in aiding students to make educational and vocational adjustments; occupational studies; testing and records; group guidance, and follow up.

763. PROBLEMS IN VOCATIONAL GUIDANCE. (3-0.) *Credit 3. I. SS.* Administration and supervision of industrial education programs, including recent trends, critical evaluation of objectives, content, together with constructive suggestions of improving current practice.

## MECHANICAL ENGINEERING

*For Undergraduate Credit*

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; core-making; foundry layouts; and practice in moulding and casting both ferrous and non-ferrous metals. Lecture demonstrations on both gas and electric welding and the use of sound motion pictures in this field.

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 113, 123; 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 and study of microstructure and physical properties; hardenability, grain size testing, and machinability; heat treating operations as applied in production. Prerequisite: Mechanical Engineering 113, 123; sophomore standing.

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.

333. MECHANISM. (3-0.) *Credit 3.* I. Element of machinery with reference to the transmission of motion, and force, cams, gears; graphical construction; kinetics; balancing; and the arrangement in actual machines. Prerequisite: Mathematics 123.

351. PATTERN MAKING. (0-3.) *Credit 1.* I. Design and production of wood and metal patterns; core making. Prerequisite: General Engineering Drawing 223, Mechanical Engineering 113 and 123.

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.

343. INTERNAL COMBUSTION ENGINES. (3-0.) *Credit 3.* II. Fundamentals of internal combustion engines, including cycles capacity, efficiency, thermodynamics, combustion and operating conditions.

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 Drawing 223, junior

413. MECHANICAL ENGINEERING LABORATORY. (2-3.) *Credit 3.* I. Instruments and tests of steam prime movers, boilers, pumps, fans, in-  
standing.



ternal combustion engines, air compressors, air conditioning equipment, and flow of compressible media. Engineering reports.

414. MECHANICAL ENGINEERING DESIGN. (2-3.) *Credit 3.* II. Design of machinery subjected to heavy and variable stresses. Prerequisite: Civil Engineering 341 and 343; Mechanical Engineering 333.

423. HEAT ENGINEERING. (3-0.) *Credit 3.* II. Principles of thermodynamics, properties of gases, 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. (2-6.) *Credit 4.* II. Steam boilers and water heaters, direct and indirect heating, gravity systems, district heating, ventilation and air analysis, air conditioning. Prerequisite: Mechanical Engineering 413.

443. POWER PLANT ENGINEERING. (1-6.) *Credit 3.* II. Study and operation of the modern steam power plant. Prerequisite: Mechanical Engineering 413 and senior standing.

463. INDUSTRIAL MANAGEMENT. (3-0.) *Credit 3.* II. Problems of the industrial executive, such as 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, with particular reference to heat exchangers, air preheaters, economizers, evaporators, boilers and condensers. Transformation of heat and work.

*For Graduate Credit*

703. ADVANCED POWER PLANTS. (3-0.) *Credit 3.* I or II. Modern power plants including a study of the design and installation of high pressure boilers, economizers, air preheaters, modern fuel burning furnaces, and automatic combustion controls. The various steam cycles and types of auxiliary drive to show their effect on station heat balance; discussion of deaerators, evaporators, condensers, heater, etc., including turbine 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 and bearings.

733. **DYNAMICS OF MACHINERY.** (3-0.) *Credit 3. II.* Advanced dynamics of machinery with special reference to inertia effects, torque characteristics, fly-wheel 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.

## TRADES AND TECHNICAL COURSES

### AUTOMOBILE MECHANICS

#### *For Undergraduate Credit*

112-122; 115-125. **ELEMENTARY AUTO MECHANICS.** (0-6.) (0-15.) *Credit 2, 5. 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.

212-215. **PRACTICAL AUTO MECHANICS.** (0-6.) (0-15.) *Credit 2, 5, I.* Types of fuel, lubricants, motor tests and repairs; types of motors, clutches and brakes.

222-225. **ADVANCED AUTO MECHANICS.** (0-6.) (0-15.) *Credit 2, 5. II.* Types, installing and adjusting clutches; transmission, bearings and differentials; garage management.

### BROOM AND MATTRESS MAKING

#### *For Undergraduate Credit*

112-115. **ELEMENTARY BROOM AND MATTRESS MAKING.** (0-6.) (0-15.) *Credit 2, 5. I.* Instruction in the 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 in dozen lots.

122-125. **ADVANCED BROOM AND MATTRESS MAKING.** (0-6.) (0-15.) *Credit 2, 5. II.* Instruction in making large household brooms, warehouse brooms, the different types and styles of finishes, whisk brooms, ceiling or wall brooms; quantity and cost estimating; instruction in mop making. Instruction in the different kinds and grades of mattress ticking, cutting and making ticking for the full mattress, duofold

mattresses, day beds, and baby beds. Making of non-tack and sectional feather mattresses, making pillows and renovating mattresses.

212-215. ELEMENTARY MATTRESS MAKING. (0-6.) (0-15.) *Credit 2, 5.*  
I. Instruction in the names, use and care of mattress making tools and machines, measuring, cutting and making ticking for the 1-2, 2-3, and 3-4 mattresses.

222-225. BROOM AND MATTRESS MAKING II. (0-6.) (0-15.) *Credit 2, 5.*  
II. Continuation of courses 122 and 125.

#### CARPENTRY

112-115. ELEMENTARY CARPENTRY I. (0-6.) (0-15.) *Credit 2, 5, I.*  
Names, use and care of tools, lumbers and building materials. Joints, skill of hand in the performance of a number of jobs selected to embody good construction and design. Ability to analyze a problem into its learning units and to plan the procedure in the performance of a job. Building sites, laying off houses from blueprints, foundations, framing of sills, joists; board measure and problems in measurements and estimating.

122-125 ELEMENTARY CARPENTRY II. (0-6.) (0-15.) *Credit 2, 5, II.*  
Use and care of woodworking machines. Advanced jobs requiring skill of hand. House framing continued. Brace and balloon framing, advantages and disadvantages of each, rafter cutting and methods of laying out various pitches.

212-215. ADVANCED CARPENTRY I. (0-6.) (0-15.) *Credit 3, 5, I.*  
Production methods in the use of power machinery. Furniture construction with modern adaptations. Hanging doors and windows, built-in cabinets and wood turning.

222-225. ADVANCED CARPENTRY II. (0-6.) (0-15.) *Credit 3, 5, II.*  
Weather-boarding and sheathing, window and door frames. Hardware, use and application, construction built-in cabinets, estimating complete cost of building, stair construction. Finishing the inside of the house and study of related trades.

#### DRY CLEANING

112-115, 122-125. DRY CLEANING AND PRESSING. (0-6.) (0-15.) *Credit 2, 5, I.*  
A study is made of fancy spotting, silk finishing, specialty cleaning, the clarification process, bleaching, dyeing, stripping and sizing. Techniques of shop management and plant lay-out are also emphasized.

212-222, 215-225. **ADVANCED DRY CLEANING AND PRESSING.** (0-6.) (0-15.) *Credit 2, 5.* II. Continuation of above courses including a study of fabric and special methods of cleaning, dyeing, and pressing.

#### LAUNDERING

112-115, 122-125. **ELEMENTARY LAUNDERING I.** (0-6.) (0-15.) *Credit 2, 5.* I. Ironing laundry terms and usage. Care and operation of mangle; checking in, checking out, marking, separating, and wrapping. Starch making, soap solution and bleaching agents. Finishing, flat work, starch work, pleated work, shirts, colors and uniforms; care and operation of marking machines, washing silks, flannels and woolens; care and operation of drying machines.

212-215, 222, 225. **ELEMENTARY LAUNDERING. II.** (0-6.) (0-15.) *Credit 2, 5.* II. Various kinds of cleaning solutions, pressers, types of mechanism, care and operation of pressers, types of mechanism, care and protection of dry cleaning machines; pressing silk dresses, woolen dresses, woolen suits and ties. Laundry bookkeeping and management.

#### MACHINE SHOP PRACTICE

112. **ELEMENTARY MACHINE SHOP PRACTICE.** (0-6.) *Credit 2.* I. Care and use of tools, laying out work, cutting, filling, and drill press work. Care and use of tools, lathe turning, drill press and shaper work.

122. **INTERMEDIATE MACHINE SHOP PRACTICE.** (0-6.) *Credit 2.* II. Designing and turning irregular surfaces, designing and cutting gears and reamers. Grinding and finishing work.

115-125. **METALWORK.** (0-15.) *Credit 5.* I or II. Use and application of machine tools. Includes laying-out work, filing, scraping, machine parts, drilling, reaming, counterboring and tapping, tool grinding, straight and taper turning, screw cutting, milling, cylindrical and surface grinding and chucking. Special attention to the cutting angles and adjustments of cutting angles and adjustments of cutting tools and cutting speeds for each material worked.

132-135. **WELDING.** (0-6.) (0-15.) *Credit 2, 5.* I and II. Theory and practice of oxyacetylene and arc welding.

212. **PRACTICAL MACHINE SHOP PRACTICE.** (0-6.) *Credit 2.* Lathe turning, shaping, planing and polishing work.

215-225. **ADVANCED MACHINE SHOP PRACTICE.** (0-15.) *Credit 5.* II. Lathe study, counter sinking, setting up work in lathe, plain turning and tool grinding. Thread cutting-right and left hand threads. Check and mandrel work, taper turning, boring in lathe, boring to dimensions. The planer, setting up work and planing to dimensions. The milling machine, a thorough study of the index head, milling square surfaces, hexagon surfaces, etc., milling keyways for plain and wood-ruff keys. Gear cutting, spur gears, miter gears, etc. Practice jobs involving the use of drill, planer, shaper, lathe and miller.

**MASONRY***For Undergraduate Credit*

102-132. **GENERAL MASONRY.** (0-6.) *Credit 2.* I and II. Designed to give students, by means of sketches, and blueprints, a theoretical knowledge of Masonry, Plastering, and Concrete Work; a thorough historical knowledge along with mathematics as applied to the various trades.

112-122. **GENERAL MASONRY.** (0-6.) *Credit 2.* I and II. Study and practice with the various tools and materials needed for different types of plaster, brick, or concrete jobs.

115-125. **ELEMENTARY PLASTERING AND BRICKLAYING.** (0-15.) *Credit 5.* I and II. Proportioning and mixing different kinds of mortars and plasters, use of linear, square, and cubic measures, squaring by the 6-8-10 method, use of tables in estimating quantities of material for brick and plastering jobs. Projects involving straight walls of different bonds, corners, angles, pilasters, piers, chimneys, fireplaces, and foundations for small houses and plastering with two coats.

212-222. **GENERAL MASONRY.** (0-6.) *Credit 2.* I and II. A continuation of Masonry 112-122. Application of the techniques acquired in Course 122.

215-225. **BRICKLAYING, PLASTERING, AND CONCRETE.** (0-15.) *Credit 5.* I and II. Continuation of Bricklaying and Plastering 115-125. Brick construction, including foundations, fireplaces, mantels, veneer construction, store fronts, arches, and steps; and furnace work for boilers is also done. Additional work is given in plastering, with emphasis on straight wall, angles, Keene's cement finishing, and imitation tile marking for bathrooms, a study of Portland cement and of preparation and uses of concrete is introduced in the latter part of the course, laying of jobs from blueprints and sketches, and making estimates of materials to be used in brickwork, plastering, and concrete jobs.

**PAINTING***For Undergraduate Credit*

112. **ELEMENTARY PAINTING.** (0-6.) *Credit 2.* I. Various kinds of paints, varnishes, stains, lacquers, and their ingredients; the relation and recognition of colors; tools, equipment and their uses, and practical experience.

115. **ELEMENTARY PAINTING.** (0-15.) *Credit 5.* I. Various kinds of paints, varnishes, stains, and lacquers and their ingredients; the relation and recognition of color; tools and equipment and their uses, and practical experience.

122. **ELEMENTARY PAINTING.** (0-6.) *Credit 2.* II. Preparation of exterior surfaces, mixing and applying paints, the effect of weather

conditions upon a paint job, color analysis and color matching, and practical experience.

125. ELEMENTARY PAINTING. (0-15.) *Credit 5.* II. Preparation of exterior surfaces, mixing and applying paints, the effect of weather conditions upon a paint job, color analysis and color matching, and practical experience.

212. ADVANCED PAINTING. (0-6.) *Credit 2.* I. Preparing interior surfaces, blending colors with furniture and effects of position and light upon interiors, modernistic wall finishing, and practical experience.

215. ADVANCED PAINTING. (0-15.) *Credit 5.* I. Preparing interior surfaces, blending colors with furniture and effects of position and light upon interiors, modernistic wall finishing and practical experience.

222. ADVANCED PAINTING. (0-6.) *Credit 2.* II. Simple steps in paper hanging, shop management and furniture finishing, estimating and practical experience.

225. ADVANCED PAINTING. (0-15.) *Credit 5.* II. Simple steps in paper hanging, shop management and furniture finishing and practical experience.

312. PAPER HANGING OR FURNITURE FINISHING. I. (0-6.) *Credit 2.* I. Estimating and extensive practice. Prerequisites: Painting 312, 122 and 222.

322. PAPER HANGING OR FURNITURE FINISHING. II. (0-6.) *Credit 2.* II. Estimating and extensive practice. Prerequisite: Painting 312.

### PLUMBING AND STEAM FITTING

#### *For Undergraduate Credit*

112. INDUSTRIAL PLUMBING. (0-6.) *Credit 2.* I. Care and use of tools, measuring, cutting, and threading steel pipe, repairing faucets and cocks, soldering, grading, and laying sewer lines.

115. ELEMENTARY PLUMBING. (0-15.) *Credit 5.* I. Care and use of tools, study of plumbing and heating layouts, measuring, cutting and threading steel pipe, cutting and caulking cast iron pipe.

122. INDUSTRIAL PLUMBING. (0-6.) *Credit 2.* II. Roughing in for, and setting fixtures for small jobs. Making material bills, lead work.

125. ELEMENTARY PLUMBING. (0-15.) *Credit 5.* II. Leadwork, roughing in for, and setting fixtures on small plumbing and heating jobs. Tapping and venting.

215. ADVANCED PLUMBING. (0-15.) *Credit 5.* I. Small heating systems. Installation of boilers of one and two pipe heating systems; transmission lines, layouts and codes, etc.

225. ADVANCED PLUMBING. (0-15.) *Credit 5.* II. Making estimates for labor and material for small plumbing and heating jobs. Distribution of hot and cold water. Estimating yearly supplies for boarding schools.

## PRINTING

*For Undergraduate Credit*

111. COLOR. (0-3.) *Credit 1.* I. Pigments and theory of color mixing and matching. The Munsell system of color standardization with emphasis on selection, harmony, harmony and balance as related to Graphic Arts.

112. TYPOGRAPHY. (0-6.) *Credit 2.* I. Hand composition stressing 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. A general survey of allied processes including a general survey of methods and practices followed.

121. LETTERING. (0-3.) *Credit 1.* II. Fundamental roman letter forms with projects to develop skill in the drawing of letters for layout and reproduction purposes.

122. TYPOGRAPHY. (0-6.) *Credit 2.* II. Advanced problems in composition and selection of type with emphasis on proportion, balance, shape harmony, tone harmony, contrast, subject harmony, and color.

131. BINDERY OPERATIONS. (0-3.) *Credit 1.* I. Folding, inserting, gathering, stitching, gluing on backs, and trimming. Proper methods of wrapping.

132. LAYOUT AND DESIGN. (0-6.) *Credit 2.* I. Fundamentals of design incorporating "thumbnail", "roughs", space break-up, movement, balance, type legibility, and copy-fitting.

142. LAYOUT AND DESIGN. (0-6.) *Credit 2.* II. The designing of blotters, folders, broadsides, booklets, brochures, etc., with regard to their functions, and the solving of problems involved in their production.

152. PLATEN PRESSWORK. (0-6.) *Credit 2.* I. Operation of the Platen Press with emphasis on 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. MACHINE COMPOSITION. (0-6.) *Credit 2.* II. Elementary phases of linotype operation, provides training in keyboard fingering, and practice in setting from simple copy.

172 or 173. PLATEN PRESSWORK. (0-6) or (0-9). *Credit 2, 3.* II. Advanced makeready on halftones and more intricate work; introduction to Automatic Platen Press.

212. TYPOGRAPHY. (0-6.) *Credit 2.* I. Accepted trade practices in handling typical jobs, training in the application of principles in experimental typography, and instruction and practice in mark-up.

221. **TYPOGRAPHY.** (0-3.) *Credit 1.* II. Craftsmanship and efficiency in handling typical jobs, and further work in creative and experimental typography.

222. **ESTIMATING.** (2-0.) *Credit 2.* II. Application of the elements of cost-finding to jobs of printing in process.

231. **MACHINE MAINTENANCE.** (0-3.) *Credit 1.* II. Functions of the devices comprising the Linotype machine, including dissection, reassembly, adjustment of parts and correction of difficulties.

232. **IMPOSITION AND LOCKUP.** (0-6.) *Credit 2.* I. Making up of different kinds of type and combination forms including imposition and lockup beginning with simple forms and progressing to more complex ones.

243. **PLANT MANAGEMENT.** (3-0.) *Credit 3.* II. Solution of problems in finance, profits, plant layout, equipment, operation, and employee relations.

252. **ESTIMATING.** (2-0.) *Credit 2.* I. The process of 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 press makeready and feeding, including newspaper and book work. Special emphasis placed on 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 larger cylinder presses and includes the make-ready of halftone and process color work.

272 or 273. **MACHINE COMPOSITION.** (0-6) or (0-9). *Credit 2, 3.* I. Emphasizes 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, and understanding and practice of accepted typographic usage. Work includes setting for color separation, headings, display and advertising matter, and twin-matter composition. Work in the routine care of machines is included in both courses.

292 or 293. **PRINTING PRODUCTION.** (0-6.) (0-9.) *Credit 3.* II. Planning, estimating, scheduling and complete manufacture of printing jobs.

#### **RADIO REPAIR**

##### *For Undergraduate Credit*

113. **RADIO THEORY.** (0-3.) *Credit 3.* I. Electron theory, fundamental electrical units; magnetism; electro-magnetism and electromagnetic induction.

115-125, 215-225. **RADIO LABORATORY.** (0-15.) *Credit 5.* I and II. Use of measuring and testing instruments such as Vacuum tube volt-



meters, output meters, frequency meters, signal generators, and cathode-ray oscilloscopes. Analysis and interpretation of measurement results. Trouble—"shooting" and repairing commercial radios.

123. RADIO THEORY. (0-3.) *Credit 3. II.* Includes inductance, inductors, transformers; capacitance, condensers, and vacuum tubes.

183. CIRCUITS LABORATORY. (0-9.) *Credit 3. II.* A series of experiments and tests, including the 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.* Discussion of the commercial test instruments in use by repairmen and technicians, the operation and repair, and repairs to the d'Arsonval type meter.

213. RADIO THEORY. (0-3.) *Credit 3. I.* Detectors; superheterodyne theory; A. F. amplifiers; R. F. amplifiers; filters, special circuits; sound and sound production.

223. RADIO THEORY. (0-3.) *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.

*For Graduate and Undergraduate Credit*

523. RESEARCH AND PROBLEMS. (0-9.) *Credit 3. 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 the regular seminar.

**SHEET METAL WORK**

*For Undergraduate Credit*

112-115, 122-125. ELEMENTARY SHEET METAL. (0-6.) (0-15.) *Credit 2, 5. I and II.* Templates, soldering, brazing, seaming, and study and use of sheet and bar material.

212-215, 222-225. ADVANCED SHEET METAL. (0-6.) (0-15.) *Credit 2, 5. I and II.* Different types of sheet and wrought-iron works as applied to furniture, building construction, heating ducts, and ornament; welding and brazing. Prerequisite: Course 125.

**SHOEMAKING AND REPAIR**

*For Undergraduate Credit*

112-115. SHOEMAKING. (0-6.) (0-15.) *Credit 2, 5. 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 uppers and soles by hand.

122-125. SHOEMAKING. (0-6.) (0-15.) *Credit 2, 5. I.* Selection of lasts to correct the shape of shoes to be repaired, nailing soles previously fitted, repairing leather and wood heels, lock stitching, trimming edges by hand, classification of 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.

202-232. DRAFTING. (0-6.) *Credit 2. I and II.* Drafting patterns for insoles, uppers, and various parts of shoes and other footwear.

212-215. SHOE MAKING. (0-6.) (0-15.) *Credit 2, 5. I.* The care of the finishing machine, fitting and preparing cement soles, repairing light half soles on shoes; studying 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.

222-223. SHOE MAKING. (0-6.) (0-15.) *Credit 2, 5. II.* The use and care of the McKay Self-channelling machine, fitting needles in machine, and general repairs to machine; the use and care of the rough rounding machine; the lip channel method of fastening whole sole with the stitchers; general organization and shop management, keeping books and job records.

#### STATIONARY ENGINEERING

##### *For Undergraduate Credit*

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, and ice making, air conditioning, plant repair work, including steel and bronze welding, soldering, babbiting, and machine tool work.

#### TAILORING AND GARMENT MAKING

##### *For Undergraduate Credit*

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, and the management of a power plant.

112-115. ELEMENTARY TAILORING. (0-6.) (0-15.) *Credit 2, 5. I.* Names and uses of various stitches; trouser measurements; the tailor's square and its uses; trouser cutting.

122-125. ELEMENTARY TAILORING. (0-6.) (0-15.) *Credit 2, 5. I.* Trouser drafting, trimming and making; serges and worsted; use and care of tailoring machines, skirt drafting, cutting and making.

132-142. DRAFTING. (0-6.) *Credit 2. I. and II.* Use of drafting instruments, taking measurements, the drafting of trousers, knickers, coats and ladies skirts, and general drafting, and designing.

212-215. ADVANCED TAILORING. (0-6.) (0-15.) *Credit 2, 5. I.* Coat and vest measurements; direct and proportionate, vest cutting, drafting and making; collar and canvas construction.

222-225. ADVANCED TAILORING. (0-6.) (0-15.) *Credit 2, 5. II.* Coat cutting, trimming, drafting and making; alterations and repairs; hand and machine made coats. Method of lining and relining.

232-242. ADVANCED DRAFTING. (0-6.) *Credit 2.* Continuation of course 142, including advanced and special problems.

## WELDING

### *For Undergraduate Credit*

112-115, 122-125. ELEMENTARY WELDING. (0-6.) (0-15.) *Credit 2, 5. I.* Care, use and operation of electric welding machines, single and multiple beading in flat position, vertical and all position welding.

212-215, 222-225. ADVANCED WELDING. (0-6.) (0-15.) *Credit 2, 5. II.* The advanced phases of electric welding, hard surfacing, welding of non-ferrous metals. Methods of testing for strength and the theory and practice of oxyacetylene welding and cutting.

## WOODWORK

### *For Undergraduate Credit*

112-113-122. FUNDAMENTALS OF WOODWORK. (0-6.) (0-9.) *Credit 2, 3. I. II.* Names and uses of tools, names and uses of joints, simple projects, requiring skill in the use of the saw, plane and square; problems in measurement, board measure and hand sanding; use and care of woodworking machines and advanced projects involving tufting, mortising, tenoning and paneling.

212. ADVANCED WOODWORK. (0-6.) *Credit 2. I.* Construction of period style furniture with modern adaptation; woodturning and inlaying; hand and machine sanding and estimating.

222. ADVANCED WOODWORK. (0-6.) *Credit 2. II.* Production methods in the use of power machinery, complicated and original designs for large pieces of furniture; history of furniture, cost finding and estimating.

TWO YEAR TRADE COURSE IN BAKING

# DEPARTMENT OF COOKING AND BAKING

R. W. HILLIARD, *Head*

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 and 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 60 semester hours and sixty grade points.

## TWO YEAR TRADE COURSE IN COOKING

### FIRST YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
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 & Cooking Methods	
Cooking 117	7	Cooking 127	7
Practice and Theory		Practice & Theory	
Military Science 111	1	Military Science 121	1
	17		17

### SECOND YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Cooking 213	3	Cooking 223	3
Advance Theory		Advance 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
Elective	3	Baking and Cooking 263	3
	—	Management	—
	17		17

## TWO YEAR TRADE COURSE IN BAKING

## FIRST YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
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 & Theory .....		Practice and Theory .....	
Military Science 111 .....	1	Military Science 121 .....	1
Basic .....		Basic .....	
	<hr/>		<hr/>
	17		17

## SECOND YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Baking 213 .....	3	Baking 223 .....	3
Advance Theory .....		Advance Theory .....	
Baking 215 .....	5	Baking 225 .....	5
Bread & Rolls .....		Bread & Rolls .....	
Baking 235 .....	5	Baking 245 .....	5
Pastries .....		Pastries .....	
Military Science 211 .....	1	Military Science 221 .....	1
Basic .....		Basic .....	
Elective .....	3	Baking & Cooking 263 .....	3
		Management .....	
	<hr/>		<hr/>
	17		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 coking.

235, 245. COOKING. *Credit 5.* I and II. Preparation of meats for cooking (butchering, etc.); practice in cooking of meats.

263. BAKING AND COOKING. *Credits 3.* I and II. Managing a business, simple bookkeeping, inventories, buying, etc.

## 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.

The School of Nursing has affiliation with Jefferson Davis Hospital, Houston, Texas.

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. Please send two transcripts,—one for 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, an inexpensive clinical thermometer, and six white aprons without bibs. All entering Nursing Education students pay entrance fee, which covers the cost of tuition, books, and uniform for the first year only.

### HEALTH

All students of Nursing Education, when ill, are cared for gratuitously, receiving the professional services of the hospital physicians. 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 of Prairie View A. and M. College.

1. Applicants must be 18 years old upon entrance to the division and under 30.
2. Applicants must have a thorough preentrance physical examination as evidence of physical fitness.

## THREE YEAR CURRICULUM

## FIRST YEAR—FIRST SEMESTER

Course No.	Title	Clock			Sem.	
		Hrs.	Lec.	Lab.	Hrs.	Cr.
English 113	Grammar and Composition	54	3	0	3	3
Education 103	Orientation	54	3	0	3	3
Nursing Ed. 153	Anatomy and Physiology	54	3	0	3	3
Nursing Ed. 114	Chemistry for Nurses	108	2	4	4	4
Nursing Ed. 116	Introduction to Nursing Arts	144	2	6	4	4
Nursing Ed. 132	History of Nursing and Professional Ethics	54	3	0	3	3
Physical Ed. 110	Gymnastics	36	0	2	0	0

## SECOND SEMESTER

Nursing Ed. 143	Foods, Nutrition & Diet Therapy	54	3	0	3	3
English 123	Composition (Communication)	54	3	0	3	3
Nursing Ed. 163	Anatomy and Physiology	54	3	0	3	3
Nursing Ed. 126	Advanced Nursing Arts	144	2	6	4	4
Nursing Ed. 124	Microbiology and Pathology	108	2	3	4	4
Nursing Ed. 182	Pharmacology and Therapeutics	36	0	2	2	2
Physical Ed. 120	Games and Gymnastics	36	0	2	2	2
FIRST YEAR—SUMMER SESSION—SIXTEEN WEEKS						
Nursing Ed. 103	Sociology for Nurses	54	3	0	3	3
Nursing Ed. 140	Clinical Practice	480	0	30	0	0

## SECOND YEAR

Spent at Jefferson Davis Hospital, Houston, Texas.

Course No.	Title	Clock Hrs.	
Medical and Surgical Nursing			
Unit I	Introduction	8	0
Unit II	Respiratory System	10	0
Unit III	Circulatory System	24	24
Unit IV	Gastro-Intestinal System	25	25
Unit V	Urinary System	16	16
Unit VI	Skin Plastery	13	13
Unit VII	Allergy	3	3
Unit VIII	Endocrine System	10	10
Unit IX	Nervous System	12	12
Unit X	Ear, Eye, Nose and Throat	18	18
Unit XI	Orthopedics	14	14
Unit XII	Gynecology	17	17
Unit XIII	Communicable Diseases	36	36
	Pediatrics	36	36
	Obstetrics	36	36
	First Aid	20	20
*Psychology 231	Psychiatric Nursing	54	54

## THIRD YEAR

Six months spent at Jefferson Davis Hospital in Houston, Texas, and six months spent at Prairie View Hospital.

Six months at Jefferson Davis Hospital

Public Health Nursing	36
Professional Adjustments II	36
* Psychiatric Nursing	54

\*May be taken second semester of second year or first semester of third year.

Six months 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 and the Superintendent of Nurses at Prairie View Hospital.

## DEGREE CURRICULUM

## FIVE-YEAR COURSE\*

\*(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.)

## FOURTH YEAR

## FIRST SEMESTER

Course No.	Title	Clock Hrs.	Lec.	Lab.	Cr.	Sem. Hrs.
English 233	Public Address	54	3	0	3	3
Mathematics 173	Math. Analysis	54	3	0	3	3
Education 113	Introduction to Education	54	3	0	3	3
Sociology 213	Introduction to Sociology	54	3	0	3	3
Biology 354	Histological Technique	108	2	4	4	4
Pol. Science 263	National Government	54	3	0	3	3
Nursing Ed. 412	Clinical Practice—Ward Supervision	216	0	12	0	0*

## SECOND SEMESTER

Sociology 333	Social Psychology	54	3	0	3	3
Pol. Science 203	State Government	54	3	0	3	3
Mathematics 183	Applied Math. Analysis	54	3	0	3	3
Economics 203	Survey of Consumer Economics	54	3	0	3	3
English 313	Public Discussion	54	3	0	3	3
History 463	Negro History	54	3	0	3	3
Nursing Ed. 410	Clinical Practice—Ward Supervision	216	0	12	0	0*

## FIFTH YEAR

Phil. 303	Philosophies of Life	54	3	0	3	3
Foods 413	Advanced Nutrition	90	1	4	3	3
Education 313	Principles of Secondary Education	54	3	0	3	3
Education 313	Methods of Teaching H. S. Subjects	54	3	0	3	3
Sociology 413	Social Welfare Work	72	2	2	3	3
Nursing Ed. 418	Clinical Practice—Hospital Management	324	0	18	0	0*

## SECOND SEMESTER

Education 353	or Adolescent Psychology	54	3	0	3	3
Education 383	Educational Psychology	54	3	0	3	3
Education 443	Tests and Measurements	54	3	0	3	3
Education 406	Practice Teaching in H. S.	216	1	10	6	6
Education 433	Science and Art of Teaching	54	3	0	3	3

## 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 to care for patients in the hospital.

122. PRE-CLINICAL NURSING PRACTICE. (0-13.) *No semester hours credit.* 234 hours. II. Continuation of Nursing Education 112.



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.

126. ADVANCED NURSING ARTS. (2-4.) *Credit 4.* II. 144 hours. Continuation of Nursing Education 116.

124. MICROBIOLOGY AND PATHOLOGY. (2-4.) *Credit 3.* II. 108 hours. Habits and morphology of microorganisms emphasizing those of pathogenic character, sources, modes, prevention of infection, disinfection and asepsis, important tissue changes occurring in the healing process, infections and neoplasms, clinical microscopy of the blood and blood grouping, kidney function and urinalysis.

132. HISTORY OF NURSING. (3-0.) *Credit 3.* 54 hours. I. Historical development of nursing from its early conception to modern times.

140. CLINICAL PRACTICE. (0-40.) *No semester hours credit.* Summer session. Elementary nursing practices in which the theories of nursing are applied in laboratory practice.

143. NUTRITION, FOODS, COOKERY. (2-2.) *Credit 3.* 72 hours. I. Normal adult nutrition and food preparation, nutritive values of foods, planning of balanced diets according to age, physical activities, climate.

153 and 163. ANATOMY AND PHYSIOLOGY. (3-0.) *Credit 3.* 108 hours. I. and II. Form, structure and function of the human body as an essential prerequisite to the study of health, nutrition, and pathological changes due to disease.

182 and 192. PHARMACOLOGY AND THERAPEUTICS. (2-0.) *Credit 3.* I. and II. 72 hours. Fundamental weights, measures, terms, and symbols used in the preparations and administration of drugs, common antiseptics, disinfectants and other solutions. Commonly used drugs, their preparation, dosage administration, physiological therapeutic actions, idiosyncrasies, cumulative and minor symptoms, antidotes and emergency treatments; emphasis on the accurate administration of drugs and careful observation of their effects through supervised practice.

403. DIET THERAPY. (2-2.) *Credit 3.* I. 72 hours. Underlying principles of treatment of diseases by means of special dietaries. This course is supplemented by conference work during the students' practice in medical and surgical nursing. Lectures, recitation, and laboratory.

423. OPERATING ROOM TECHNIQUE. (2-2.) *Credit 3.* I. 72 hours. The Principles of surgical aseptic technique. Planned to develop dexterity and intelligent response in assisting with operations and meeting surgical emergencies. Experience is given in the operating room.

412. CLINICAL PRACTICE—WARD SUPERVISION. (0-12.) *No semester hours credit.* I and II. 432 hours. Practice in supervising the wards

and instructing beginning nurses. Open to registered nurses. Conferences and consultations in ward supervision. 216 hours each semester.

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 OR 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 students' own personality; scientific basis by which student can get a better understanding of behavior of herself and her co-workers and patients. Lectures and recitations.

#### GENERAL CHEMISTRY OR NURSING EDUCATION

114. **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

323. **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

T. R. SOLOMON, PH.D., *Chairman*

Only one course is offered through the Correspondence Department at Prairie View A & M College:

POLITICAL SCIENCE 1x3. The Government of Texas and the United States.

This course carries three (3) semester hours credit and 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.

## PRAIRIE VIEW 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 is 48 clock hours and the schools usually run two quarters. The classes are designed primarily for meeting the needs of in-service teachers and usually on the undergraduate level, 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 residence students. At present there are 10 extension schools in operation in San Antonio, Gonzales, Galveston, Tyler (Texas College), Columbus, Corpus Christi, LaGrange, Beaumont (Workshop), Jefferson and Madisonville.

### COLLEGE EXTENSION OFFICE STAFF

Jonel L. Brown, Ph.D., Director of Extension Schools.

Curtis A. Wood, M. A., Coordinator of Health Instruction.

Eze L. Covington, Secretary.

## 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 Public Instruction and with the approval and cooperation of the State Health Officer. The program is financed jointly by the W. K. Kellogg Foundation and the five participating colleges and universities which are: North Texas State Teachers College, Prairie View A & M College, Stephen F. Austin State Teachers College, Texas State College for Women and the University of Texas.

Prairie View A & M College is meeting its responsibility in this state program by providing a Coordinator of Health Education whose immediate services and that of related personnel are extended to the development of a state-wide program of health improvement.

Demonstration Centers were set up in several areas of the state in an effort to point toward a functional health improvement program which might be exemplified in every area of the state. Graduate credit is granted to qualified participants in this field work program in the hope of stimulating a healthy interest in school and community improvement. Consultation Services in health education and related areas are extended to the various schools and communities throughout the state.

COLLEGE STAFF

Curtis A. Wood, M. A., State Coordinator of Health Education, State Department of Education.

Eze L. Covington, Secretary.

# ENROLLMENT

## REGULAR SESSION 1947 - 48

ABBREVIATIONS: Ag—Agriculture; A.&S. Arts and Sciences; H.E.—Home Economics; M.A.—Mechanic Arts; N.E.—Nursing Education.

SYMBOLS: 1-Freshman; 2-Sophomore; 3-Junior; 4-Senior; Spec.-Special; Uncl.-Unclassified; Grad.-Graduate Study; \*-Veteran.

ATTENDANCE: (1) Indicates that students attended first semester only. (2) Indicates that student attended second semester only.

Classification shown as of September 1947 for students first semester, as of February, 1948 for students attending second semester only or both semesters.

Name	City or Town	Name	City or Town
*Abernathy, Robert O.; A.&S.-4	Dallas	*Anderson, Obie Boyce; A.&S.-1	Palestine
*Abney, Clayton; M.A.-2	Coushatta, La.	*Anderson, Oliver; M.A.-Spec.	Bryan
*Abrams, Larry C.; A.&S.-Grad.	Bastrop	Anderson, Ottman Ocell; H.E.-4	Sealy
Adams, Alvis Z.; A.&S.-2	Jasper	Anderson, Roscoe L.; M.A.-Spec.	Pittsburg
Adams, Anna H.; A.&S.-Grad.	Seguin	Anderson, Samuel K.; Ag.-1	Cameron
*Adams, Claude R.; A.&S.-Grad.	Jacksonville	*Anderson, Willie James; A.&S.-3	Cameron
Adams, Dorothy J.; A.&S.-2	Houston	Antoine, Gertie Mae; H.E.-4	Liberty
*Adams, Fred E.; A.&S.-Grad.	Los Angeles, Calif.	Antwine, Clara Smith; H.E.-3	Washington
Adams, Harold; A.&S.-2	Beaumont	(1) Archie, Clara Belle; H.E.-3	Hempstead
Adams, Jewel P.; A.&S.-4	Houston	(1) Armstrong, Arthur E.; M.A.-1	Waelder
*Adams, Lloyd L.; Ag.-3	Seguin	*Armstrong, Lemuel; Ag.-1	Waelder
(2) Adams, Lucy Mae; A.&S.	Dallas	*Armstrong, Roten L.; A.&S.-1	Wharton
Adams, Sammie Marie; A.&S.-1	Schulenburg	*(1) Arnic, Athaniel; Ag.-4	Dale
(1) Alexander, Artelia; H.E.-4	Temple	Arnic, Vera Inez; A.&S.-1	Lockhart
*Alexander, Alonzo Lee; M.A.-Spec.	Taylor	*(1) Arnold, Walter R.; M.A.-3	Mexia
*Alexander, Arthur; Ag.-3	Oakwood	Arps, Earine Marie; A.&S.-2	Tyler
*Alexander, Ben A.; A.&S.-3	Corsicana	*(1) Austin, Horace E.; A.&S.-1	Houston
Alexander, Celester C.; H.E.-1	Jacksonville	(1) Austin, Virgie Mae; H.E.-Grad.	Waco
*Alexander, David; Ag.-2	Oakwood	Avery, Gloria E.; A.&S.-3	Cuero
Alexander, Eugene; A.&S.-1	Corpus Christi	Avington, Mary; A.&S.-2	Kilgore
Alexander, John W.; M.A.-1	Fort Worth	Ayers, Alvin M.; M.A.-3	Houston
Alexander, Louise L.; A.&S.-4	Corsicana	Bacy, Lillian L.; N.E.-3	Rockdale
Alexander, Paul H.; Ag.-1	Reagan	Bagley, Julia Jane; A.&S.-3	Fort Worth
Alexander, Pearl B.; H.E.-4	Troup	Bailey, Joseph E.; A.&S.-1	Beaumont
*Alexander, Raymond; A.&S.-4	Dallas	Bailey, Louis Justine; H.E.-4	Houston
*(1) Alford, Clint A.; Ag.-1	Fort Worth	Baines, Billy J.; Ag.-2	Wharton
Allen, Bernice M.; N.E.-1	Georgetown	Baker, Billie Joe; A.&S.-1	Bremond
Allen, Clemmie Lee; Ag.-2	Linden	Baker, Helen Claire; A.&S.-3	Port Arthur
Allen, Gloria Mae; A.&S.-1	Port Arthur	Baker, James E.; M.A.-1	Mart
*Allen, Henry M., Jr.; M.A.-3	Austin	Baker, Nolan; A.&S.-4	Beaumont
*(1) Allen, John W.; M.A.-1	Keywest, Fla.	Baker, Vernon Lee; A.&S.-3	Cold Spring
Allen, Millie M.; A.&S.-2	Mt. Pleasant	Baker, Warren V.; A.&S.-4	Bremond
*Allen, Richard; M.A.-2	Montgomery	Baldwin, Berlyn Jean; H.E.-2	Dayton
*Allen, Richard Minor; M.A.-1	El Paso	Baldwin, Nellie P.; A.&S.-4	Houston
Allen, Robbie Jewel; H.E.-1	Pittsburg	*Baldwin, T. W.; M.A.-Spec.	Hugo, Okla.
*Allen, Teddie S.; A.&S.-2	Dallas	Ballard, J.C.; Ag.-1	Nacogdoches
*Allen, Ulysses S.; Ag.-3	Linden	Ball, Saleta Vera L.; H.E.-3	San Antonio
*Allen, Williams M.; Ag.-1	Mt. Pleasant	Banks, Gloria Jeanne; A.&S.-1	Fort Worth
*Amey, Thomas E.; Ag.-3	Bay City	Banks, Joseph; A.&S.-1	Bryan
*Amie, E. P.; A.&S.-2	Kennard	*Banks, Willie Rutherford; M.A.-2	Hartwell, Ga.
Anderson, Emma Lee; H.E.-1	Bastrop	*(1) Barkwell, Charles M.; Ag.-1	Omaha
Anderson, Irene D.; H.E.-4	Sealy	Barlow, Dadie Ruth; H.E.-3	Woodville
*Anderson, Garner L.; Ag.-3	Seguin	*Barlow, Woodrow; Ag.-3	Woodville
*Anderson, George; Ag.-4	Cuero	Barnes, Joseph S.; A.&S.-2	Beaumont
Anderson, Huereita; A.&S.-3	Sealy	*Barnes, Samuel; A.&S.-1	Alto
		Barrens, Clarence; A.&S.-2	Tulsa, Okla.
		Barrens, Grady E.; A.&S.-2	Tulsa, Okla.
		*(2) Barron, Ivory; M.A.-Spec.	Port Arthur
		Barrett, Dorthine J.; A.&S.-3	Palestine
		Barrett, Otrie B.; A.&S.-1	Palestine

Name	City or Town
(2) Barrett, Sylvester; A.&S.-Spec.	Palestine
Barrett, Wheeler Z.; M.A.-2	Longview
Batie, Nannie B.; A.&S.-4	Milford
*Baugh, George; M.A.-2	West Columbia
*Baugh, Lillian Faye; A.&S.-4	W. Columbia
Beall, Floyd A.; A.&S.-1	Henderson
Beasley, Horace O.; A.&S.-2	Athens
Beasley, Tommy; A.&S.-2	Athens
*Beason, Torance Lee; A.&S.-1	Palestine
*Bell, Alonzo R.; M.A.-2	La Marque
*Bell, Billy D.; A.&S.-3	Denton
Bell, Hortense; H.E.-1	La Marque
*(1) Bell, John Allen; M.A.-2	Marshall
Bell, Lee Etta; A.&S.-4	Houston
*Bell, Marcellus; M.A.-Spec.	Denton
*(1) Bell, Marion D.; M.A.-1	Pittsburg
Bell, Melba Jean; H.E.-1	Texarkana
Bell, Ulysses S.; M.A.-4	Denison
Beller, Gladys O.; H.E.-3	Conroe
Bennett, Alton E.; M.A.-1	Camden
Bennett, Frank E.; A.&S.-1	Houston
*Bennett, James D.; Ag-4	Groveton
*Bennett, Robert James; A.&S.-1	Dallas
Bennett, Ruth Lee; A.&S.-1	Newton
*(1) Bennett, Sydney E.; M.A.-3	Camden
Benson, Jean K.; A.&S.-2	San Antonio
Benson, Lenora Y.; A.&S.-3	Calvert
(1) Benton, Joyce M.; H.E.-1	Nacogdoches
*Berrymon, Onnis C.; M.A.-1	Texarkana, Ark.
Berry, Ida P.; A.&S.-1	Marlin
Berry, Ollie Benetta; H.E.-3	Marshall
*Beverly, Sherman Jr.; A.&S.-2	Port Arthur
*(1) Bias, James E.; M.A.-1	Ardmore, Okla.
Bigsby, Edwin M.; A.&S.-3	Brenham
Bigsby, Marjorie; H.E.-1	Brenham
Bilton, Dorothy Mae; A.&S.-3	Flatonia
Bilton, Harry Jr.; Ag-2	San Antonio
Black, Bernard L.; Ag-2	Carthage
Black, Joe Thomas; Ag-1	Grapeland
Black, Linnie D.; H.E.-2	Grapeland
Black, Joyce Cynthia; N.E.-3	Ennis
Black, Paynetta; H.E.-2	Grapeland
Black, Thelma Lee; A.&S.-1	Grapeland
Blackmon, Queen Esther; A.&S.-3	Chapel Hill
Blanks, Victoria W.; A.S.-3	San Antonio
Blanton, George W.; A.&S.-4	San Angelo
Blanton, Hubert B.; Ag-1	Cuney
Blocker, Vina Ella; H.E.-1	Hearne
Blocker, Wilma; H.E.-4	Franklin
Blue, Gazetta L.; H.E.-3	Ennis
*Bogan, Lee O.; M.A.-4	Wichita Falls
Bolton, Ruth Elma; A.&S.-3	Center
Boney, Jew Don; Ag-4	Rockdale
(1) Booker, Dorothy Mae; A.&S.-2	Fort Worth
Booker, Edward B.; A.&S.-1	Beaumont
*Booker, Herman; Ag-1	Huntsville
Booker, Willie Jewel; H.E.-2	Huntsville
Bonner, Helen C.; A.&S.-1	Hillsboro
Boone, Frances M.; A.&S.-2	Wharton
*Boone, Willie; Ag-2	Luther, Okla.
Booth, Octavia R.; A.&S.-1	Timpson
Booty, Erlene E.; A.&S.-1	Beckville
*Boozer, Floyd E.; Ag-1	Centerville
*Bordelon, Joseph E.; M.A.-1	Orange
Boson, Juanita T.; N.E.-1	Hempstead
Boson, William M.; M.A.-1	Hempstead
Bouldin, Eugene W.; A.&S.-1	San Antonio
*Bowens, Alfred Lee; A.&S.-4	Dallas
Bowens, Jessie Mae; A.&S.-3	Dallas

Name	City or Town
Bowens, Lowetta; A.&S.-1	Greenville
Bowers, John H.; A.&S.-3	Houston
Bowie, Wanda Jean; A.&S.-1	Fort Worth
Boyce, Howard; Ag-1	De Kalb
(2) Boyd, James Lewis; A.&S.-1	Dallas
*Boyd, Ross Earl; Ag-1	Hawkins
(1) Boyd, Wilma A.; A.&S.-1	Houston
Boykin, Abbie Mae; A.&S.-4	Beaumont
Boykin, Edith; A.&S.-1	Dallas
Brackshear, John Wayne; Ag-3	Houston
Bracy, Adolphus; M.A.-1	San Angelo
Bradford, Gloria K.; A.&S.-3	Houston
Bradford, Pauline E.; H.E.-4	Oklahoma City, Okla.
*Bradford, Thomas H.; Ag-3	Alto
Bradley, Booker; M.A.-Spec.	Waco
Bradley, James T.; M.A.-2	Corpus Christi
Bradshaw, Bertha L.; A.&S.-2	Giddings
Bradley, Geraldine; A.&S.-2	Orange
Bradley, Katie Mae; A.&S.-1	Orange
Bradley, Rosemary L.; A.&S.-4	Prairie View
Brailsford, Alfred H.; A.&S.-2	Burkeville
*Branch, Athon O.; M.A.-Spec.	Port Arthur
*Branch, Corliss F.; M.A.-Spec.	Port Arthur
Branch, Selma L.; N.E.-3	Huntsville
Branch, Velma J.; A.&S.-1	Houston
Brannon, Bessie Faye; A.&S.-1	Hughes Spring
Brannon, Bettye E.; A.&S.-1	Paris
Brantley, Bobbie Jean; H.E.-1	De Kalb
Bratcher, Aubrey T.; Ag-4	E. Bernard
Brawley, Bernice; H.E.-4	Marlin
Brawley, Johnnie D.; H.E.-4	Marlin
Brazile, Joseph F.; A.&S.-1	New Orleans
Breedlove, Gerald Ruth; H.E.-3	Houston
Bridges, Mildred; N.E.-3	Houston
*Brigman, Thaddeus B., Jr.; Ag-2	Atlanta
Brigman, Yvonne; A.&S.-1	Atlanta
Bright-Davies, Esther M.; A.&S.-4	Galveston
Bright-Davies, Virginia E.; A.&S.-1	Galveston
Bright, Dorothy; A.&S.-2	San Antonio
Briggs, Virgie Lee; H.E.-3	China
*Briscoe, Sammie Charles; A.&S.-3	Dallas
*Britton, Charles; A.&S.-1	Dallas
Britton, Jerrolyn M.; A.&S.-2	Trinity
*Britton, Lawrence M.; Ag-4	Dallas
Broadus, Lester G.; A.&S.-2	Denton
*Brooks, Joe; M.A.-1	Paris
*Brooks, Mart A.; Ag-3	Waco
Brooks, Phillip S.; A.&S.-4	Dallas
Brown, Alice Marie; A.&S.-1	Henderson
(1) Brown, Bernice B.; H.E.-1	Devers
*Brown, Clifford; M.A.-2	Elgin
*Brown, Connie M.; A.&S.-4	Brenham
Brown, Doris Mae; A.&S.-3	Cuero
Brown, Eloise C.; A.&S.-1	Gladewater
*Brown, Eugene; Ag-4	San Marcos
*Brown, Fred Douglas; Ag-2	Tyler
Brown, Hallie Quinn; A.&S.-4	El Dorado, Kansas
*Brown, Joe Lee; A.&S.-4	Temple
Brown, Johnny Moss; A.&S.-1	San Antonio
(2) Brown, Key Atlis; A.&S.-3	Houston
Brown, Leo James; A.&S.-1	San Antonio
Brown, Leon; A.&S.-4	Victoria
Brown, Lillian Ella; H.E.-4	Houston

Name	City or Town	Name	City or Town
Brown, Mavis M.; A.&S.-2	Bay City	Carter, Audrey L.; H.E.-2	Fairfield
(1) Brown, Mildred B.; A.&S.-4	Houston	(1) Carter, Bessie Mae; A.&S.-2	Ferris
*Brown, Mose L.; A.&S.-3	San Marcos	Carter, Elouise H.; H.E.-1	Huntsville
Brown, Naomi G.; N.E.-4	Tyler	(1) Carter, I. B.; Ag.-4	Daingerfield
Brown, Pauline R.; H.E.-Grad.	San Antonio	Carter, Jack C.; A.&S.-1	Fort Worth
Brown, Roy Lee; Ag.-1	El Maton	*Carter, Lincoln; A.&S.-1	Texarkana
Brown, Tommie Lela; A.&S.-3	Bay City	Carter, Mary A.; N.E.-3	San Antonio
Brown, Thelma Forrest; A.&S.-4	Bay City	Carter, Odis Evelyn; H.E.-3	Columbus
Brown, Verna Lois; N.E.-1	Houston	Carter, Sam H., Jr.; Ag.-1	Brenham
Brown, Willifred; H.E.-4	Fort Worth	Carter, Stonewall, Jr.; M.A.-1	Fort Worth
*Browne, Roland H.; A.&S.-2	Brenham	*Cato, Lewis; Ag.-2	Bon Wier
Browning, Jonnie Mae; H.E.-1	Muldoon	(2) Chambers, Gladys M.; A.&S.-1	Fort Worth
*Brumley, Cecil E.; Ag.-1	Jasper	Chambers, Herbert L.; A.&S.-4	Dallas
Bruton, Cicero H.; A.&S.-1	Dallas	Chambers, Willie Pearl; H.E.-4	Dallas
Bryant, Gladys L.; H.E.-4	Elgin	Chandler, Billie E.; A.&S.-1	Brownwood
Buckley, Ruby Lynn; H.E.-2	Naples	Chandler, Walter Lee; A.&S.-3	Brownwood
(1) Buford, Ila C.; A.&S.-4	Naples	Chaney, Melvage Nash; H.E.-4	Houston
Buford, Annie Laura; H.E.-4	Naples	Chapple, Jessie Mae; A.&S.-1	Giddings
(2) Bundage, Aaron; M.A.-Spec.	Pelly	Charleston, Pearl L.; H.E.-3	Victoria
*Burks, Chester Lee; M.A.-1	Silsbee	Charlton, Lee E.; Ag.-3	Lufkin
Burnett, Freddy Mae; A.&S.-1	Wichita Falls	*Chatham, Cleothus; M.A.-Spec.	Centerville
Burnim, Margaret; H.E.-4	Nacogdoches	Cheeseborough, Eualalia; H.E.-1	Overton
*Burrell, Fred D.; Ag.-3	Wellborn	Chew, Jewel Faye; A.&S.-2	Bremond
Burrell, Iva Mae; H.E.-2	Wellborn	Childress, Louis; A.&S.-1	Fort Worth
Burton, Audrey Mae; A.&S.-1	Abilene	Chinn, Bertha R.; A.&S.-3	San Antonio
(1) Buton, Curtis B.; M.A.-Spec.	Denison	Christian, Willie Charles; A.&S.-1	Hawkins
Burton, James E.; A.&S.-1	Hawkins	Christman, Alta M.; A.&S.-4	Gonzales
*Burton, Sammie; M.A.-1	Denison	Christopher, Claude; A.&S.-2	Jacksonville
Burton, Thomas Henry; A.&S.-1	Naples	Christopher, Clyde; A.&S.-2	Jacksonville
(1) Buster, Willie P.; M.A.-1	Naples	(1) Churchill, Dolores; A.&S.-4	Houston
Butler, Dolores M.; A.&S.-2	Waelder	City, Georgian; A.&S.-1	Georgetown
*Butler, Howard T.; A.&S.-4	Carthage	Clark, Marcie Lean; H.E.-1	Jacksonville
(1) Butler, Luther W.; A.&S.-1	Palestine	Clark, Selena R.; A.&S.-4	Houston
(2) Butler, Newman; Ag.-Spec.	Temple	Clay, Donnell E.; M.A.-3	Houston
(2) Byrd, Anna Rebecca; A.&S.-4	Temple	Clay, Earnest T.; A.&S.-1	Wichita Falls
*Byrd, Grover C.; Ag.-4	Lufkin	(2) Clayton, Billy Blen; M.A.-1	Hockley
Byrd, Lucille D.; A.&S.-3	Nacogdoches	*Clay, Matthews, M.A.-3	Beaumont
*Cade, Harold E.; Ag.-2	Diboll	Clay, Willie Mae; A.&S.-3	Henderson
*Caldwell, Artis Lee; Ag.-2	Taylor	Clayton, Esther Gloria; A.&S.-3	Forney
Caldwell, Carmen; M.A.-1	Yoakum	Claye, Vera Marie; H.E.-3	Branham
*Caldwell, Colossant; Ag.-2	Neches	Cleaver, Celestine; H.E.-4	Prairie View
*Caldwell, Emmett Lee; Ag.-3	Yoakum	*Cleaver, Leroy; A.&S.-Grad.	Waxahachie
Caldwell, Herman A.; A.&S.-1	Texarkana, Ark.	Clemons, Willie Jr.; A.&S.-1	Victoria
Caldwell, Rosebell; A.&S.-1	Neches	*Cleveland, Jake C.; Ag.-2	Midway
Calhoun, Joe C.; A.&S.-2	Wiergate	Clifton, Ruth L.; A.&S.-4	Beaumont
(1) Callahan, Barney; M.A.-3	Groveton	Clouser, Margaret P.; H.E.-4	Galveston
*Cambric, Percy; M.A.-Spec.	Hempstead	Cobb, Allie B.; A.&S.-3	Houston
(1) Cameron, Mae Frances; H.E.-2	Overton	*Coit, Clifford; A.&S.-2	Athens
*Campbell, Burley; A.&S.-2	Houston	*Colbert, A. C.; A.&S.-2	Linden
*Campbell, J. B.; Ag.-2	Trinity	Cole, Jesse F.; Ag.-2	Arp
*Campbell, Robert Lee; M.A.-2	Dallas	Cole, Robert V.; M.A.-Spec.	Dallas
Canada, Labon; A.&S.-1	Brenham	(1) Coleman, Bert; M.A.-1	Grayburg
Canada, Leola G.; H.E.-4	Applesprings	Coleman, Horace E.; A.&S.-2	Jefferson
Cannon, Willie F., Jr.; A.&S.-1	Jacksonville, Fla.	*Coleman, Coolridge; Ag.-3	Newton
*Canty, Booker T.; Ag.-2	Hempstead	Coleman, John M.; A.&S.-3	Corseana
Caraway, Eulalia; A.&S.-4	Tenaha	*Coley, Walter, A.&S.-1	Santa Anna
Caraway, Mildred; A.&S.-1	Garland	Collier, Dorothea; A.&S.-4	Fort Worth
Carothers, Joe Etta; A.&S.-3	Bay City	Collier, Robert B.; A.&S.-1	Altair
*Carothers, Lewis; A.&S.-4	Bay City	Collins, Annie Melvin; A.&S.-1	Kelty's
Carroll, Herbert H.; M.A.-3	Buffalo	Collins, Bennie Ruth; A.&S.-1	Franklin
Carroll, Lurline; A.&S.-4	Buffalo	*Collins, Clifton H.; Ag.-1	Dime Box
Carroll, Mamie O.; A.&S.-4	Waco	(2) Collins, Curtis M.; A.&S.-Grad.	Austin
Carroll, Otto S.; A.&S.-3	Richland	(1) Collins, Earnestine; H.E.-1	Shiro
Carroll, Vernice; N.E.-4	Richland	*Collins, Elbert; Ag.-2	Dime Box
Carruthers, John W.; A.&S.-1	Jackson, Okla.	Collins, Herbert Lee; M.A.-1	Camden
Carruth, Willie Mae; A.&S.-3	Texarkana	Collins, Julius A.; M.A.-1	Santa Anna

Name	City or Town	Name	City or Town
Collins, Louise M.; A.&S.-4	Houston	*Davis, Comoses; A.&S.-1	Kilgore
Collins, Nathaniel; Ag.-2	Naples	Davis, Edward C.; M.A.-2	Nacogdoches
*Collins, Samuel R.; M.A.-3	Port Arthur	Davis, Ella S.; A.&S.-1	Karnack
*(1) Collins, Timothy Jr.; M.A.-2	Ponta	Davis, Eli; A.&S.-1	Fort Worth
(1) Colter, Grover B.; M.A.-1	Fort Worth	(1) Davis, Emma Louise;	
Conley, Sophia Lee; N.E.-1	Houston	A.&S.-3	Prairie View
*Connally, Normal O.; Ag.-3	Omaha	Davis, Esel Marie; H.E.-3	Conroe
*Conner, Alvin; M.A.-1	Denison	*Davis, Eural Norman; Ag.-3	Rockdale
*Cook, Charles W.; A.&S.-4	San Antonio	Davis, Geneva Bell; H.E.-1	Tucson, Ariz.
(2) Cook, Johnnie Mae H.;		Davis, Helen Marie; A.&S.-1	Wortham
A.&S.-4	Hubbard	*Davis, James Aaron; Ag.-1	Leona
*Cooper, Ernest C.; Ag.-3	Waco	*(1) Davis, James W.; M.A.-1	Fort Worth
Cooper, Estelle L.; A.&S.-1	Benchley	*Davis, Joseph H. M.; A.&S.-4	Dallas
*(1) Cooper, John Eugene;		Davis, Lorene B.; A.&S.-3	Mexia
A.&S.-3	McKinney	(2) Davis, Margie B.; A.&S.-3	Kilgore
Cooper, John W.; M.A.-1	Kirbyville	*Davis, Lucious E.; Ag.-3	Hemstead
*(1) Crawford, Morris J.; Ag.-4	Texarkana	Davis, Melvin; A.&S.-4	Houston
Courthers, Rose Marie;		Davis, Merlene L.; A.&S.-4	Longview
H.E.-1	Prairie View	*Davis, Robert Jr.; Ag.-1	Mineola
*Cotton, Clarence D.; Ag.-1	Dallas	*Davis, Robert Dane; Ag.-1	Karnack
*Cornelius, Bryant T.; M.A.-1	El Paso	Davis, Rosalind M.; A.&S.-1	Lufkin
Cotton, Johnnie Mae; H.E.-3	Conroe	Davis, Thelma L.; A.&S.-4	West Columbia
Cox, Lorene M.; A.&S.-1	Corsicana	Davis, Theodore R.; A.&S.-3	Yoakum
Craddox, Pauline; A.&S.-2	Mt. Pleasant	Davis, Viola J.; N.E.-1	Hemstead
Crain, Maurice L.; A.&S.-3	Dallas	*Davis, William O.; A.&S.-Grad	Carthage
Crain, Norris E.; A.&S.-1	Dallas	*(1) Davis, Willie R.;	
Craver, Nadina; A.&S.-1	Houston	M.A.-Spec.	Hempstead
Crawford, Carl T.; Ag.-1	Reklaw	*Daviss, Theodore R.; Ag.-4	Houston
Crawford, Geneva D.; A.&S.-2	Hempstead	Dawson, Alton N.; Ag.-4	Bivins
Crawford, John P.; Ag.-1	Texarkana	Dawson, Charlton E.; A.&S.-1	Wharton
*Crawford, Therman C.; Ag.-3	Palestine	Dawson, Delbert H.; A.&S.-2	Wharton
Crawford, Verda M.; A.&S.-4	Houston	Dawson, Doris E.; A.&S.-1	Bivins
*Crear, Clyde; M.A.-2	Frankston	Dawson, Lillian B.; A.&S.-2	Wortham
(2) Criner, Oseal C.; H.E.-4	Galena Park	*Dawson, Maurice A.; M.A.-2	Waco
*Cromes, Charley C.; A.&S.-1	Milo	Day, Norene L.; H.E.-4	Chickasha, Okla.
Crosby, Bobby Raye; H.E.-4	Longview	Deadrick, Agnes L.; H.E.-3	Palacios
Crosby, Willie James; Ag.-1	Hemstead	Dean, Frank, Jr.; M.A.-2	Anderson
Cross, Clifford E.; A.&S.-3	Nacogdoches	Debose, Clifford; A.&S.-1	Ennis
*Crowder, Cleon; M.A.-2	Pittsburg	*DeRose, J. B.; A.&S.-3	Navasota
(2) Crunk, Arthur Marie;		*DeBose, Lowell V.; M.A.-3	Navasota
A.&S.-3	San Marcos	*DeBose, Thomas; A.&S.-3	Navasota
Cuerington, Aaron M.;		Deckard, Walter V.; M.A.-1	Fort Worth
Ag.-1	Cameron	*Dehorney, Tommy C.; M.A.-1	Denison
Culberson, Alvin J.; A.&S.-1	Wortham	DeJean, Audrey M.; A.&S.-3	Port Arthur
Culberson, Ardella; N.E.-1	Wortham	DeJean, Mary L.; A.&S.-4	Port Arthur
Culberson, Artemesie;		Delamar, Gracie B.; A.&S.-2	Overton
H.E.-3	Wortham	*Demerson, Willard J.;	
Culberson, Arthur Jr.; Ag.-2	Wortham	M.A.-1	Corpus Christi
Cumby, James; A.&S.-1	Fort Worth	*Denmore, Cary Allen; Ag.-4	Elkhart
*Cummings, Marshall;		Deo, Edward; M.A.-1	Lubbock
M.A.-Spec.	Rockdale	(1) Deon, Carlton T.; M.A.-2	Orange
Curry, Bishop B.; Ag.-3	Texarkana	Devereaux, Erma Lee; H.E.-4	Pelly
(2) Curvey, Gilbert V.; Ag.-1	Neches	Deveraux, Veson, Jr.; A.&S.-1	Baytown
Curvey, Olevia H.; A.&S.-3	Neches	*(2) DeWitty, Robert Lee; A.&S.-2	Dallas
*Dabbs, Claude O.; A.&S.-2	Dallas	*Dial, James Q.; Ag.-4	Palestine
Dade, Cornell M.;		*Dibble, John H.; M.A.-3	Temple
M.A.-Spec.	Okmulgee, Okla.	Dickens, Horathel; M.A.-4	Houston
Daniel, Dorothy R.; H.E.-3	Mineola	Dickson, Abner L.; Ag.-1	Anderson
*Daniels, Bledsoe; Ag.-4	Hallsville	Dickerson, Marguerite L.;	
*Daniels, Floyd H.; Ag.-4	Ennis	A.&S.-4	San Diego, Calif.
Daniels, George L.; A.&S.-2	Baytown	Dickson, Estelle; A.&S.-4	Waco
Daniels, Geraldine; H.E.-3	Tyler	Dickson, Lucille C.; H.E.-4	Prairie View
*(2) Daniels, Josiah R.; A.&S.-1	Bryan	Dickson, Orella;	
Daniels, Ruby L.; N.E.-3	Greenville	H.E.-1	Carlsbad, New Mexico
Dansby, Demosthenese C.; Ag.-1	Kilgore	Dickson, Pearl; A.&S.-3	Waco
Darden, William M.; Ag.-1	Barnum	Dillard, Ada B.; A.&S.-2	Brenham
Darkins, Annie Bell; H.E.-1	Beaumont	(1) Dillard, Vela C.; H.E.-3	Kendleton
David, Claud L.; Ag.-2	Lufkin	Dillard, Ward; Ag.-3	Brenham
Davies, Lawrence A.; A.&S.-3	Houston	*Dixon, Simon; Ag.-2	Applesprings
Davis, Alice P.; A.&S.-4	Lufkin	*(1) Donaldson, Ector; M.A.-3	Gilmer
Davis, Augusta; A.&S.-1	Wortham	Donaldson, Lola B.; H.E.-1	Waco
Davis, Bernice H.; H.E.-1	Brookshire	Donley, Clifford E.; A.&S.-1	San Angelo
Davis, Charlie, Jr.; M.A.-2	Seguin	(1) Donovan, Ira A.; Ag.-4	Dime Box
Davis, Christine; H.E.-1	Plano	Donnell, Aaron B.; M.A.-1	Point



	Name	City or Town
Dooley, Eula Mae; A.&S.-Spec.		Prairie View
Dooley, Lee Roy; A.&S.-1		Elberton, Ga.
Dorsey, Allene V.; A.&S.-3		Hempstead
Dorsey, Edna Mae; A.&S.-3		Port Arthur
Dorsey, Thurman E.; Ag.-3		Marlin
Dotson, James B.; A.&S.-4		Sealy
Douglas, Edwin C.; M.A.-1		Sherman
Dow, Mary Ethel; H.E.-1		Bivins
(1) Dowe, Ruth E.; H.E.-1		Bivins
(2) Downey, William R.; A.&S.-2		Dallas
Drisdale, Nettie J.; H.E.-2		West Point
Drummer, Elsworth; A.&S.-3		San Antonio
Drummer, Murline A.; H.E.-1		Hughes Springs
*Drummond, Louis Charles; M.A.-2		Dallas
(1) Drummond, Pauline B.; A.&S.-3		Dallas
Dugat, Joyce M.; A.&S.-1		Pelly
Dukes, Gloria H.; H.E.-4		Oklahoma City, Okla.
*Duncan, Joseph, Jr.; M.A.-1		Port Arthur
(2) Duncan, Willard; M.A.-2		Liberty
Dunham, Bettye Jean; A.&S.-1		Livingston
Dunn, Mable Lee; H.E.-2		Hearne
*Dunn, Willie; Ag.-2		Corrigan
*Durham, Robert E.; M.A.-1		Muskogee, Okla.
Durden, George Lee; Ag.-1		Crockett
Durten, Willie Marie; A.&S.-3		Tyler
Dyes, Raymond F.; Ag.-2		Queen
(1) Eames, Ida Mae; N.E.-Grad.		Baton Rouge, La.
Eaton, Arthur; A.&S.-1		College Station
Ector, Nella Mae; A.&S.-3		Dallas
Edmunson, Berdie Lea; A.&S.-4		Navasota
*Edmunson, Gust; M.A.-1		Denison
Edwards, Geraldine; A.&S.-1		Henderson
*Edwards, Labbe T.; Ag.-3		Palestine
Edwards, Lovell Patricia; A.&S.-1		Jacksonville
Edwards, Vernon V.; Ag.-1		Bremond
(2) Elder, Gertrude M.; A.&S.-Grad.		Austin
(1) Ellis, Alonzo; Ag.-4		New Boston
Ellis, Claude A.; M.A.-1		Port Arthur
(1) Ellis, David A.; M.A.-1		San Antonio
(2) Ellis, Della Mae; H.E.-Spec.		Houston
Ellis, Neal E.; A.&S.-2		Terrell
(1) Ellison, Harold; A.&S.-Grad.		Austin
Elmore, Herbert J.; A.&S.-3		Coldsprings
Elmore, Rosetta Faye; H.E.-4		Coldsprings
*Elzy, Willie Barin; A.&S.-3		Houston
*Emanuel, Jimmie Lee; Ag.-2		Dallas
Emanuel, Pearl J.; H.E.-1		Groveton
Emery, Mary Opal; H.E.-2		Honey Grove
English, Fay L.; A.&S.-2		Marlin
*English, Leon G.; Ag.-Grad.		Waxahachie
English, Warner Lee; A.&S.-3		Yoakum
*Epperson, Fred S.; M.A.-Grad.		Hearne
*Escoe, Edward E.; M.A.-3		Denison
Evans, Catherine C.; H.E.-4		Houston
Evans, Jerelene; M.A.-4		Houston
*Evans, McCoy; Ag.-1		Tyler
Everett, Marie F.; H.E.-4		Sherman
Ewell, Jenelle Ann; H.E.-1		Frankton
Ewell, Valeris O.; Ag.-1		Frankton
(1) Ewing, Billy J.; A.&S.-1		Fort Worth
Ewing, Onie Mae; A.&S.-1		Washington
Farris, Charlye Ola; A.&S.-4		Wichita Falls
*Farris, William M.; M.A.-4		Denison
Fedford, Izola E.; A.&S.-4		Galveston
Felder, Wayman; M.A.-Spec.		Washington
Ferguson, Annie Ruth; A.&S.-2		Overton
(1) Ferguson, Gene Arthur; M.A.-1		Mart
*Ferguson, James D.; A.&S.-4		Dallas
*Fielder, John; M.A.-Spec.		Galveston
Fields, Irene D.; A.&S.-1		Fort Worth
Fields, Maxine; A.&S.-1		Fort Worth
Fields, Naoman; A.&S.-2		Marshall
*(2) Finch, Melvin L.; M.A.-Spec.		Hempstead
Finley, Louise; H. E.-1		Brenham
Fisher, Beulah Faye; H.E.-3		Waco
Fitzgerald, Shirley; N.E.-3		Port Lavaca
(2) Flemings, Annie B.; A.&S.-2		Rockdale
Flemings, Leo W.; Ag.-1		Omaha
Flemings, Winfred; M.A.-3		Dallas
Fletcher, Thelma; A.&S.-2		Bay City
Flowers, Tommy Lee; M.A.-2		Corsicana
Floyd, Charles L.; Ag.-1		Pittsburg
Floyd, Hortense; A.&S.-4		Houston
*Foard, John Henry; A.&S.-1		Cuero
*Fobbs, Oliver A.; Ag.-4		Oakwood
Fontno, Leonard T.; A.&S.-1		Beaumont
Ford, Eugene, Jr.; M.A.-4		El Paso
*Ford, Freddie; Ag.-3		Jefferson
Ford, Ida Jo; A.&S.-1		San Antonio
Ford, Leander; A.&S.-3		El Paso
Ford, Leona; A.&S.-3		El Paso
Ford, Ray; A.&S.-4		Dobbin
*Ford, Roland; A.&S.-1		El Paso
Foreman, Wanda Mae; H.E.-1		Beaumont
*Forte, Ulycess; Ag.-1		Hooks
Forward, Dolris, J.; A.&S.-2		Kirbyville
*Foston, Arthur Lee; M.A.-4		Needville
Foston, Ruth; H.E.-1		Houston
*Fowler, Freddie Ben; A.&S.-1		Wiergate
Fox, Onis V.; H.E.-3		Denton
*Francis, Luther V.; M.A.-2		Paris
Franklin, Augustine; A.&S.-1		Port Arthur
Franklin, Gazell; A.&S.-3		Trinity
Franklin, Homer D.; A.&S.-2		Longview
Franklin, James W.; A.&S.-1		Karnack
Franklin, Marjorie T.; A.&S.-1		Karnack
*Franklin, Perry Lee; Ag.-1		Chapel Hill
(1) Franklin, Versalean; H.E.-1		Troup
*Franklin, William C.; A.&S.-1		Wewoka, Okla.
Frazier, David; Ag.-2		Woodville
Frazier, Dorsey Jean; A.&S.-3		Kirvin
Frazier, Maud, Jr.; Ag.-4		Woodville
(2) Frazier, Mary M.; H.E.-4		Kirvin
Frazier, Ola V.; H.E.-1		Woodville
*Frazier, Sammie Lee; Ag.-4		Navasota
*Frazier, Tommy L.; Ag.-4		Zavalla
*Freeman, Bogie Lee; A.&S.-3		Hempstead
*Freeman, John Lane; Ag.-3		Coolidge
(1) Freeman, Lena Y.; A.&S.-2		Mexia
Freeman, Mary Lou; A.&S.-3		Liberty
Fry, Mary Ethel; A.&S.-1		Prairie View
Frye, Billie K.; N.E.-1		Jacksonville
(1) Fucuals, Jean E.; H.E.-1		Fort Worth
Fulbright, Eura Lee; H.E.-2		Paris
(1) Fuller, Harry E.; M.A.-Spec.		Prairie View
(1) Fusiller, Frederick L.; A.&S.-1		Beaumont
Gamble, Audry Lee; A.&S.-4		Hearne
Gamble, Booker T.; A.&S.-1		Clarksville
Gamble, Theodore W.; M.A.-1		Omaha
Gardner, Annie Mae; A.&S.-3		Wharton
(1) Gardner, Charlie W.; Ag.-2		Brenham
Garland, Tommie Lee; H.E.-3		Henderson
Garmond, Ruby Lee; H.E.-4		Houston
Garner, Audrey Mae; H.E.-1		Winona
Garnett, Ervin; A.&S.-2		Portland, Oregon
*Garrett, C. J.; M.A.-1		Greenville
*Garrett, Calvin J.; M.A.-4		Damon
Garrett, Golda; A.&S.-1		Nacogdoches
Garrett, Henderson; Ag.-1		Kirvin
(2) Garrett, Myrtle; H.E.-Grad.		Longview

Name	City or Town	Name	City or Town
Felder, Robert C.; H.E.-3	Washington	Guinn, Idell D.; H.E.-1	Jefferson
* (1) Garrett, Tilford; A.&S.-1	Nacogdoches	*Guinn, Oscar J.; Ag.-1	Jefferson
Garrett, Willie L.; A.&S.-2	Broadus	*Guyden, Robert; A.&S.-1	Dallas
Gatson, Albert; A.&S.-1	Henderson	*Hackett, Marion A.; A.&S.-4	Victoria
Gee, Selton; H.E.-4	Tyler	*Hackett, Samuel D.; A.&S.-3	Corpus Christi
Gee, Vivian E.; A.&S.-2	Tyler	Hackett, Sylvester; A.S.-1	Corpus Christi
(2) Gerald, Delores; A.&S.-Grad.	Prairie View	Haley, Augustine V.; A.&S.-3	Houston
Geraid, William R.; A.&S.-4	Prairie View	Hall, Doris Jean; A.&S.-2	Ennis
Gibson, Louis Edna; A.&S.-3	Calvert	* (1) Hall, Everett; M.A.-2	Big Sandy
*Gibson, Olester; Ag.-1	Teague	Hall, Felix H.; M.A.-1	Washington
Gibson, Plez; M.A.-Spec.	Calvert	Hall, Howard; A.&S.-4	Angleton
Gibson, Thelma Lee; H.E.-2	West Columbia	*Hall, James A.; Ag.-2	Marietta
Gilbert, Janet; A.&S.-2	Coleman	Hall, Melba Lois; A.&S.-3	Corpus Christi
*Gilbert, Louis Gene; Ag.-2	Coleman	Hall, Pellie D.; N.E.-3	Mt. Enterprise
Gilbert, Willie D.; A.&S.-1	Pelly	*Hallman, Grant T.; Ag.-4	Kerens
* (2) Giles, Cornell; A.&S.-Uncl.	Yoakum	Hamilton, Freddie Mae; H.E.-2	Beaumont
*Giles, Ira; M.A.-Spec.	Van Vleck	Hampton, Joe W.; A.&S.-1	Kerens
Giles, Kempilton L.; M.A.-1	Pierce	*Hampton, Theodore C.; Ag.-Spec.	Dallas
(1) Giles, Leon G.; A.&S.-2	Texas City	Hancock, Gollia M.; A.&S.-1	Mineola
*Giles, Marcellus; Ag.-2	Yoakum	Handy, Irma Lee; A.&S.-4	Houston
*Giles, Russell; A.&S.-3	Yoakum	*Hansboro, Odis Lee; M.A.-4	Wichita Falls
*Gilmore, Chester; M.A.-Spec.	Silsbee	Hardeman, Luella; A.&S.-3	Sealy
*Gipson, Audric; M.A.-4	Cameron	*Harden, Harold M.; A.&S.-4	Dallas
*Gipson, Willie W.; A.&S.-1	Corpus Christi	(2) Harden, Lottie; H.E.-4	Chireno
*Givens, Clarence; A.&S.-2	Palestine	Harden, Ruby B.; H.E.-Grad.	Brenham
Glass, Bettye J.; A.&S.-1	Fort Worth	Hardway, Booker T.; A.S.-1	Prairie View
Glass, Sally M.; A.&S.-2	Dallas	(2) Hardway, Sarah Lee; H.E.-4	Galveston
*Goins, Dewey M.; M.A.-1	Dallas	Hardie, Alice Mae; A.&S.-2	Athens
*Gooden, Robert P.; Ag.-4	Madisonville	Hardy, Schuyler J.; A.&S.-1	Dallas
*Goodlow, Charles A.; M.A.-1	Abilene	Hargroves, Willie; A.&S.-1	Fort Worth
Goodman, Winold C.; H.E.-3	Beaumont	*Harmon, Marcellus F.; A.&S.-3	Cameron
Goodwin, Annie B.; A.&S.-2	Timpson	Harmon, Naomi V.; N.E.-1	Paris
Goodwine, John H.; M.A.-1	Waller	Harold, Altonia L.; A.&S.-3	Houston
*Goodwyn, Norman H.; M.A.-1	Center	Harper, Doris V.; A.&S.-1	Houston
*Gosey, Lewis E.; A.&S.-1	Negreet, La.	*Harris, Alton D.; Ag.-4	Houston
*Goyns, Bonnie; M.A.-Spec.	Naples	*Harris, Alvin T.; M.A.-Spec.	Corpus Christi
Goyns, Theron H.; A.&S.-1	Texarkana	Harris, Harriet R.; H.E.-4	Bay City
* (1) Grace, Albert; M.A.-1	Kenedy	Harris, Herbert C.; A.&S.-3	Columbus
Graham, Van Thomas; A.&S.-4	Waxahachie	*Harris, James D.; Ag.-4	Italy
*Grandison, Francis L.; A.S.-4	Prairie View	Harrison, Meatra D.; H.E.-2	Luling
*Grant, Boston P.; A.&S.-3	Austin	Harrison, Raphael A.; M.A.-1	Tyler
*Grant, Charles F.; A.&S.-1	Rockdale	Harrison, Ray A.; Ag.-4	Luling
Graves, Clovis C.; A.&S.-4	Paris	Harrison, Richard W.; A.&S.-Grad.	Beaumont
(1) Graves, Raymond; A.&S.-2	Brenham	(2) Harrison, Thelma R.; H.E.-4	Port Arthur
*Gray, Edward G.; Ag.-1	Paris	(1) Harrison, Wonderous J.; N.E.-1	Huntsville
Gray, Howard P.; Ag.-4	Houston	Hart, Julia A.; A.&S.-1	Gilmer
Gray, Wilmer Jean; A.&S.-1	Fort Worth	(2) Harvey, Dorothy J.; A.&S.-1	Fort Worth
Gray, Wilmer O.; A.&S.-1	Dallas	Hatley, Opal J.; A.&S.-1	Dallas
*Grays, Zack; Ag.-4	Bryan	Hauntz, Millie B.; A.&S.-2	Wharton
* (2) Green, Curly; M.A.-Spec.	College Station	*Hawkins, Willie Charles; M.A.-4	Houston
(1) Green, Gladys; H.E.-Grad.	Cameron	Hayes, Alvin L.; M.A.-1	Big Sandy
(2) Green, Hazel V.; H.E.-1	Palmer	*Hayes, Hattie M.; N.E.-Grad.	Alexandria, La.
*Green, Jobe; A.&S.-1	Ennis	Hays, Luella M.; A.&S.-3	Galveston
Green, John H.; N.E.-1	San Antonio	Haynes, Samuel B.; A.&S.-4	Denton
Greene, Cora L.; A.&S.	Bastrop	Haynes, Thelma; A.&S.-2	Victoria
Greenwell, William C.; M.A.-Spec.	Fort Worth	Haywood, Farry H.; A.&S.-1	San Angelo
Greenwood, Arlene V.; A.S.-1	San Antonio	Heard, Isaiha H.; A.&S.-3	Bloomington
Greenwood, Jennie O.; A.S.-Grad.	Smithville	*Heard, Paris E.; Ag.-3	Cameron
* (1) Greer, Walter; M.A.-4	Center	Heard, Peggie Ruth; A.&S.-1	Houston
Greggs, Delroy; Ag.-1	Quilman	Hearn, Mable L.; A.S.-4	Oklahoma City, Okla.
(1) Greggs, Vivian; A.&S.-4	Dallas	Henderson, Ertell Y.; A.&S.-1	Chickasha, Okla.
*Gregory, George; Ag.-2	Waller	* (1) Henderson, Luria R.; M.A.-Spec.	Austin
*Grice, James F.; M.A.-2	Silsbee		
Grimes, Archie N.; A.&S.-1	Wichita Falls		
Grimes, Theodore W.; A.&S.-2	Wichita Falls		
*Grounds, Jackie; M.A.-4	Brenham		
(1) Grundy, Mozell; A.&S.-2	Wichita Falls		
*Guinn, Ermon E.; Ag.-1	Jefferson		

Name	City or Town	Name	City or Town
Henderson, Ezra Lee;		Hubbard, Jesse B.; H.E.-1	Plano
A.&S.-3	Prairie View	Hubert, Earline; A.&S.-2	Camden
Henderson, Grace; A.&S.-2	Athens	Hudson, Ida Mae; H.E.-4	Carthage
Henderson, Johnnie R.; A.&S.-1	Athens	Hudson, Marjorie L.; A.&S.-1	Hearne
*Henderson, Lavanuel L.; Ag.-4	Washington	Hudson, Nelva J.; A.&S.-4	Carthage
(1) Henderson, Mae Ella;		*(2) Hudson, Reginald A.;	
A.&S.-Grad.	Prairie View	A.&S.-2	Carthage
Henderson, Raymond E.; M.A.-4	Marlin	*Hudspeth, R. C.; M.A.-2	Hempstead
*Henderson, Riley N.; M.A.-1	Fort Worth	*(1) Huey, Samuel; M.A.-1	Huntsville
*Hendrix, James B.; Ag.-1	Greenville	Huff, Lonnie R.; Ag.-3	Victoria
Henley, Van; M.A.-3	Waco	*(1) Hughes, Robert A.; A.&S.-4	Brenham
Henry, Edith J.; A.&S.-1	Georgetown	Hughley, Doris R.; A.&S.-3	Point Blank
Henry, Istria I.; A.&S.-4	Eagle Lake	*Hunt, Alexander H.;	
(1) Henson, Johnnie Mae;		A.&S.-4	Corpus Christi
A.&S.-1	West Point	Hunt, Willie Mae; H.E.-3	Houston
Hester, Mildred L.; A.&S.-4	Silsbee	Hunter, Blyntha L.; A.&S.-3	Fort Worth
*Hewett, Beverly Lonnie;		*Hunter, Cornelius; Ag.-2	Frankston
Ag.-1	Fort Worth	Hunter, Emma L.; A.&S.-4	Pampa
(1) Hewitt, Lessie Mae; H.E.-4	Calvert	Hutchins, Mary K.; H.E.-4	Longview
Hicks, Hattie Mae; H.E.-2	Grapeland	Irving, Walter; Ag.-1	Fort Bend
Hicks, Leonard Dan; Ag.-3	Applespring	Isaac, Coydell E.; M.A.-4	Dallas
Hicks, Willie A.; M.A.-2	Shreveport, La.	Jackson, Andrew Mae; A.&S.-3	Waco
Hightower, Irene; A.&S.-3	Shiro	Jackson, Badie L.; N.E.-4	Wharton
Hightower, Richard H.; M.A.-1	Huntsville	*Jackson, Clarence H.; A.&S.-4	Pittsburg
(1) Heights, Geneva; H.E.-3	Minerva	Jackson, Darcell; A.&S.-1	Navasota
*(2) Hill, Alvin J.; Ag.-4	Hempstead	Jackson, Doris A.;	
*Hill, Chester; A.&S.-1	Maples	A.&S.-1	Chickasha, Okla.
Hill, Irma U.; A.&S.-4	Jasper	Jackson, Glen Dora; A.&S.-2	Ennis
*Hill, L. J.; Ag.-3	Henderson	*(1) Jackson, Herbert L.; M.A.-2	Midway
Hill, Lovie Marie; H.E.-Grad.	Hempstead	*(1) Jackson, James C.; Ag.-4	Bay City
Hill, Matthew W.; A.&S.-1	Naples	*Jackson, James F.;	
*Hill, Morrison A.; Ag.-4	Henderson	A.&S.-Grad.	San Antonio
*Hill, Sammie L.; Ag.-4	Pittsburg	*Jackson, Leroy; M.A.-2	Montgomery
Hilliard, Herbert H.; Ag.-1	New Boston	(2) Jackson, Louis B.; Ag.-3	Pledger
Hillyer, Lillie M.; A.&S.-2	Goliad	Jackson, Lowell E.; A.&S.-2	San Antonio
Hilton, Jacob H.; A.&S.-1	Beaumont	*(2) Jackson, Maurice R.;	
*Hines, Allen J.; M.A.-Spec.	Jefferson	A.&S.-1	Beaumont
Hines, Jean L.; H.E.-2	Houston	Jackson, Naomi Ruth; H.E.-1	Troup
Hines, Marguerite E.; A.&S.-1	Corsicana	Jackson, Nollie A.; A.&S.-Spec.	Dallas
*Hoby, Clinton; Ag.-4	Greenville	Jackson, Oliver; A.&S.-1	Waco
*Hodge, Lee Carl; A.&S.-1	Garrison	Jackson, Ora D.; A.&S.-1	Tyler
Hodge, Loma C.; A.&S.-2	Mt. Enterprise	Jackson, Othello C.; A.&S.-4	Dallas
Hodge, Willie A.; M.A.-2	San Antonio	Jackson, Rebecca Lee; A.&S.-1	Bay City
Hogue, Joseph; Ag.-2	Richards	Jackson, Roosevelt; Ag.-1	Hallsville
*Hollins, Arntie E.;		Jackson, Sherman H.; A.&S.-4	Yoakum
A.&S.-Grad.	San Marcos	Jackson, Silla Mae; A.&S.-1	Naples
Hollins, Lee Norman; A.&S.-1	Houston	(2) Jackson, Timothy; Ag.-1	Navasota
*Holloway B.; A.&S.-1	Normangee	Jackson, Velma M.; A.&S.-1	Henderson
*Holloway, L. B.; M.A.-Spec.	DeKalb	Jackson, Verdell; H.E.-2	Ennis
Holman, Edward; M.A.-Spec.	Henderson	Jackson, Wanda L.; H.E.-2	Sherman
Holmes, Beulah Mae; H.E.-2	Kerens	*Jackson, Willie L.; M.A.-2	Waco
Holmes, Calvin C.; M.A.-Spec.	Kerens	Jackson, Woodrow; Ag.-3	Navasota
Holt, Annie B.; H.E.-2	Lindale	Jacobs, Walta Mae; N.E.-4	Longview
Holt, Dorothy Marie; H.E.-3	Galveston	James, Chleo A.; A.&S.-3	Dallas
*Holt, Joe; M.A.-Spec.	Sherman	*James, Eldridge D.; Ag.-4	Conroe
*Holt, Johnnie C.; A.&S.-1	Lindale	James Freddie Mae; H.E.-3	Houston
Hooks, Jesse; M.A.-1	De Kalb	James, Joe H.; Ag.-1	Conroe
(1) Hopkins, Janetta B.;		James, Nathalla Helen; A.&S.-4	Houston
M.A.-Spec.	Bremond	James, William Lee; A.&S.-1	Beaumont
Hopkins, Thelma G.; H.E.-4	Beeville	Jameson, Florence; H.E.-2	Washington
*Hopper, Charles Gene; A.&S.-1	Beaumont	(2) Jefferson, Lettie L.; A.&S.-2	Houston
Horace, Eulalia; A.&S.-2	Houston	Jennings, Estelle P.; A.&S.-2	San Antonio
Horne, Essie Lois; H.E.-1	Dickinson	Jernigan, Ladell; Ag.-4	Longview
(1) Horace, Leo V.; A.&S.-1	Marshall	Jessie, Lovie O.; Ag.-1	Flint
(1) Hoskins, Blossie T.; A.&S.-4	Houston	(2) Jessie, Robert Lee; M.A.-1	Flint
*Houston, Ross Allen; M.A.-Spec.	Bastrop	Jingles, Alzena Marie; H.E.-4	Athens
*Howard, Edward L.; A.&S.-2	Conroe	Jingles, Marjorie D.; A.&S.-3	Athens
Howard, Gloria J.; A.&S.-1	Fort Worth	*Johns, Clarence H.; A.&S.-3	Silsbee
Howard, Jake Elton;		Johns, Hayward; Ag.-4	Carthage
M.A.-1	Shreveport, La.	Johnson, Alice Mae; A.&S.-4	Houston
*Howard, Jesse;		Johnson, Anita E. L.; H.E.-4	San Antonio
M.A.-Spec.	Kansas City, Kansas	Johnson, Beatrice E.; H.E.-4	Houston
*Howard, Leroy; M.A.-2	Fort Worth	Johnson, Bertha L.; A.&S.-4	Houston
Howard, Sheryl Ann; A.&S.-4	Denison	(2) Johnson, Blanche E.;	
*Hubbard, Australia C.; Ag.-2	Hooks	A.&S.-Spec.	Texarkana

Name	City or Town	Name	City or Town
Johnson, Cephus Lee; Ag.-3	Naples	*Jones, William E.; M.A.-2	McGregor
*Johnson, Clarence W.; Ag.-2	Bullard	*Jones, Willie E.; Ag.-Spec.	Marshall
(1) Johnson, Compton H.;		(2) Jones, Willie E.; A.&S.-1	Giddings
A.&S.-Grad.	Prairie View	Jordan, Aleene G.; N.E.-1	San Antonio
*Johnson, Daniel Lee;		*Jordan, Otris; M.A.-4	Hempstead
A.&S.-3	Vallejo, Calif.	*(1) Jordan, Will; A.&S.-2	Navasota
Johnson, David E.; A.&S.-4	Texarkana	Joseph, Verma Lee; A.&S.-2	Seguin
*Johnson, Eddie P.; A.&S.-3	Dallas	Justice, Ivory M.; A.&S.-1	Fort Worth
(1) Johnson, Edna Lee; H.E.-2	Longview	Kaufman, Laurice M.; A.&S.-1	Houston
*Johnson, Erby T.; Ag.-3	Marietta	Keith, Curtis A.; M.A.-1	Wharton
Johnson, Essie Mae; H.E.-2	Dallas	Keith, Ida Mae; A.&S.-3	Wharton
Johnson, Eugene; M.A.-2	Jasper	Kelly, Bettie J.; H.E.-1	Kerens
Johnson, George Rice H.; A.&S.-2	Tyler	Kendle, Clarice L.; A.&S.-3	Rockdale
Johnson, Iva Bell; H.E.-3	Oakwood	*Kendrick, Alvin;	
Johnson, Haywood; Ag.-2	Cushing	M.A.-Spec.	Haynesville, La.
Johnson, Joe Bill; M.A.-1	Calvert	*Kendrick, Laholman;	
Johnson, Johnnie Mae; A.&S.-Grad.	Mexia	M.A.-Spec.	Haynesville, La.
*Johnson, Julius P.; A.&S.-3	Cameron	Kendrick, Margie R.; H.E.-3	Troup
*Johnson, Kirby L.; A.&S.-1	Beaumont	Kenedy, Jimmie V.; Ag.-4	Mexia
*Johnson, L. A.; Ag.-1	Cuney	*Ketchum, Otis; M.A.-2	San Antonio
Johnson, Lieutenant D.;		(1) Kennedy, William; M.A.-1	Overton
A.&S.-1	Pilot Point	*(1) Kearney, Horace E.;	
Johnson, Lula Mae; M.A.-1	Pelly	A.&S.-2	Galveston
(2) Johnson, Martha Ann;		(1) Kerr, Beatrice R.; H.E.-2	Caldwell
A.&S.-Spec.	Dallas	Khrone, Clemmie T.; H.E.-1	Lyons
Johnson, Oscar B.; Ag.-3	Angleton	*Killyon, Everett A.; A.&S.-Grad.	Kosse
*Johnson, Richard K.; Ag.-3	Crockett	(2) Kilpatrick, Alice;	
Johnson, Robbie Lee; A.&S.	Prairie View	A.&S.-Grad.	Prairie View
Johnson, Robert W.;		*Kimble, George N.; A.&S.-3	Axtell
A.&S.-2	Lynchburg, Va.	(2) Kimble, Westerfield;	
Johnson, Solomon; M.A.-2	Orange	A.&S.-Spec.	Prairie View
Johnson, Stella L.; M.A.-3	Houston	*King, Ben; M.A.-Spec.	Corpus Christi
Johnson, Thelma L.; H.E.-4	Austin	King, Doris Raye; H.E.-2	Tenaha
Johnson, Vernice; A.&S.-1	Belton	(2) King, Dorothy B.;	
Johnson, Walter E.; A.&S.-1	Dallas	A.&S.-Grad.	Prairie View
Johnson, Will; M.A.-1	Chester	*King, Eugene; A.&S.-1	Blanchard
*Johnson, William Lee; A.&S.-2	Waco	King, Flowers V.; A.&S.-2	Lufkin
Johnson, Yvonne; H.E.-3	Orange	King, Geraldine L.; A.&S.-4	Orange
*(2) Johnston, William C.; A.&S.-4	Abilene	*King, Harvey F.; A.&S.-4	Crockett
Jones, Alexander H.; A.&S.-1	Fort Worth	King, Loraine M.; A.&S.-1	San Antonio
*Jones, Alfred P.; Ag.-1	Big Sandy	King, Rubye C.; H.E.-4	Nacogdoches
Jones, Alva L.; H.E.-4	Overton	*King, Willie G.; Ag.-2	Tenaha
(1) Jones, Annie Lee; A.&S.-2	Brenham	King, Willeola; A.&S.-3	Orange
*Jones, Bert W.; M.A.-1	Tulsa, Okla.	Kinlaw, Eva Bell; H.E.-3	Washington
Jones, Bertha Mae; A.&S.-2	Fort Worth	*Kirby, John H.; Ag.-3	Hempstead
(1) Jones, Carolyn R.; A.&S.-1	Lufkin	Kirby, Marion B.; H.E.-3	Hempstead
*Jones, Charles; M.A.-3	Denton	Kirby, Maxine I.; H.E.-3	Hempstead
(2) Jones, Clem; M.A.-Spec.		Kirk, Gretel; A.&S.-4	Jefferson
Jones, Cleo L.; A.&S.-1	Elgin	Kirk, Helen C.; A.&S.-1	Prairie View
*Jones, Cleo Paul; A.&S.-1	Palestine	Kirk, Leon; M.A.-3	Jefferson
*Jones, Emmitt; Ag.-1	Gause	*Kirk, McKinley H.; Ag.-2	Jefferson
Jones, Ernestine F.; H.E.-4	Jacksonville	Kirkpatrick, Brayless F.; H.E.-2	Ennis
Jones, Florence E.; A.&S.-4	Houston	(2) Kitchen, James C.;	
*Jones, Frank A.; A.&S.-2	Rockdale	M.A.-Spec.	Port Lavaca
Jones, Gaylon M.; M.A.-Spec.	Cuero	Kitchen, Lottie C.; A.&S.-4	Port Lavaca
Jones, Harvey D.; Ag.-1	Longview	Kline, Eva P.; A.&S.-4	Gonzales
*Jones, John P.; A.&S.-3	Silsbee	*Kline, Noah V. C.; Ag.-4	Gonzales
*(1) Jones, Johnnie J.; M.A.-1	Longview	(2) Knight, Mary Ann; H.E.-1	Cameron
Jones, Johnnie Mae; A.&S.-2	Fort Worth	(2) Knighton, Carrie B.;	
Jones, Marion Lois; H.E.-3	Houston	A.&S.-Grad.	Prairie View
*Jones, Mavis C.; M.A.-Spec.	Overton	Knighton, Emerson S.;	
Jones, Mercedes; A.&S.-1	Beaumont	A.&S.-Grad.	Galveston
Jones, Minnie Alma; A.&S.-1	Lufkin	*Knighton, Homer; Ag.-4	Newton
Jones, N. A.; M.A.-1	Prairie View	Knotts, Dorris X. C.; A.&S.-3	Round Top
(2) Jones, Nancy E.; H.E.-1	Gause	*Knotts, Weldon; A.&S.-1	San Antonio
*(2) Jones, Napoleon A.; A.&S.-2	Marshall	(2) Knowles, Elizabeth J.;	
(1) Jones, Pansy; A.&S.-4	Lufkin	A.&S.-4	Houston
(2) Jones, Roland; A.&S.-4	Texarkana	Koontz, Katherin J.; A.&S.-1	Sweet Home
Jones, Roosevelt; A.&S.-1	Fort Worth	Kyle, Joe F.; A.&S.-1	West Columbia
Jones, Roscoe Riley; A.&S.-3	Texarkana	Lacy, Albert W.; Ag.-4	Troup
Jones, Roscoe Rufus; M.A.-2	Overton	*Lacy, Thedford L.; Ag.-4	Jacksonville
Jones, Ruth E.; H.E.-3	Fort Worth	Ladd, Charlie H.; A.&S.-1	Pittsburg
Jones, Velma; A.&S.-1	Caldwell	Laddie, Sam; A.&S.-1	Bay City
(1) Jones, Verdine A.;		Laford, Irene; A.&S.-1	San Antonio
A.&S.-4	Port Arthur	*Landers, Bennie; A.&S.-2	Dallas

Name	City or Town	Name	City or Town
(1) Lane, Willie D.; M.A.-Spec.	Lovelady	(1) Lynn, Vera L.; H.E.-4	Harlton
(1) Langham, Ruth E.; A.&S.-3	Galveston	*Lyons, Carrol J.; M.A.-Spec.	Baytown
Langley, Mary L.; H.E.-4	Carthage	McAfee, Magdalene G.; H.E.-2	Brenham
Langston, Essie G.; H.E.-3	Terrell	McCarter, Barbara; A.&S.-2	Beaumont
*Larry, George I.; M.A.-2	Crowley, La.	McClure, El Marie; A.&S.-4	Jacksonville
Lavert, Ralph C.; A.&S.-3	Texarkana	(1) McClure, Theodore P.;	
Lavert, Robzene; A.&S.-1	Texarkana	Ag-1	Jacksonville
Law, Ernestine; H.E.-4	Bay City	McCoy, Rubye A.; A.&S.-2	Carmine
Lawrence, Albert; A.&S.-2	Richards	*McCracken, Emanuel;	
*Lawrence, Jack B.; Ag-4	Richards	M.A.-Spec.	San Antonio
Laws, Queen E.; H.E.-2	Bryan	(1) McCollum, Mercia M.;	
Lawson, Gladys R.; A.&S.-4	Montgomery	M.A.-Spec.	Prairie View
*Lawson, James C.; Ag-1	Atlanta	*McCray, Otis; Ag-1	Chapel Hill
*Lawson, James N.; A.&S.-1	Omaha	*McDaniel, Doyle L.;	
Leach, Henry L.; A.&S.-3	Fort Worth	A.&S.-Grad.	Benchley
Leath, Katie G.; N.E.-1	Cameron	*McDaniel, Robert T.; A.&S.-4	Fort Worth
Lee, Cleotha M.; A.&S.-3	Port Arthur	McDonald, Arthur B.;	
(2) Lee, Donnell; A.&S.-1	Dallas	A.&S.-2	Jacksonville, Fla.
(1) Lee, E. R.; A.&S.-Grad.	Crockett	McDonald, Betty Jean; H.E.-3	Houston
(2) Lee, Francis L.; A.&S.-4	Dallas	*McDonald, Clinton C.; M.A.-Spec.	Plano
Lee, Gloria Mae; A.&S.-2	Port Arthur	(1) McDonald, Lucy M.;	
Lee, Harold H.; Ag-3	Sulphur Springs	A.&S.-Grad.	Ferris
Lee, John B.; M.A.-1	Fort Worth	*McDonald, Mattie Mae; A.&S.-3	Orange
Lee, Laura E.; H.E.-1	Beaumont	McFadden, Frank E.; M.A.-4	Houston
Lee, Lois Mae; A.&S.-2	Port Arthur	McFadden, Wendell R.; M.A.-1	Houston
(2) Lee, Marvis J.; A.&S.-1	San Antonio	McGaughey, Kenneth A.; A.&S.-4	Dallas
(1) L-fall, Jannie B.; A.&S.-1	Marshall	*McGill, Timothy L.; A.&S.-2	Mt. Pleasant
Lemons, Audrey L.; A.&S.-1	Galveston	McGowen, Curtis B.; A.&S.-4	Houston
*Leonard, Carl W.; M.A.-Spec.	Smithville	(1) McGowen, Ernest B.; M.A.-3	Lufkin
Leonard, Kenneth E.; M.A.-1	Smithville	McGriff, Virginia L.; A.&S.-4	Elkhart
Leslie, Ruthie Lee; A.&S.-4	Kerens	*McIntosh, Elvin; M.A.-Spec.	Dallas
*Lester, Henry C.; M.A.-4	Marshall	(1) McKee, John V.; M.A.-Spec.	Rockdale
Lester, Trcnna Mae; H.E.-1	Fort Worth	McKee, Stacy; Ag-1	Athens
(1) Livingston, Mae H.; H.E.-4	Fort Worth	McKie, Lois Ann; H.E.-2	Kerens
*Lewis, Alfred J.; A.&S.-3	Port Arthur	McKinney, Ethel Mae; A.&S.-4	Navasota
Lewis, Barbara J.;		*McKinney, James C.; A.&S.-2	Waller
A.&S.-1	Valley Falls, Kansas	McKinney, Milton; A.&S.	Luling
Lewis, Clabe D.; A.&S.-4	Crockett	*McKinnon, Caleb; A.&S.-2	San Antonio
Lewis, Dorothy J.; A.&S.-2	Houston	McKnight, Carrie;	
Lewis, Dorothy Mae; H.E.-2	Beaumont	A.&S.-1	Los Angeles, Calif.
Lewis, Gheretin; A.&S.-2	Fort Worth	(1) McKnight, Drewey; M.A.-4	Denison
Lewis, Gladys; A.&S.-1	Chap-l Hill	McKnight, Georgia M.; A.&S.-3	Denison
*Lewis, Hilliard G.; A.&S.-3	Silsbee	McKnight, Glenda L.; A.&S.-2	Denison
*Lewis, James O.; Ag-4	Henderson	McKnight, James E.; M.A.-1	Denison
Lewis, John Q.; A.&S.-1	Fort Worth	McLendon, Jennie R.; H.E.-3	Waco
*Lewis, Matthew C.; M.A.-2	Fort Worth	*McMillan, Benton E.;	
*Lewis, Milton; Ag-3	Hempstead	A.&S.-2	Fort Worth
*Lewis, Warren G.; M.A.-4	Houston	(2) McMillan, Lemmon C.;	
(1) Lincoln, Albert W.; Ag-4	Queen City	A.&S.-Grad.	Prairie View
*Littles, Elespita; A.&S.-1	San Antonio	McMillan, Lottie R.;	
*Littleton, Eugene I.; M.A.-Spec.	Bryan	A.&S.-1	Mineral Wells
Livingston, Velma; H.E.-1	Houston	McMillan, Vivian L.; H.E.-3	Prairie View
(1) Lloyd, Willie D.;		McNary, Delores L.; H.E.	Thomaston
A.&S.	San Francisco, Calif.	*McNeely, Liggett; M.A.-Spec.	Kilgore
Locke, Willie Jean; A.&S.-3	Coldspring	(1) McNeil, Ada B.; A.&S.-1	Caldwell
Lockett, James O.; A.&S.-1	Bay City	McNeil, Curtis; A.&S.-2	Pampa
Lockhart, Josephine; H.E.-2	Ennis	McNeil, Fern Dell; A.&S.-4	Ennis
Locus, Esie W.; Ag-1	Fort Worth	McNeil, Hester L.; H.E.-1	Beasley
Logan, Valva L.; H.E.-4	Houston	McNeil, Isiah; Ag-4	Caldwell
Lott, Andrew A.; M.A.-4	Houston	McNeil, Mary P.; A.&S.-2	Marlin
Loudd, Jim S.; M.A.-1	Waco	McPherson, Etta Mae; H.E.-3	Gonzales
Love, Agnes J.; A.&S.-3	Beaumont	McPherson, Katie Mae; A.&S.-3	Cuero
Love, Clara B.; A.&S.-1	Teague	*McQueen, Clyde; Ag-2	Lufkin
Love, Ever Mae; H.E.-1	Hearne	McQueen, Elcena; N.E.-1	Camden
(2) Love, John; Ag-2	Beaumont	McVea, Clifton C.; M.A.-3	San Antonio
*Love, John S.; Ag-1	Teague	McWilliams, Katherine; A.&S.-1	Teague
Love, Juanita L.; A.&S.-4	Tyler	(2) Mack, Freddie; Ag.	Pittsburg
Love, Willie E.; M.A.-1	Ennis	*Mack, Oliver W.; Ag-1	Hearne
*Lovelace, Edward; A.&S.-1	Omaha	Mack, Volena; H.E.-4	Linden
*Loyd, Bobbie J.; M.A.-1	Waxahachie	*Madison, William M.;	
Loyd, Gladys M.; A.&S.-4	Saline, La.	A.&S.-Grad.	Navasota
(1) Lucas, Billie D.; M.A.-Spec.	Dallas	*Malone, Cecil D.; Ag-2	Huntington
Lucas, Evelyn R.; N.E.-Grad.	Beaumont	Malone, Clara Bell; H.E.-2	Huntington
Lucas, Minnie Lee; N.E.-Grad.	Beaumont	Malone, Edgar T.; A.&S.-1	Houston
Lynch, Charles E.; Ag-1	Mexia		

Name	City or Town
Malone, Essie H.; H.E.-4	Calvert
Malone, Mildred; N.E.-1	Grayburg
Malone, Sherman W.; A.&S.-2	Wharton
*Malvern, Albert A.; M.A.-3	Denison
Manor, Garnett; A.&S.-1	Tulsa, Okla.
(2) Mark, Levira; A.&S.-2	Apple Springs
(1) Marshall, Arnedo M.; A.&S.-2	Navasota
Marshall, Justene; A.&S.-1	Houston
Marshall, Reecie M.; A.&S.-1	Corsicana
*Marshall, Roy R.; Ag.-2	Marshall
*Martin, Carl J.; A.&S.-4	Prairie View
*Martin, Chauncey L.; A.&S.-4	Lufkin
*Martin, Daniel W.; M.A.-4	Prairie View
Martin, Dorothy K.; A.&S.-1	Prairie View
*Martin, Ernest V.; A.&S.-4	Prairie View
Martin, Exa M.; N.E.-3	Houston
Martin, Grace B.; A.&S.-1	Kerens
*Martin, Grover W.; A.&S.	Prairie View
*Martin, Zealous D.; Ag.-4	Fodice
Mason, Juanita D.; A.&S.-2	Gladewater
*Mathis, Claude C.; A.&S.	Hempstead
(2) Mathis, Darlene D.; A.&S.-1	Smithville
(2) Matlock, Doris E.; H.E.-1	Texarkana
*(2) Matthews, Albert L.; M.A.-Spec.	Texarkana
*Matthews, Alphonse C.; A.&S.-1	Dickinson
*Matthews, Eugene H.; Ag.-3	Brenham
Mavis, Rita Mae; N.E.-1	Galveston
Maxie, Hortense M.; N.E.-1	Eagle Lake
Maxwell, Irma Jean; H.E.-4	Muldrow, Okla.
*Mayes, Charlie, Jr.; Ag.-4	Hempstead
Mayes, Frankie L.; A.&S.-2	West Point
Mayo, Doris A.; H.E.-2	Corpus Christi
Mays, Helen Ruth; A.&S.-1	Wichita Falls
Mays, Ora Lee; H.E.-3	Bellville
*Medlock, Elmer R.; A.&S.-4	Dallas
Medlock, Margaret; H.E.-3	Mexia
Medlock, Oliver; M.A.-Spec.	Dallas
*(2) Melcher, Alvin; A.&S.-1	Houston
Melton, Henry K.; Ag.-1	Beasley
Menefee, Marie A.; H.E.-4	Houston
*Mercer, Astor; M.A.-2	Corpus Christi
Mercer, Berry M.; M.A.-Spec.	Hearne
Mercer, George; A.&S.-3	Hearne
*Meredith, James L.; M.A.-4	Navasota
*Messiah, Clyde J.; A.&S.-3	San Antonio
(1) Metoyer, Rosa B.; A.&S.-4	Dallas
Micheal, Elizabeth A.; A.&S.-3	Tyler
Micheaux, Iola; N.E.-1	Palestine
Micheaux, Magnolia J.; A.&S.-3	Palestine
Mickens, Mary H.; A.&S.-1	Prairie View
Miles, Abram; A.&S.-3	Galveston
Miles, Betty Jean; A.&S.-1	DeKalb
Miles, Hosea; A.&S.-4	Galveston
Miles, Iola L.; A.&S.-4	Hearne
Miles, Jewell M.; A.&S.-3	Hearne
*Miles, Jimmie F.; A.&S.-1	Galveston
Miles, Willie C.; Ag.-1	DeKalb
*Miller, Avery; M.A.-3	Honey Grove
Miller, Clarence A.; A.&S.-1	Corsicana
Miller, Cornelia; A.&S.-4	Dallas
Miller, Lessie Lee; A.&S.-4	Bryan
*(1) Miller, Harley; A.&S.-3	Houston
Miller, Lillie L.; H.E.-3	Hillsboro
Miller, Marjorie L.; A.&S.-3	Marlin
*Miller, Webster T.; A.&S.-2	Berkeley, Calif.
Mills, Essie Mae; H.E.-1	Fort Worth
Mims, Mattie; N.E.-1	Cisco
Mines, Isaiah H.; Ag.-1	Commerce

Name	City or Town
*Mitchell, Charles Sydney; A.&S.	San Angelo
*Mitchell, Edward C.; M.A.-1	Kilgore
*Mitchell, Hubert Lee; A.&S.-2	Daingerfield
Mitchell, James A.; A.&S.-2	Corpus Christi
Mitchell, J. Jewel; A.&S.-2	Elgin
Mitchell, Lois I.; A.&S.-3	Goliad
*(1) Mitchell, Luther J.; M.A.-3	Denison
*Mitchell, Maceo D.; M.A.-1	Hallettsville
(2) Mitchell, Peggy R.; A.&S.-3	Nacogdoches
Mitchell, Rosa B.; A.&S.-3	Port Arthur
Mitchell, Surrulla R.; N.E.-1	Beaumont
Mitchell, Willie; A.&S.-3	Daingerfield
*Monmouth, Reuben L.; M.A.-3	Jacksonville
(1) Modester, Lucile M.; H.E.-4	Kerens
*Monmouth, Wilmer; M.A.-2	Ponta
Monson, Ethelyean; N.E.-4	Lovelady
Montgomery, Alphonso; A.&S.-4	Timpson
*Montgomery, Charles H.; A.&S.-4	Timpson
*Montgomery, Joseph B.; M.A.-Spec.	Quitman
Montgomery, Mildren M.; A.&S.-2	Tatum
*Montgomery, Samuel; Ag.-1	Quitman
*Moore, Ben E.; M.A.-Spec.	Yoakum
Moore, Bessie Mae; A.&S.-3	San Augustine
*Moore, Curtis T.; M.A.-2	Rockdale
Moore, Darthulia; A.&S.-4	Lyons
*Moore, Earnest; M.A.-2	Bryan
Moore, Erma O.; A.&S.	Houston
Moore, Frances P.; N.E.-3	Beaumont
(1) Moore, Irma J.; A.&S.-1	Plum*(1)
*(1) Moore, James O.; A.&S.-3	El Reno, Okla.
(1) Moore, Laverne; A.&S.-1	Gladewater
*Moore, Lawrence; A.&S.-1	Rosenberg
(1) Moore, Lois L.; H.E.-1	Nacogdoches
Moore, Maudetta; A.&S.-1	Conroe
*(2) Moore, Phillip; A.&S.-1	Waco
*Moore, Robert Lee; A.&S.-1	Terrell
Moore, Senolia; A.&S.-1	Conroe
*(1) Moore, Tavey; M.A.-Spec.	Anna
*Moore, Warren G.; Ag.-4	Mt. Pleasant
Moore, Willie B.; M.A.-1	DeKalb
Moore, Zelma Ruth; H.E.-4	Amarillo
Moorer, Mary F.; H.E.-3	Dallas
Mooring, Leon L.; Ag.-3	Roans Prairie
Morgan, Alnita D.; N.E.-3	Bay City
*Morgan, John P.; Ag.-1	Newton
Morgan, Norris; A.&S.-1	Coolidge
Morgan, Roy Nathan; M.A.-4	McGregor
*Morris, Booker T.; A.&S.-1	Cuero
*(1) Morris, Floyd; M.A.-1	Ennis
(1) Morris, Joyce M.; H.E.-4	San Antonio
(1) Morris, Laurene E.; H.E.-2	Newton
Morris, Lillie L.; A.&S.-2	Liberty
*Morris, Madison L.; M.A.-Spec.	Colfax, La.
Morrison, Jimmie J.; A.&S.-2	San Antonio
Morton, Joycelyn R.; A.&S.-1	Fairfield
Mosley, Earl Lee; Ag.-1	Tenaha
*Mosley, James; A.&S.-3	Brownfield
Muckelroy, Cotos H.; A.&S.-1	Hempstead
Muldrow, Cleveland; M.A.-Spec.	Cranford, N. J.
*Mundine, Jack F.; A.&S.-2	Houston
Murphy, Tommie M.; H.E.-3	Bryan
*Murphy, Vandy A.; A.&S.-3	Cameron
*(1) Murray, Leslie C.; M.A.-Spec.	Taylor
(1) Murray, Stella M.; H.E.-2	Huntsville
Myers, Bertha C.; A.&S.-4	Texarkana

Name	City or Town	Name	City or Town
Myers, Jane M.; A.&S.-1	Texarkana	*Peters, James; M.A.-Spec.	Bay City
(1) Myers, Madlyn C.;		*Peters, Sam; M.A.-1	Bay City
A.&S.-4	San Antonio	Peters, Thelma L.;	
Narcisse, Fred L.; M.A.-1	Beaumont	A.&S.-4	Hobbs, New Mexico
Neal, Hubert E.; Ag.-3	Henderson	Pettitt, Christine; H.E.-4	Bay City
*Neal, Robert B.; M.A.-2	Longview	Pettitt, Ennis E.; Ag.-3	Wharton
Nealy, Herbert Lee; A.&S.-2	Temple	*Pettie, Henry; M.A.-3	LaGrange
Nelms, Catherine; H.E.-2	Bryan	Petty, Ernice A.; A.&S.-2	Marlin
Nelson, Annie F.; N.E.-1	Bremond	Petty, Madelyn L.; H.E.-3	Houston
*(1) Nelson, Elijah;		Phelps, Florida J.; A.&S.-3	Houston
A.&S.-1	Alexandria, La.	Phelps, Victoria V.; A.&S.-2	Hitchcock
Nelson, Grace I.; A.&S.-1	Bryan	Phillips, Annie M.; A.&S.-1	Teague
(2) Newman, Fayrene;		Phillips, Barbara J.; H.E.-3	Pilot Point
A.&S.-1	Smithville	(1) Phillips, Eddie K.; H.E.-4	Houston
*Newsome, Elbe; M.A.-3	Brenham	Phillips, Eric M.; H.E.-3	Palestine
Newsome, Katherine; H.E.-3	Brenham	(1) Phillips, Geneva E.; A.&S.-3	Palestine
Newsome, Wilbert J.; A.&S.-4	Houston	Phillips, James; Ag.-1	Chapel Hill
(2) Nicholas, Josephine;		*Phillips, Joseph R.; M.A.-4	Port Arthur
M.A.-Spec.	Prairie View	Phillips, Juanita; N.E.-3	Houston
Nichols, Emma M.; N.E.-3	Beaumont	Phillips, Levater; H.E.-4	Palestine
Nickerson, Cassie M.; A.&S.-4	Galveston	Phillips, Odie Lee; A.&S.-3	West Columbia
Nickerson, George H.; A.&S.-1	Houston	Piercion, Frank J.; A.&S.-2	Beaumont
*Nickleberry, S. J.; Ag.-3	Marietta	Pipkin, Annie V.; A.&S.-4	Prairie View
*Nickson, Willie; M.A.-2	Fort Worth	*Pipkin, Edward; Ag.-4	Ferris
Nobles, Corintha M.; H.E.-1	Caldwell	(2) Pipkin, Maurine L.; A.&S.-1	Carthage
*Nolen, Robert L.; M.A.-3	Waco	*Pipkin, Oscar; A.&S.-2	Prairie View
Norman, Grace; A.&S.-2	Winona	*Pitts, Charles; M.A.-Spec.	San Antonio
*(1) Norman, James H.;		Pleasant, Mildred V.; H.E.-4	Tyler
A.&S.-3	Denver, Colo.	(1) Poindexter, Rachael E.;	
Norris, Helen M.; A.&S.-3	Fort Worth	H.E.-Spec.	Prairie View
Norris, Jean K.; A.&S.-1	Prairie View	*Polk, Jesse B.; Ag.-4	Gonzales
O'Banion, Lorraine;		*(1) Polk, Joel; M.A.-1	Paris
A.&S.-Spec.	Prairie View	*Polk, Ollie C.; A.&S.-4	Yoakum
Odom, Larutha M.; A.&S.-4	Newton	Pollard, Clifford J.; A.&S.-2	Henderson
Oliver, Mattie B.; A.&S.-4	Navasota	*Poole, Trachanzie; Ag.-3	Cameron
Orange, Edgar W.; M.A.	Overton	Porter, Robert H.; M.A.-1	Tyler
*Osborne, Wallace G.; A.&S.-2	Galveston	Portley, Tessie M.; A.&S.-3	Kilgore
Osby, Allean E.; H.E.-3	Hempstead	*Pouncy, Lenzy K.; M.A.-1	Gladewater
Outley, Freddie Lee; A.&S.-3	Houston	Pouncy, Mitchell L.; A.&S.-1	Palestine
(2) Outley, Juanita M.; A.&S.-1	Houston	Powdrill, Lois B.; H.E.-3	Garrison
Owene, Billie C.; M.A.-1	Texarkana	*Powell, Allison B.; A.&S.-4	Temple
*Owens, Charles C.; M.A.-3	Smithville	(1) Powell, Annie P.; A.&S.-1	Bryan
*Owens, Clarence B.; Ag.-4	Smithville	Powell, Lathell C.; M.A.-3	Temple
*Owens, Emiel W.; A.&S.-Grad.	Smithville	*(1) Powell, Luster; M.A.-1	Wiergate
*(1) Owens, Idelbert; A.&S.-4	Houston	Prater, Lloyd E.; M.A.-1	Tyler
(Deceased)		(1) Pratt, Hortense; A.&S.-2	Navasota
Owens, Julia M.; A.&S.-4	Victoria	*Precipha, Walter E.; Ag.-4	Groesbeck
Owens, Maurice; Ag.-1	Waller	(1) Preston, Dolly C.; H.E.-4	Frankton
Owens, Verda Lee; A.&S.-1	Smithville	Price, Dana M.; H.E.-1	Leigh
Pace, Arthur L.; A.&S.-4	Nacogdoches	Price, David R.; M.A.-4	Denison
Page, Ora Lee; A.&S.-2	Corsicana	Price, Edward F.; A.&S.-1	Smithville
(1) Page, Patsy Lorene;		(1) Price, Ernestine; A.&S.-4	Greenville
H.E.-3	San Augustine	Price, Fannie C.; H.E.-4	Houston
(2) Paire, Minnie H.; A.&S.-4	Dallas	Price, Lawrence D.; Ag.-2	Montgomery
*Pannell, Lowell A.; Ag.-1	Reagan	Price, Willie R.; A.&S.-2	Smithville
Parker, Doris R.; A.&S.-2	Marlin	Priestly, Roger G.; M.A.-3	Lubbock
*Parker, Floid D.; Ag.-1	Kenney	Proctor, Nolan; Ag.-1	Richards
*Parker, George H.; M.A.-1	Galveston	Prophet, Marjorie A.; A.&S.-4	Houston
Parker, Jewelane W.; A.&S.-3	Kenney	*Proutt, Ben; M.A.-Spec.	Muskogee, Okla.
Parish, Alma R.;		*Pruitt, John W.; A.&S.-Grad.	Tyler
A.&S.-3	Tennessee Colony	Pruitt, Marie; A.&S.-2	Dallas
Patterson, Charles F.; A.&S.-1	Beaumont	Pruitt, Willie; A.&S.-1	Fort Worth
*Patterson, Malvin W.; A.&S.-3	Texarkans	Pugh, Lawrence H.; A.&S.-1	Dallas
*Patton, Roy L.; A.&S.-3	Dallas	*(1) Radford, Howell E.; M.A.-2	Hawkins
Payne, Ruth E. M.; H.E.-4	Bastrop	(2) Radford, Opal F.; A.&S.-4	Hawkins
Payton, Ethel B.; A.&S.-1	Texarkana	Raglin, Naomi; A.&S.-1	Richards
Pendarves, Beulah M.; A.&S.-1	Denton	*Ragston, Mitchell; M.A.-Spec.	Hempstead
Pendarves, Mildred M.; A.&S.-3	Denton	*(1) Ralis, Leonard T.;	
Pentecost, Christine; A.&S.-4	Kilgore	M.A.-1	Oklahoma City, Okla.
*Peoples, William H.; Ag.-3	Fort Worth	*Randle, Charles F.; Ag.-3	McGregor
*Peppers, Edwin D.; A.&S.-4	Dallas	Randle, Theodore C.; Ag.-1	Houston
*Perkins, Emmett J.; M.A.-Spec.	Dallas	Randon, Mozella R.; H.E.-3	Brazoria
*Perkins, Lee E.; A.&S.-Grad.	Dallas	*Ransom, Davis Lee; Ag.-4	Mexia
*Perkins, Louis R.; A.&S.-3	Marshall	Rasmus, Rudolph; M.A.-3	Houston
Peters, Hattie M.; H.E.-4	Bay City	Ratcliff, Corene; A.&S.-4	Choice

Name	City or Town	Name	City or Town
Redd, Elmer G.; Ag-3	Tyler	Ross, Allie M.; H.E.-1	Mineola
Redd, Walter; Ag-4	Cameron	Ross, Exia I.; H.E.-4	Corsicana
Redmon, Lola M.; A.&S.-1	Center	Ross, Gwendolyn L.; A.&S.-1	Arp
Redmond, Henry; M.A.-1	Beaumont	Ross, Harding; Ag-4	Huntsville
*Reece, Froncell; Ag-4	Conroe	Ross, Icie R.; A.&S.-3	Arp
Reece, Virgie Mae; A.&S.-2	Pittsburg	Ross, Johnnie; M.A.-1	Beaumont
Reed, George; M.A.-4	Houston	(1) Roy, Vivian E.; A.&S.-4	Houston
*Reed, James W.; A.&S.-2	Fort Worth	Ruckett, Melvina; N.E.-4	Hitchcock
Reed, Johnnie W.; A.&S.-1	Evergreen	*Russaw, Carl L.; Ag-4	Gilmer
Reese, Cleo A.; A.&S.-1	Coldspring	Russell, Fannie L.; A.&S.-2	Hillsboro
Reese, Gaynell O.; H.E.-1	Paris	Russell, Gloria A.; N.E.-4	Fort Worth
*Reese, Lee Roy; Ag-2	Houston	(1) Russell, Karen; A.&S.	Houston
Reese, Richard C.; A.&S.-3	Gladewater	Rutherford, Mary L.; A.&S.-2	Dallas
Reese, Ruby Lee; A.&S.-1	Gladewater	Ryan, Travis L.; A.&S.-1	Fort Worth
Reeves, Eunice M.; H.E.-4	Oakwood	Sadberry, Carolyn J.; H.E.-1	Benchley
Reeves, John E.; Ag-1	Palestine	Sadberry, Sylvia S.; A.&S.-1	Hempstead
*Reynolds, Alton L.; M.A.-Spec.	Hempstead	(1) Sadberry, Thoymme D.; H.E.-4	Benchley
(1) Renfro, Robert L.; Ag-1	Jasper	Sampson, Jerome A.; Ag-1	Houston
(1) Reeves, Annias Bill; A.&S.-1	Gladewater	(1) Sams, Eristus; A.&S.-Grad	Prairie View
*Reynolds, Mose S.; M.A.-1	Mexia	*Samuel, Miller F.; Ag-4	Jasper
Rhinehart, Marye E.; A.&S.-1	Hugo, Okla.	Sanders, Clarence H.; A.&S.-Grad.	Dallas
Rhodes, Charles L.; A.&S.-2	Houston	Sanders, Ethel Mae; H.E.-4	Corpus Christi
*Rhodes, James Ira; M.A.-3	Mt. Pleasant	(2) Sanders, James R.; A.&S.-1	Orange
Rhodes, Robbie Mae; H.E.-4	Houston	Sanders, Verna S.; H.E.-1	Kilgore
Rice, Joe Hill; A.&S.-1	Prairie View	Sapenter, Reginald J.; M.A.-3	Goliad
Richard, Clyde W.; A.&S.-1	Cleburne	Sargent, Alonzo O.; A.&S.-4	Houston
(2) Richards, James H.; M.A.-3	Center	Sargent, Bernice; A.&S.-3	Houston
Richards, Maxine; H.E.-3	Hempstead	Sargent, Emory R.; Ag-1	Sour Lake
Richardson, Camilla M.; A.&S.-2	Galveston	Sargent, Ernest C.; Ag-1	Sour Lake
Richardson, Charles E.; A.&S.-1	Texas City	(2) Sauls, Clarence L.; M.A.-1	Georgetown
Richardson, Conrad; A.&S.-1	Fort Worth	Saunders, Reba N.; H.E.-3	Dallas
*Richardson, Curtis; A.&S.-1	Naples	(1) Scarlett, Maxwell C.; Ag-4	Fort Worth
Richardson, Georgia L.; H.E.-2	Naples	*Scott, Clarence; M.A.-Spec.	Groveton
Richardson, Ina Mae; A.&S.-1	Oakhurst	Scott, Cleopatra; A.&S.-3	Houston
Richardson, Mae F.; A.&S.-3	Texarkana	*Scott, Edward W.; Ag-2	Waller
Richardson, Maple Lee; A.&S.-1	Longview	Scott, Emma; M.A.-1	Lubbock
*Richardson, Morris E.; Ag-3	Texarkana	*Scott, James B.; Ag-2	Jasper
Richmond, Winifred U.; M.A.-Spec.	Axtell	*Scott, John M.; A.&S.-2	Houston
Ricks, Geneva L.; H.E.-1	Dickinson	Scott, Joseph A.; A.&S.-3	San Antonio
*Riddle, Arthur J.; A.&S.-4	Houston	*Scott, Judge L.; Ag-2	Cuney
Rigsby, Rosanna R.; A.&S.-4	Bedias	Scott, Mack E.; A.&S.-1	Crockett
Ritcherson, Solon; M.A.-1	Waco	Scott, Mary Jane; A.&S.-3	Lubbock
Roan, Ozelle E.; A.&S.-1	Pelly	Scott, Mattie Lee, A.&S.-4	El Campo
Roberts, Almada; H.E.-2	Kendleton	Scott, Murline E.; A.&S.-1	Waller
Roberts, Earline M.; H.E.-3	Garrison	Scott, William; M.A.-1	Colorado City
*Roberts, Eddie F.; A.&S.-4	Bay City	Scranton, Lee Audrey; A.&S.-4	Houston
Roberts, Wilmer E.; Ag-3	Lovelady	*Scruggs, James M.; A.&S.-1	Waco
Robinson, Carl A.; A.&S.-2	Fort Worth	Seastrunk, Dempsey H.; Ag-4	Huntington
Robinson, Clara Mae; H.E.-3	Houston	(1) Sepolen, Bobbie Jean; A.&S.-4	Brownwood
(1) Robinson, Flora F.; H.E.-4	Temple	Settle, Alain L.; A.&S.-4	Kilgore
*Robinson, Hillery; M.A.-1	Port Arthur	Sewell, Ruth; H.E.-2	Galveston
Robinson, James; M.A.-1	Richards	Shackleford, Tommie; H.E.-3	Huntsville
*Robinson, James O.; A.&S.-1	LaMarque	Shannon, Agatha; A.&S.-1	Fort Worth
Robinson, Jessie J.; H.E.-4	Bloomburg	Shannon, Evelyn L.; A.&S.-1	Sequin
Robinson, Joe N.; Ag.	Naples	*Sharpe, Talmadge; Ag-1	Jasper
Robinson, Obie Dean; Ag-2	San Antonio	Sharpless, Dorothy M.; H.E.-1	Big Sandy
Robinson, R. Eaulalia; A.&S.-2	Elgin	Shaw, Erma B.; A.&S.-2	Longview
(2) Robinson, Russell L.; A.&S.-1	Chicago, Ill.	Shelton, Myrtle Lee; H.E.-3	Longview
Robinson, Serena; A.&S.-1	Fort Worth	Shepard, Lonnie; Ag-1	Jefferson
Rodgers, Elizabeth L.; A.&S.-1	Paris	Shepard, Vlarie K.; H.E.-2	Jefferson
*Rogers, Jeff O.; M.A.-Spec.	Marshall	Shepard, Walterene; H.E.-1	Marlin
Rodgers, Joe; M.A.-3	Paris	*Shepard, Lawrence; M.A.-1	Tucson, Ariz.
Rogers, Deltesser; A.&S.-3	Abilene	Shepherd, John Bennie; M.A.-1	Crockett
Rogers, Henry; A.&S.-3	Calvert	Shepherd, Ray C.; Ag-1	Grapeland
Rogers, Olsen J.; A.&S.-4	San Antonio	Sherman, Martha E.; H.E.-1	Beaumont
(1) Rogers, Otis O.; Ag-1	Dallas	Shields, Jimmie L.; H.E.-1	Giddings
*Rolark, Ross B.; A.&S.-3	Texarkana	*Shiner, Walter R.; M.A.-1	Corpus Christi
Roligan, Bobbie G.; H.E.-2	Beaumont	Simien, Martha M.; A.&S.-2	Galveston
Rollins, Henry C.; A.&S.-1	Diboll	Simmons, Loretta; A.&S.-4	Hillsboro
Rosborough, Alfonza; A.&S.-1	Longview	Simmons, Oscar; A.&S.-2	Prairie View



Name	City or Town	Name	City or Town
Simon, Odies; Ag.-2	Cushing	Stevens, Estella M.; H.E.-3	Wharton
*Sims, Van E.; A.&S.-4	Italy	*Stevens, Harold; M.A.-Spec.	San Antonio
*(1) Singletary, Herbert L.;		*Stevens, Harry; M.A.-Spec.	San Antonio
M.A.-Spec.	Texarkana	Stevens, Willie M.; A.&S.-1	Fort Worth
Smart, Sadie M.; H.E.-1	Baytown	Stevens, Zella M.; A.&S.	Houston
Smith, Allen; A.&S.-1	Edwards, Miss.	Stevenson, Levoy; Ag.-1	Big Sandy
(1) Smith, Allie R.;		Steward, L. V.; Ag.-1	Weimar
A.&S.-Grad.	Frankston	*Steward, Willie B.; A.&S.-4	Austin
Smith, Anthony; A.&S.-1	Orange	(1) Stewart, Carolyn L.; A.&S.-2	Corsicana
*Smith, Cullen Odece;		Stewart, Ernestine Y.; H.E.-2	Angleton
M.A.-Spec.	Fort Worth	Stewart, Eva Mae; H.E.-3	College Station
*Smith, D. S.; Ag.-2	Gause	Stewart, Inez I.; H.E.-2	Devers
Smith, Doris E.; H.E.-4	Texarkana	Stewart, Joe H.; A.&S.-1	Bryan
Smith, Doris Marie; H.E.-2	Jefferson	Stewart, John R.; A.&S.-1	Bryan
Smith, Dorothy Dell; A.&S.-2	Groesbeck	*(2) Stewart, Johnnie W.; A.&S.-1	Calvert
Smith, Edith C.; A.&S.-1	Texarkana	Stewart, Morris J.; Ag.-1	Kerens
(1) Smith, Edna E.; H.E.-3	Wharton	Stewart, Myre Lee; A.&S.-1	Beaumont
Smith, Evelyn E.; H.E.-4	Amarillo	Stiles, Roger C.; A.&S.-2	San Antonio
Smith, Edna Marie; A.&S.-1	Texarkana	Stockton, Massalina; A.&S.-3	San Antonio
Smith, Elbert; A.&S.-3	Galveston	Stokes, Lois M.; A.&S.-4	Houston
Smith, Fannie Mae; A.&S.-3	Elysian Fields	Stone, Foster Lee; M.A.-Spec.	Paris
(2) Smith, Fay O.; H.E.-2	Huntsville	*Stoney, Raymond; M.A.-2	Corpus Christi
Smith, Gladys M.; A.&S.-4	Houston	Stradford, Billie E.; Ag.-1	Buffalo
(2) Smith, Hartrell; A.&S.-1	DeKalb	*Strange, Douglas; A.&S.-2	Houston
(2) Smith, Horace R.;		(2) Strafford, Kinsley Lee; M.A.-2	Buffalo
A.&S.-2	Lexington, Ky.	Strickland, Doris J.; A.&S.-2	Texarkana
Smith, Howard; M.A.-3	Dallas	*Strickland, Osborne W.;	
Smith, Joe E.; A.&S.-2	Beaumont	A.&S.-2	Texarkana
*Smith, Lavern; Ag.-3	DeKalb	Stringfellow, Floyd; A.&S.-1	Houston
(2) Smith, Lena I.; H.E.-4	Centerville	Stubblefield, Walter E.; Ag.-2	Willis
*Smith, Levester L.; A.&S.-4	Houston	Stykes, Vernice E.; H.E.-3	Giddings
(1) Smith, Lincoln H.; A.&S.-1	Palestine	Sublett, Benjamin H.; M.A.-2	Waco
Smith, Luezella J.; H.E.-4	Palestine	Summers, Ophelia M.; H.E.-3	Dallas
Smith, Marvis A.; A.&S.-3	Cuero	Sumuel, Robert L.; A.&S.-1	Palestine
Smith, Ray D.; M.A.-1	Naples	*Sumuel, Rogers L.; A.&S.-1	Palestine
*Smith, Roy Andrew; Ag.-4	Amarillo	*Sumuel, William C.; M.A.-3	Palestine
*Smith, Walter; A.&S.-Grad.	Dallas	Sutton, Simmie L.; H.E.-1	Jefferson
*Smith, William M.; M.A.-Spec.	Hempstead	*Swain, Euwert E.; M.A.-2	Brenham
(2) Smith, Willie Mae; A.&S.-3	Dallas	Swain, Mable O.; H.E.-1	Vinita, Okla.
Sneed, Burton S.; Ag.-3	Cuney	*(1) Sweatt, Oscar; M.A.-1	Corpus Christi
*Snipes, Jerome; Ag.-3	Oakwood	*(1) Tabb, Henry L.; M.A.-2	Wichita Falls
Snoddy, Wallie Mae; H.E.-3	Longview	Tapp, William H.; A.&S.-3	Hempstead
Snowden, Gloria G.; A.&S.-2	Beaumont	*(2) Tapscott, Edward; A.&S.-2	Navasota
Solomon, James M.; A.&S.-1	Prairie View	Tarver, Golden H.; A.&S.-2	Mt. Pleasant
*Solomon, Samuel L.;		*Tarver, John D.; M.A.-1	San Antonio
A.&S.-3	Prairie View	Tarver, Robert W.; A.&S.-1	San Antonio
*Solomon, Thomas R.;		Tate, John C.; M.A.-2	Kansas City, Mo.
A.&S.-3	Prairie View	Tatum, Carl; M.A.-1	Waxahachie
Sowell, Jerlene; H.E.-1	San Augustine	Tatum, James L.; A.&S.-1	Mineola
(1) Spain, John B.; A.&S.-1	Beaumont	*Tatum, Myrtle Rene; A.&S.-3	San Antonio
*(2) Speights, Arthur J.;		*Taylor, Almus L.;	
M.A.-1	Tampa, Fla.	A.&S.-Grad.	Hempstead
Speller, Eugene T.; Ag.-1	Charleston, Mo.	Taylor, Charles H.; Ag.-4	Kendleton
*Spence, Milt V.; Ag.-3	Marietta	*Taylor, D. V.; Ag.-4	Troup
(1) Spikes, Tyler; A.&S.-2	Beaumont	Taylor, Edward; M.A.-3	Baytown
*Spiller, Jimmie; M.A.-1	Van Vleck	*Taylor, Ernest T.; M.A.-Spec.	La Porte
*Spiller, Samuel; M.A.-1	Van Vleck	Taylor, Estell L.; A.&S.-1	Daingerfield
*Spotser, Craig; A.&S.-1	Waco	Taylor, Franklin B.; A.&S.-1	Floydada
(2) Spradley, Junior U.; M.A.-1	Bay City	Taylor, Gloria N.; A.&S.-4	Houston
Spriggins, Helen Mae; A.&S.-3	Beaumont	*Taylor, Henry F.; A.&S.-2	Hempstead
*Stafford, George; Ag.-4	Italy	Taylor, Lytle L.; A.&S.-2	San Antonio
Stallon, Frances E.; A.&S.-1	Dallas	*Taylor, Marvin T.; M.A.-2	Longview
Stallon, Sammie H.; A.&S.-2	Dallas	(1) Taylor, Odesser Lee;	
*Stanback, Joseph;		A.&S.-1	Hempstead
M.A.-Spec.	Mt. Pleasant	Taylor, Ruth A.; H.E.-3	Little Rock, Ark.
Standifer, Joe E.; A.&S.-2	Itasca	Taylor, Velma M.; H.E.-3	Bay City
*Standifer, Lonnie N.; Ag.-3	Itasca	*Taylor, Verdine A.; Ag.-1	Oakwood
*(2) Stanley, Ocell; A.&S.-1	Ferris	*(2) Teal, Warren G.; A.&S.-1	Dallas
Starr, Helen M.; H.E.-1	Palestine	Teal, Winston W.; A.&S.-4	Nacogdoches
Stein, Lajoice; A.&S.-1	Mt. Enterprise	*Terral, Archie D.; M.A.-1	Fort Worth
Stein, Martha G.; H.E.-1	Mt. Enterprise	Theus, Dessie Mae; H.E.-2	Trinity
*(2) Stephens, Eddie J.; M.A.-1	Cameron	Thomas, Alberta R.;	
*Stephens, John L.; Ag.-3	Cameron	A.&S.-3	Shreveport, La.
*Sterling, Curtis; Ag.-1	Bryan	Thomas, Annie C.; M.A.-3	Longview
*Sternes, Frank; A.&S.-2	Dallas	Thomas, Charlene; A.&S.-2	Fort Worth

Name	City or Town	Name	City or Town
Thomas, Donald Lee; M.A.-1	Fort Worth	Walters, Theresa R.; N.E.-1	San Antonio
Thomas, Doretha E.; H.E.-1	Houston	Walters, Leroy; A.&S.-4	Jefferson
Thomas, Douglas B.; Ag.-1	Bay City	*Walker, Albert; M.A.-2	Chickasha, Okla.
Thomas, Ethel Mae; H.E.-3	Chandler	Walker, Albert Lee; Ag.-4	Crockett
(2) Thomas, Gussie M.; H.E.-4	Willis	Walker, Arleatha M.; H.E.-3	Ennis
*Thomas, Harl H.; M.A.-4	Denison	Walker, Clarice; A.&S.-1	New Boston
Thomas, James; A.&S.-1	Colfax, La.	Walker, Dorsey; M.A.-1	Ennis
Thomas, Jesse I.; A.&S.-4	Mexia	(1) Walker, Helen R.; A.&S.-4	Houston
Thomas, Katie F.; A.&S.-2	Houston	*Walker, Garfield; M.A.-1	Silsbee
Thomas, Marjorie L.; A.&S.-4	San Antonio	Walker, John W.; M.A.-2	San Antonio
Thomas, Rose Marie; A.&S.-1	Fort Worth	Walker, Johnny M.; A.&S.-1	Hempstead
Thomas, Verlie A.; A.&S.-Grad.	Port Arthur	Walker, Lillian J.; A.&S.-3	Hempstead
*Thompson, Buford; A.&S.-1	Mineola	Wallace, Grady T.; A.&S.-3	Texarkana
Thompson, Corenia C.; A.&S.-1	Henderson	*Wallace, James L.; Ag.-4	Texarkana
*Thompson, Douglas; M.A.-1	Mineola	Wallace, Lucille; H.E.-2	Bryan
Thompson, Earnestine M.; H.E.-4	Houston	Wallace, Mildred B.; A.&S.-2	Bryan
*Thompson, Elmer A.; Ag.-3	Bon Wier	*Wallace, Norman R.; M.A.-1	Henderson
Thompson, Eulalia W.; A.&S.-4	Prairie View	Wallace, Ulysses S.; Ag.-2	Bryan
*Thompson, Gilon H.; Ag.-4	Malakoff	Waller, Carrie L.; A.&S.-1	Corsicana
*Thompson, Jimmie P.; A.&S.-1	Mineola	Walton, Curtis E.; A.&S.-1	Carthage
Thompson, Rudolph C.; A.&S.-2	Tyler	Walton, Joseph R.; A.&S.-3	Galveston
*Thompson, Tollie N.; M.A.-1	College Station	Walton, Lois H.; A.&S.-3	Winona
Thompson, Toma Sita; A.&S.-4	Sealy	*Ward, Wildred; M.A.-Spec.	Gilmer
*Thompson, Willie S.; Ag.-3	Hempstead	*Ware, Albert Lee; Ag.-4	Flint
Thorn, Willie Etta; A.&S.-2	Nacogdoches	Ware, William D.; Ag.-3	Winchester
Thornton, Mildred; H.E.-2	Dawson	*Wash, Thomas E.; M.A.-Spec.	Texarkana
Thornton, Willie L.; A.&S.-2	Calvert	Washington, Artye L.; A.&S.-2	Trinity
Tilley, Jerline G.; H.E.-3	Jacksonville	(1) Washington, Blossie T.; A.&S.-1	College Station
Tilley, Ruby Lee; H.E.-3	Jacksonville	Washington, George W.; A.&S.-1	Henderson
(2) Todd, Frederick D.; A.&S.-1	Dallas	Washington, Jordan T.; A.&S.-2	Lufkin
Tolliver, Geraldine J.; H.E.-4	Bryan	*Washington, Leon; M.A.-Spec.	Hempstead
*Tolliver, Melvin L.; A.&S.-2	San Marcos	*Washington, Reuben S.; A.&S.-4	Midway
Tolson, Arthur L.; A.&S.-Grad.	Langston, Okla	Washington, Rosie Lee; A.&S.-4	Willis
(1) Townsend, Ollie B.; M.A.-Spec.	College Station	Washington, Roy L.; Ag.-4	Kerens
(1) Townsend, Ollie Marie; H.E.-3	Wellborn	(2) Washington, Rubye L.; H.E.-4	Houston
Travillian, Alma L.; A.&S.-1	Hillsboro	Waters, Flura Mae; H.E.-4	Houston
Travis, Leroy; A.&S.-3	Galveston	Watkins, Helen L.; A.&S.-3	Houston
Traylor, Earlie M.; H.E.-2	Daingerfield	*Watkins, Marion L.; A.&S.-3	Fort Worth
Trim, Constance J.; A.&S.	Fort Worth	Watson, Alonzo I.; Ag.-1	Prairie View
Trimble, Malora R.; A.&S.-2	Overton	*Watson, James F.; A.&S.-2	Calvert
*Trotty, Archie; Ag.-1	Trinity	Watson, Joe; M.A.-1	Franklin
Tabbs, Jimmy R.; A.&S.-4	Tyler	(1) Watson, La Verne; A.&S.-1	Marietta
Turner, Fannie M.; H.E.-4	Houston	(1) Watson, Rubye I.; A.&S.-2	Jefferson
Turner, Hazel Lee; A.&S.-3	Abilene	*Watson, Streetman; Ag.-1	Marietta
Turner, Johnnie Mae; A.&S.-2	Abilene	Watson, Ouida M.; A.&S.-1	Wortham
*Turner, Luther T.; M.A.-1	Naples	*Watts, Lee C.; M.A.-Spec.	Dallas
Turner, Roland H.; A.&S.-1	New Orleans, La.	(2) Webber, Hiawatha; A.&S.-1	Normangee
Turner, Rufus B.; Ag.-3	Dayton	*Webster, W. B.; Ag.-4	Linden
*Turner, Wilbur; Ag.-1	Naples	Wedgeworth, Mary Ann; A.&S.-1	Mexia
Tutt, Louise I.; A.&S.-4	Dallas	Wells, Cameron S.; A.&S.-1	Prairie View
Twine, Elizabeth; A.&S.-1	Galveston	Wells, Grace Eva; A.&S.-3	Galveston
(2) Tyler, Finus O.; Ag.-1	Nacogdoches	*Wells, James W.; M.A.-Spec.	Liberty
Van Irvin, Maude; A.&S.-2	Prairie View	(1) Wells, Leon; A.&S.-2	Houston
Vaughn, Lenora J.; A.&S.-4	Houston	Wesley, Bennie Jean; A.&S.-Grad.	Prairie View
Vaughn, Savannah M.; A.&S.-3	Courtney	Wesley, Verdell V.; H.E.-2	Navasota
(2) Vaughns, Omazel; A.&S.-1	DeKalb	Westbrook, Madelyn E.; A.&S.-4	Bryan
(2) Venters, Rufus; A.&S.-2	Corsicana	Westbrooks, Johnny Mae; A.&S.-4	Houston
Verette, Mayola; H.E.-2	Raywood	(2) Wheadon, John R.; A.&S.-Grad.	Houston
(1) Verse, Emmitt H.; Ag.-1	Fort Worth	Wheeler, Alma F.; N.E.-4	Tyler
(1) Vick, George L.; A.&S.-Spec.	Portsmouth, Va.	*White, Emmitt; M.A.-1	Fort Worth
Vincent, Clifton F.; A.&S.-4	Houston	Whitaker, Ben; Ag.-1	Nacogdoches
Vonner, Lorine; N.E.-1	Lovelady	(1) Whitaker, Cleotha; M.A.-1	Douglas
*Waddy, Hadley; A.&S.-1	Dickinson	(1) Whitaker, Mansfield; Ag.-1	Nacogdoches
Wade, Curtis L.; A.&S.-3	Douglas	White, Bernice; A.&S.-Grad.	Choice
Wade, Larry E.; A.&S.-2	Nacogdoches	*White, Billie A.; Ag.-2	Athens
Wadley, Thelma; A.&S.-1	Corsicana	(2) White, Bobbie A.; A.&S.-1	Athens
Walters, Darlene E.; H.E.-1	Kenney	*White, Charles H.;	

Name	City or Town		City or Town
M.A.-Spec.	Washington, D. C.	A.&S.-2	San Antonio
White, Elois A.; A.&S.-2	Beaumont	(2) Williams, Pearl E.; A.&S.-3	Oklahoma City, Okla.
White, Huella; H.E.-4	Fort Worth	*Williams, Richard L.; M.A.-4	Bryan
*White, Inman; Ag.-4	Prairie View	Williams, Rosie Lee; H.E.-4	Markham
(2) White, Lucy; A.&S.-2	Athens	(2) Williams, Serlina; A.&S.-1	Tyler
White, Ola Mae; H.E.-2	Jasper	Name	City or Town
White, Oveta L.; H.E.-2	Marshall	Williams, Thelma L.; A.&S.-2	Ennis
White, Pearl D.; H.E.-3	Brenham	Williams, Truey; H.E.-3	Wortham
White, Sarah; H.E.-2	Navasota	Williams, Winston A.; Ag.-1	Longview
Whiteing, Bobbie L.; N.E.-1	Addicks	Wills, John H.; Ag.-1	Longview
*Whiteside, Albert G.; A.&S.-4	Cameron	Willis, Mary N.; H.E.-2	Jacksonville
Whitfield, Mildred; H.E.-4	Houston	Wills, Alice L.; H.E.-1	Lockhart
Whitman, Lena E.; H.E.-4	Longview	*Wilson, Faris A.; Ag.-1	Seguin
Whitson, Frank; M.A.-Spec.	Franklin	(2) Wilson, Helen G.; A.&S.-4	Prairie View
(1) Whittaker, Carl R.; M.A.-Spec.	Calvert	Wilson, Joyce M.; A.&S.-4	Somerville
Wiggins, Bertha; N.E.-3	Bryan	(1) Wilson, Ouida D.; A.&S.-1	Nacogdoches
(1) Wilborn, Dorise; A.&S.-3	Prairie View	Wilson, Rosalind J.; A.&S.-4	Prairie View
*Wilborn, Thomas E.; Ag.-4	Lincoln	Wilson, Ruth L.; H.E.-3	Fort Worth
Wilburn, Lois T.; A.&S.-3	Chapel Hill	Wilson, Sherman S.; A.&S.-3	Corsicana
Wilburn, Robert Lee; A.&S.-1	Fort Worth	Windom, Frances L.; A.&S.-Grad.	Prairie View
*Wiley, Silas; M.A.-1	Fort Worth	*Winfield, Bennie; A.&S.-4	Galveston
Wilkerson, Claudia M.; H.E.-2	Cameron	Winn, Martha J.; A.&S.	Dallas
Wilkins, Juanita; A.&S.-4	Dallas	*Winn, Robert; M.A.-4	Galveston
Williams, Alma J.; A.&S.-2	Lubbock	Winston, Bessie Mae; H.E.-1	Brenham
Williams, Alma L.; H.E.-2	Gladewater	Wiseman, Billy D.; M.A.-1	Waco
Williams, Alonzo B.; A.&S.-3	Hempstead	Wong, Essie Mae; N.E.-1	Houston
Williams, Arster N.; A.&S.-2	Kilgore	*Woodard, Robert C.; Ag.-4	Cedar Lake
*Williams, Arthur; M.A.-2	Huntsville	Woods, Dolores M.; A.&S.-2	San Antonio
(1) Williams, Arthur Marie; A.&S.-1	Dallas	Woods, Eva Baby; A.&S.-2	Newton
Williams, Cecil; Ag.-1	Huntsville	Woods, Jodie; M.A.-1	Calvert
*Williams, Chester F.; Ag.-3	San Antonio	*Woods, Leon A.; A.&S.-4	San Antonio
Williams, Clarence; A.&S.-4	Kenedy	Woods, Leverine J.; H.E.-3	Winona
*Williams, Cleveland; Ag.-2	Point	(2) Woods, Lionell W.; Ag.-1	Winona
Williams, Clotis M.; H.E.-4	Jefferson	(2) Woods, Theola; A.&S.-Spec.	Prairie View
Williams, Curtis A.; A.&S.-3	Calvert	(1) Woolridge, Ree Vee; H.E.-1	Chriesman Lovelady
Williams, Decie Marie; H.E.-4	Palestine	(2) Wormley, Etta M.; A.&S.-1	Giddings
Williams, Doretha B.; A.&S.	Houston	*Wright, Clarence L.; M.A.-2	Texarkana
Williams, Doris J.; A.&S.-4	Oklahoma City, Okla.	Wright, Clinton; Ag.-1	Kirbyville
*Williams, Elijah; Ag.-3	Cameron	Wright, Connie Mae; A.&S.-4	Gilmer
Williams, Elois L.; H.E.-4	Bryan	Wright, Ethel L.; H.E.-1	Liberty
Williams, Estella E.; A.&S.-1	Calvert	(2) Wright, Jessie M.; A.&S.-1	El Reno, Okla.
(2) Williams, Francis L.; M.A.-1	Port Lavaca	Wright, Mae Della; H.E.-3	Lufkin
(1) Williams, George W.; A.&S.-2	San Antonio	*Wright, Samuel E.; M.A.-2	Texarkana
Williams, Herbert E.; M.A.-1	Giddings	Wright, Thurman R.; A.&S.-1	Houston
(2) Williams, Ida M.; H.E.-4	Bellville	*Wrighter, Hugh; A.&S.-1	Chilton
Williams, Irene D.; A.&S.-2	Pilot Point	Wyche, Mary E.; A.&S.-1	Houston
Williams, Izana M.; H.E.	Dallas	(1) Wynne, Sylvia Lee; A.&U.S.-1	Huntsville
Williams, James; Ag.-1	Longview	Wynne, Wilma J.; A.&S.-4	Huntsville
Williams, Jesse W.; A.&S.-1	Waco	*Yates, Roy Lee; M.A.-4	Shepherd
Williams, Joel; A.&S.-1	Bay City	Yepp, Lois R.; A.&S.-2	Calvert
(2) Williams, LaVerne; H.E.-2	Tyler	(1) Young, Arthur; A.&S.	Dallas
Williams, Laura L.; A.&S.-1	Wichita Falls	*Young, Ben A.; A.&S.-4	San Angelo
Williams, Lottie E.; H.E.-3	Seguin	Young, Clarice J.; A.&S.-4	Paris
(2) Williams, Mae Ruth; H.E.-3	Tyler	(1) Young, Dorothy R.; A.&S.-1	Caldwell
Williams, Marion M.; A.&S.-3	Tyler	*Young, Frank L.; Ag.-1	Chicago, Ill.
*Williams, Marvin; Ag.-3	Oakwood	*Young, Haywood L.; M.A.-4	Chicago, Ill.
Williams, Ollie E.; Ag.-3	Hempstead	(1) Young, Loris; A.&S.-1	Naples
(1) Williams, Ora Mae; A.&S.-1	San Antonio	Young, Phillip L.; A.&S.-2	Nacogdoches
(1) Williams, Johnetta F.; A.&S.-3	Houston	*Zachary, H. L.; Ag.-2	La Grange
(1) Williams, Joseph; A.&S.-3	Beaumont	Zephyr, Charlee L.; A.&S.-3	Fort Worth
(1) Williams, Katherine M.; A.&S.-1	La Grange	Zephyr, Elizabeth; A.&S.-3	Washington
(1) Williams, Margaret L.;			

## PRAIRIE VIEW TRAINING SCHOOL

## PRE-PRIMER

Dooley, Lois Marie; 5, F	Prairie View	Johnson, Booker T.; 5, M	Prairie View
Henderson, Lee Ellis; 5, M	Prairie View	Kinchelov, Tanya; 5, F	Prairie View

Poindexter, Alfred III; 5, M Prairie View  
 Stevens, Jimmie; 5, M Prairie View  
 Wesley, Franklin; 5, M Prairie View  
 Williams, John Calvin; 5, M Prairie View  
 Woods, Curtis; 5, M Prairie View

## FIRST GRADE

Anderson, James; 6, M Hempstead  
 Bean, Dale; 8, M Hempstead  
 Broughton, Margie; 7, F Hempstead  
 Clark, Henry Don; 6, M Prairie View  
 Henderson, Duria, Jr.; 6, M Prairie View  
 Hilliard, Hattie Pearl; 5, F Prairie View  
 Kilpatrick, Hortense; 6, F Prairie View  
 Knotts, Lawrence; 7, M Waller  
 Santee, James; 7, M Prairie View  
 Scott, Elmer Lee; 6, F Waller  
 Scott, Lloyd, Jr.; 6, M Prairie View  
 Stickney, Janice; 6, F Prairie View  
 Taylor, Louise; 6, F Prairie View  
 Tompkins, Evelyn; 6, F Hempstead  
 Turner, Alice Mary; 8, F Hempstead  
 Walker, Charles; 6, M Waller  
 Williams, Angelle; 6, M Waller  
 Williams, Bobbie; 7, M Waller  
 Woods, Sanderson; 6, M Prairie View

## SECOND GRADE

Bennett, Iris Jean; 8, F Hempstead  
 Fry, Francis; 7, F Prairie View  
 Fuller, Edwilyn; 6, F Prairie View  
 Muse, Erma Jean; 8, F Waller  
 Scott, Milton L.; 9, M Waller  
 Tompkins, Martha Ann; 7, F Hempstead  
 Turner, Will Ella; 9, F Hempstead

## THIRD GRADE

Anderson, Ezekiel; 9, M Hempstead  
 Anderson, Melvin Lewis;  
 8, M Prairie View  
 Basie, Essie Lee; 11, F Waller  
 Broughton, Ogie; 9, M Hempstead  
 Muse, Delores; 8, F Prairie View  
 Santee, Clarence; 10, M Hempstead  
 Tompkins, Irene; 8, F Hempstead  
 Turner, Levi; 11, M Hempstead  
 Walker, Richard; 12, M Waller  
 Walker, Arthur D.; 10, M Waller  
 Williams, Fletcher; 13, M Waller  
 Williams, Elijah; 11, M Waller

## FOURTH GRADE

Anderson, Curtis, Jr.; 10, M Hempstead  
 Bean, Amy V.; 10, F Hempstead  
 Brown, Marshall V., Jr.;  
 10, M Prairie View  
 Clark, Pansy Marie; 10, F Prairie View  
 Hilliard, Roby W., Jr.; 8, M Prairie View  
 Muse, Benjamin; 10, M Waller  
 Williams, Bessie V.; 10, F Waller  
 Windom, Jackson; 8, M Prairie View

## FIFTH GRADE

Bean, Albert; 11, M Hempstead  
 Bennett, Alfred; 12, M Hempstead  
 Bennett, Glodene; 11, F Hempstead  
 Bennett, Isaac; 15, M Hempstead  
 Cook, Alonzo; 9, M Prairie View  
 Davis, Annie Lee; 14, F Waller  
 Felder, Lebraska; 12, M Waller  
 Hayes, Louis M.; 8, M Waller  
 Jackson, Leroy; 13, M Waller  
 Kidd, Rosalee; 12, F Hempstead  
 Muse, Gloria Joyce; 11, F Prairie View  
 Phillip, Cecelia; 10, F Prairie View  
 Price, Julius; 9, M Prairie View  
 Reed, Carrie; 10, F Waller  
 Reed, Ollie; 13, M Waller  
 Reed, Vell; 12, M Waller  
 Turner, Walter; 14, M Hempstead

White, Waymon; 11, M Hempstead  
 Wilson, Jesse; 10, M Prairie View  
 Williams, Roosevelt; 14, M Waller  
 Woodward, Autrey Mae; 12, F Waller

## SIXTH GRADE

Alexander, Romeo; 14, M Waller  
 Anderson, Dorothy; 12, F Hempstead  
 Anderson, Willie Lee; 13, M Waller  
 Broughton, Darlene; 12, F Hempstead  
 Brown, Ida; 12, F Prairie View  
 Clark, Osborne; 13, M Prairie View  
 Muse, Lillian E.; 12, F Prairie View  
 Muse, Hilliard; 15, M Prairie View  
 Reed, Irvin; 15, M Waller  
 Reynolds, Willie R.; 13, F Hempstead  
 Richards, Bryant; 13, M Hempstead  
 Richardson, Jimmie Lee; 14, M Waller  
 Scott, Dazerine; 12, F Waller  
 Scott, Ivory Dell; 12, F Waller  
 Scott, Temple Lee; 14, F Waller

## SEVENTH GRADE

Brown, Joel; 10, M Prairie View  
 Hayes, Richard; 11, M Waller  
 Hayes, Lovie J.; 12, F Prairie View  
 Jackson, Herman; 15, M Waller  
 Johnson, Bernard; 13, M Prairie View  
 Muse, Maudette; 14, F Prairie View  
 Nicks, Fredric; 13, M Prairie View  
 Reed, Catherine; 16, F Waller  
 Richardson, Robert L.; 14, M Waller  
 Rucker, Robert C.; 14, M Waller  
 Scott, Hattie B.; 16, F Waller  
 Scott, Hiawatha; 15, M Waller  
 Scott, Jessie Mae; 14, F Prairie View  
 Tisdell, James R.; 15, M Waller  
 Williams, Helen M.; 14, F Waller  
 Windom, Alice; 11, F Prairie View

## EIGHTH GRADE

Dailey, James; 13, M Prairie View  
 Haynes, Bernice; 15, F Prairie View  
 Hughes, Ellen; 14, F Waller  
 Jackson, Evelyn; 12, F Waller  
 Jingles, Lawrence; 15, M Waller  
 Johnson, Barbara; 13, F Prairie View  
 Mosley, La Vaughn; 12, M Prairie View  
 Reed, Mattie M.; 14, F Waller  
 Robinson, Luella; 15, F Waller  
 Williams, Madeline; 16, F Waller

## NINTH GRADE

Coruthers, Jane; 12, F Prairie View  
 Elliott, Theodore; 16, M Prairie View  
 Fry, Irene; 12, F Prairie View  
 Hardaway, Glenn; 14, M Prairie View  
 Norris, Ernest M.; 14, M Prairie View  
 Phillip, Jimmie Lee; 13, F Prairie View  
 Reed, Jonathan; 18, M Waller  
 Wilson, Mae Helen; 14, F Prairie View

## TENTH GRADE

Alexander, Ernest R.; 16, M Waller  
 Caine, Johnnie B.; 16, M Waller  
 McLemore, Julius; 14, M Waller  
 McLemore, Lawrence; 15, M Waller  
 Muse, Arle Ruth; 14, F Waller  
 Richards, Lucille; 16, F Hempstead  
 Scott, Ira Belle; 15, F Waller  
 Nicks, William; 15, M Prairie View  
 Tisdell, Hazel; 17, F Waller

## ELEVENTH GRADE

Anderson, Annie Lee; 14, F Prairie View  
 Coruthers, John M.; 15, M Prairie View  
 Ford, Ruby; 17, F Waller  
 Fry, Jean; 15, F Prairie View  
 Smith, George; 15, M Prairie View  
 Toler, Gladys; 19, F Waller  
 Wells, Gwendolyn; 15, F Prairie View

Williams, Marjorie; 19, F.....	Waller	Muse, Georgia Mae; 17, F.....	Prairie View
Alexander, Rudolph; 17, M.....	Waller	Richards, Ruthie Mae; 17, F....	Hempstead
Brown, Minnie Mae; 17, F.....	Prairie View	Scott, Eddie; 17, M.....	Waller
Clark, Nina; 17, F.....	Prairie View	Tolbert, Annie W.; 19, F.....	Waller
Lewis, Ida Mae; 16, F.....	Prairie View		

## NURSERY SCHOOL

Name	Age	Sex			
Brown, Ashland O'Neal	3	M	McCollu, Arthur R.	3	M
Bullock, Merle Louise	2	F	McCollum, Kathleen Ruth	3	F
Craven, James	2	M	McMillan, Lemmon C.	3	M
Crawford, Ardelia	2	F	McMillan, Bobby	2	M
Crawford, M. E.	5	M	Mickens, Jo Elaine	3	F
Dixon, Patty	2	F	Mosley, Harvey Riles	3	M
Dooley, Thomas Price	3	M	Muldrow, Christopher	2	M
Henderson, Lee Ellis	3	M	O'Banion, Charles	2	M
Herndon, Kathryn Ann	2	F	Owens, Caroline	4	F
Hilliard, David Whiting	4	M	Poindexter, Bettie R.	3	F
Houston, Haskelene L.	3	F	Smith, Wendell	3	M
Kilpatrick, Madison L.	3	M	Stickney, William, Jr.	2	M
Kinchelow, T. Beverly	4	F	Wesley, Franklyn	5	M
Kinchelow, Juanita Marina	3	F	Williams, Alva J.	3	F
Lawson, Theodora	3	F	Windom, John H.	4	M
Love, Carolyn Joyce	1	F	Woods, Henriene	3	F

## EXTENSION SCHOOL

## SAN ANTONIO EXTENSION SCHOOL

Henry, Mattie Lee	Miller, Beatrice	Obcy, James
Hoyles, Julius C.	Murphy, Marjorie	Sayles, Omazell J.
Johnson, Ottense	Murray, Gertrude L.	Bibbs Warner, Vernice Taylor

## GONZALES EXTENSION SCHOOL

Adams, Gertrude D.	Font, Mildred Baily	Mitchell, Eloise
Adams, Eva M.	Gelmer, Iris	Phelps, Flossie
Bolton, Eva L.	Haywood, Corene	Rced, Lena Thomas
Cooper, Chleo	Houston, Zula L.	Sanders, Birdie
Cogdell, Elizabeth A.	Hardaway, Lena	Sanders, Ruth
Conway, Cherry	James, Annie Laura	Steen, Dorothy
Eaton, Elmira	Jones, Mable C.	Steward, Mildred
Elias, Minnie	Johns, Jessie	Weathers, Ethel M.
Fedrick, L. W.	Johnson, Hazel	White, Leola
Floyd, Mary J.	Kuykendall, Ammie	

## COLUMBUS EXTENSION SCHOOL

Axel, Irene	Dean, Porter Lee	Oettus, Willis Hall
Bacon, Rose	Guyton, Mary Alice	Robinson, Leola S.
Battles, Barney L.	Harold, Chauncy G.	Speaks, E. A.
Booker, Ida	Johnson, Myrtle	Waed, Ethel
Callis, David V.	Kelly, Nellie B.	Washington, Estella H.
Callie, Edwyna H.	Lowe, Gloria L.	Williams, Katherine
Carrall, Irene S.	Pettus, Willie H.	Winn, Vermalla
Curtis, Mary	Mayo, Annie H.	

## CORPUS CHRISTI EXTENSION SCHOOL

Byrd, Eoxie Doris Wells	Sweatt, Fola Ann	Thomas, Annie Beaver
Pitts, Alice Faye		

## GALVESTON EXTENSION SCHOOL

Brown, Eva Richie S.	Hawkins, Libbie C.	Reason, George M. R.
Clough, Ema Nelson	Jackson, Willis	Robinson, Hattie Clark
Davis, Beulah M.	Jones, Thelma Longhorne	Shankin, A. E. Mrs.
DeValle, Carey Jenkins	Jones, Deola Mae	Spencer, Erma J.
Ellis, Geneviere	Lilly, Amos	Scott, Gabriel Lena
Etter, Helen V.	Mock, Rebecca Williams	Tippins, Dorothy James
Fonteno, Mary	Morgan, Catherine D.	Watson, Joshus
Gatson, Joshus	McDuffie, Matilda	Williams, Henry C.
Green, Florida Mitchell	Mitchell, Lucille	Womack, Doris
Hightower, Gertrude C.	Mitchell, E. L.	Womack, Dorothy
Howard, Alene	Porter, Ruth M.	

## La GRANGE EXTENSION SCHOOL

Branford, Tommie	Donson, Eliza J.	Moore, Myrtle L.
Byars, Lula V.	Filmore, Leana	Plamer, Leona
Clayborne, O. B.	Gayten, Mary Alice	Pcason, Jamie
Cook, Addie White	Herna, Lucille Oaker	Pettit, Myrtils K.
Davis, Sarah Willie	Hubbard, Gloria	Pinchback, Elizabeth
Dockery, Lwola S.	Lafond, Delie	Price, Mamie H.
Donovan, Marie L.	Lockin, Trudie	Stykes, Leno O.

## TEXAS COLLEGE EXTENSION SCHOOL

Allen, Clemetine Becton	Green, Edward Franklin	Pugh, Golda Gaston
Allen, Donald Webster	Hays, Gladys Price	Ragsdale, Opal Martha
Allen, Lola James	Holt, Nancy Edna	Rcece, Arnella I.
Barnes, Teresa M.	Houston, Susie Anabelle	Rosebrough, Corine Inogene
Boyd, Gladys Irene	Hunter, O. C.	Sampson, Allie Mae
Boswell, Erma	Jessie, A. J.	Scott, Otto
Bradley, Maxine Christy	Johnson, Gerldine V.	Stanford, Pallas Loraine
Butts, Doris Watson	Glover	Shavers, Ora Starr
Cato, Clemon	Johnson, Loy Arnold	Steward, Gladys Arline
Christopher, Earline B.	Kennedy, Ruth Annie	Singleton, John R.
Choyce, Martholean	Mosley	Strickland, Luther Hermit
Cleaver, Emuel Eugene	Leftwich, Noble	Smith, Alexander
Cooksey, Curtis Calvin	Lewis, Ester Ruth	Stubberfield, Ryby S.
Crough, Ivory DeLois	Lewis, Odis F.	Smith, Hattie Johnson
Crump, Annie Laurie	Lewis, Inez Janet	Tilley, Ernest
Dansby, Annys B.	McAllister, Ernest Lanier	Tennison, Martis P.
Dixon, Ruth T. C.	McClure, Foster Donald	Tolbert, Langston P.
Fields, Opal	McCure, Atheline	Traylor, Sylvester G.
Fields, Harold D.	Mark, Bernice	Turner, Dorothy Mae
Ford, Barma D.	Mark, Jim B.	Turner, Frances Ann
Franklin, Cecil Bassania	Mosley, Cottrell M.	Warren, Willa Mae
Franklin, Evelyn Brown	Oliver, Mary Ethel	Wilburn, Addie Mae
Gaines, Hobart Leroy	Phillips, Jessie L.	Willis, Mercedes Ragsdale
Gaines, Venolia	Powdrill, Della M.	
Goodcare, Christine Warren	Pruor, Ida L.	

## BEAUMONT WORKSHOP

Adams, Thelbyrde	Hendricks, Amanda	Pernetter, Eulalia A.
Arline, Ollie	Hendricks, H. G.	Pierson, Frank R.
Bangneris, Samatha	Hunt, Ethel	Redberry, Hosca
Barnes, Viola	Irvine, Callie M.	Redd, Corinne
Benson, Lula J.	Jackson, Lela E.	Robinson, Marthell
Bias, Ada	Johnson, H. C.	Rogers, Lena
Bunckley, Cora Lee	Johnson, Birdie Jones	Rogers, Maude Cooper
Carter, Mabel M.	Jones, Esther	Ross, Shelly
Clark, Carrie L.	Kerrey, Sadie I.	Sanders, Ruberta
Cleveland, Eola	Kilcrease, Elizabeth R.	Seymour, Jean
Como, Carfield	Lett, James H.	Seymour, Mammie
Compton, Willia Hartly	Lett, Roberta Mitchell	Simpson, Cleo D.
Davenport, Delores Cooper	Lewis, Bertha Webb	Smith, Elmira A.
Edwards, Constance Davis	Lewis, Rosie Elizabeth	Tatum, Nellie
Ellis, Florence D. Moore	Loeb, Carrie Mae	Taylor, Cassie
English, Mary Agnes	Loeb, Everett N.	Thomas, Allie Mae
Eugene, Admonia M.	Marion, Cora Lee	Thomas, Ruby
Fisher, Juaneta R.	Mathews, Juanita	Thomas, Vallie
Fleming, Maudie Charles	McCarter, Mabel W.	Wade, Helen S.
Gilder, Hazel L.	Miller, Thelma	Wallace, Maude
Gill, Nettie	Molett, Diverna	Walters, Ruth
Gill, Mathew	Monroe, Margerine	Whitehouse, Florence
Gill, Thelma Simpson	Moore, Robbie D.	Whittington, Olevia
Gordon, Mildred Portis	McGowen, Mable	Willard, Faye
Hadnot, Lottie S.	Naves, Bessie F.	Willard, Marguerite
Hamilton, Robbie	Nesbit, Velma L.	Wilson, Katie
Hebert, Idaho	Owens, Willie Mae	Wright, Fred
Henderson, Irene	Page, Florence D.	

## HUNTSVILLE EXTENSION

Allen, Carnie E.	McGowan, Sylvia	Smith, Mantle Lee
Allen, Phyllis H.	Mickle, Libbie B.	Thomas, Daniel Webster
Baker, Ninnie B.	Pace, Wilma O.	Thomas, Omelis Pounds
Bridges, Ester H.	Powell, Ellen G.	Watkins, Lovie M.
Howard, Percy	Powell, John R.	Wells, Bessie B.
Johnson, Ethel Mae Downs	Robinson, Australia	Williams, Martha E.
Johnson	Ross, Della P.	Wilson, Mary Helen

## MADISONVILLE EXTENSION

Byard, James S.  
Byrd, Lenora Mae  
Byrd, Priscilla Winn  
Clay, Ida

Gilbert, Zuda Mae  
Gooden, Alice Lee  
Gooden, Burnice  
Gooden, Dora Elizabeth

Guess, Oma Lee Mott  
Moore, Alberta Jannie  
Sanders, Marjorie Green  
Webber, Roscoe C.

## JEFFERSON EXTENSION

Adams, Blanche  
Alexander, Minnie  
Anderson, Willia G.  
Atkins, Florine  
Baxter, Bessie Lee  
Benton, Virgie R.  
Brooks, Ova Lewis  
Brown, Trudie Delphine  
Campbell, Arquilla  
Carlisle, Ida Rand  
Coleman, Eddie  
Crowe, Rosia A.  
Dickey, Helen Collins  
Dean, Mary Easter  
Douglas, Willie Mae  
Gipson, Johnnie C.  
Harper, Eldora Delores  
Johnson, Deborah  
Johnson, Carrie

Johnson, Ida Green  
Johnson, Leonetta M.  
Johnson, Napoleon  
Joden, Dorothy Mae  
Kelly, Minnie B.  
Mason, Mildred Lewis  
Matthis, Levi A.  
Matthis, Clara B.  
Montgomery, John Henry  
Montgomery, Virginia  
Johnson  
Morris, Willie Ruth  
McCaIn, Virginia Wilkinson  
McDonald, Precious J.  
McIntosh, Emma B.  
McCoy, Anderlean  
Pitts, J. C.  
Ray, Louise M.  
Randolph, Rosetta

Rollans, Addison  
Rolland, Elizabeth C.  
Ruthford, Alice Marie  
Ruthford, Thomas Charles  
Steward, Lillie V.  
Smith, Daisy C.  
Turner, Angelyn Growe  
Turner, Arthur Walls  
Turner, McAlister Jessie  
Turner, Odis H.  
Westbrook, Marien E.  
White, Velma Lois  
Whitehead, Lucile D.  
Williams, Irene L.  
Williams, S. L.  
Willis, Myrtle C.  
Young, Louise

## NAMES OF GRADUATES

May 1947

Names	Degree	Major
Adams, Fred E.	B.A.	Soc.
Allen, David Leon	B.S.	Agric.
Armstrong, William L.	M.S.	Educ.
Baker, Doris Elmira	B.A.	Soc.
Balfour, Hattie L.	B.S.	H.E.
Bearden, Bertha Beatrice	B.A.	Econ.
Bell, John Allen	B.S.	Agric.
Berry, Perry Lee	B.S.	Agric.
Beverly, Marie Yvonne	B.S.	Chem.
Blanchette, Jacob S.	M.S.	Adm. and Sup.
Blount, Rosa Ella	B.S.	H.E.
Bolden, Will Robert	B.S.	Bio.
Boson, Edna Earl	B.S.	H.E.
Boyer, Jacob Leroy	M.S.	Agric.
Brackens, Brown Lee, Jr.	B.S.	Agric.
Brigham, Rubye Dell	B.S.	H.E.
Bralisford, Dorothy Dix	B.S.	H.E.
Breeding, Fidelus Dell	M.S.	Educ.
Brooks, Joannie L.	B.A.	Eng.
Brown, Juanita	B.S.	Educ.
Brown, Lillian Marie	B.A.	Bus. Admin.
Bryant, Dorothy Mae	B.S.	H.E.
Caldwell, Booker T.	B.S.	Agric.
Caldwell, Janet Monte	B.A.	Music
Caldwell, Vander Lee	B.S.	H.E.
Carr, Wilburn Cullen	B.S.	Educ.
Carrington, Dorothy L.	B.S.	P.E.
Carroll, Christella	B.A.	Hist.
Cavil, Jafus Pitt	B.S.	Bio.
Charlton, Viola Green	B.S.	H.E.
Clark, Elouise Jacquelyn	B.S.	Tailoring
Coleman, Leola Mildred	B.S.	H.E.
Coleman, Mary Frances	B.S.	H.E.
Collins, Limone C.	B.A.	Music
Collins, Nolvia Jewel	B.S.	Bio.
Countee, Doris R.	B.A.	Bus. Adm.
Crear, John Richard, Jr.	B.S.	Bio.
Curl, Kenneth H.	B.S.	Bio.
Davis, Rose Marie	B.S.	Bio.
Derry, Dolphus James	B.A.	Music
Dickerson, Harvey G., Jr.	B.S.	Agric.
	B.S.	Bio.

Dickson, Mathes D.	B.S.	I.E.
Dorsey, Ora Virginia	B.S.	H.E.
Dow, Gladys Addine	B.A.	Bus. Adm.
Duncan, Alvera Ernestine	B.A.	Bus. Adm.
Eaton, Ethel Mae	B.S.	H.E.
Emery, George Ellis	B.S.	I.E.
Ewell, Yvonne A.	B.A.	Music
Fitzgerald, Willie Lee	B.S.	Agric.
Flewellen, Jesse James	B.S.	Agric.
Fortune, Johnnie V. Dawson	B.A.	Bus. Adm.
Freeman, Gloria L.	B.S.	H.E.
Gearin, Eddy L. Mitchell	B.A.	Soc.
Gerald, Doloris Fay	B.S.	H.E.
Govan, Shannon R.	B.S.	Agric.
Green, Gladys Beatrice	B.S.	H.E.
Hall, Harold Eugene	B.S.	Chem.
Harrington, Juanita Sylvia	M.S.	Pol. Sci.
Harris, Margwyn Samuel	B.S.	Bio.
Harrison, Richardson Wagner	B.A.	Piano
Hill, Alfred	B.S.	Agric.
Hill, Booker T.	B.S.	Agric.
Hill, Joe Clinton	B.S.	Agric.
Hill, Marie Imogene	B.A.	Music
Hollman, Clarence	B.S.	Bio.
Hopkins, Andrew Johnson	B.S.	Agric.
Howard, Joyce Lee	B.A.	Music
Jackson, Mattie Wilman	B.A.	Bus. Adm.
James, Eddie	B.S.	Agric.
James, George Tommy	B.S.	Agric.
Johnson, Theodore	B.A.	Soc.
Johnson, Eric J.	B.S.	Agric.
Jones, Marie Etta	B.S.	H.E.
Kaufman, Ida Louise	B.A.	Bus. Adm.
Kilpatrick, Alice	B.S.	H.E.
Kinchen, Jeffrey Mae Hall	B.A.	Bus. Adm.
King, Arizona Arnold	B.S.	H.E.
King, Clarence	B.S.	Agric.
Law, Mary Earle	B.A.	Soc.
Lee, Walter Arthur	B.S.	Agric.
Lester, George	B.S.	Agric.
Loeb, Carrie Mae	B.A.	Music
Lynn, Lillian Beatrice	B.S.	H.E.
McNeil, Hortense	B.S.	H.E.
McNeil, James	B.S.	Agric.
McPhaul, Willis C.	B.S.	Agric.
Marion, Leroy	B.S.	Agric.
Mathis, Edell	B.S.	Agric.
Merrell, Queen Ethel	B.A.	Soc.
Miles, John Henry	B.S.	Agric.
Mitchell, Eleanor Ruth	B.A.	Bus. Adm.
Montgomery, Inez	B.A.	Soc.
Montgomery, Mildred	B.A.	Bus. Adm.
Moore, Madelyn Avonne	B.A.	Bus. Adm.
Moseley, Frederick	B.S.	Agric.
Murphy, Alexander	B.S.	Agric.
Myers, Mattyebelle	B.A.	Music
Nicholas, Mae Lewis	B.A.	Bus. Adm.
Owens, Emiel Wade	B.S.	Agric.
Patrick, William	B.S.	Agric.
Phillips, Lucille Helen	B.S.	H.E.
Pittman, Paul M.	B.S.	Agric.
Price, Willie Mae	B.S.	P.E.
Randle, Lola Erma	B.S.	H.E.
Reed, Mae Jewel	B.S.	H.E.
Rhambo, Olivia V.	B.A.	Educ.
Rivers, Lena Mae	B.S.	H.E.
Simmons, Alleyne A.	B.S.	H.E.
Singletary, Robert	B.A.	Music
Smith, Jimmie	B.A.	Music
Smith, Oliver Emmitt	B.S.	Agric.
Steward, Audrey	B.A.	Bus. Adm.
Taylor, Edwin P.	B.S.	I.E.
Thomas, Annie L. C.	B.S.	H.E.
Thomas, Constance	B.A.	Soc.
Thomas, Verlie Augusta	B.A.	Piano



Thornton, Vivian Loraine	B.A.	Bus. Adm.
Vaughn, Ramona Elaine	B.A.	Bus. Adm.
Vaughn, Ruth Ercell	B.S.	Bio.
Vaughns, Laura Laverne	B.A.	Soc.
Vaughns, Opal Delores	B.S.	H.E.
Washington, Samuel Nelson	B.A.	Hist.
Waddleton, Valentine	B.S.	Agric.
Wade, Frank Jerry	B.S.	Agric.
Warner, Dillard	M.S.	Music
Watkins, Murhl Onita	B.A.	Soc.
Westbrook, Harvey	B.S.	Agric.
White, Charles	B.S.	Agric.
White, Wilma G. Bratcher	B.S.	H.E.
Wickliff, Mary Louise	B.A.	Soc.
Williams, Marion Clair	B.A.	Music
Willis, Willie T.	B.S.	Agric.
Woodson, Mary Louise	B.S.	H.E.
Woody, Ellen Victoria	B.A.	Music
Wrenn, Melvia Mae	B.A.	Music
Wright, Valrie Johnetta	B.A.	Eng.

## August 1947

Abernathy, Ruby Ola	M.S.	H.E. Educ.
Ackerman, Bennie Green	M.S.	P.E.
Alexander, Aaron	B.A.	Soc.
Alexander, Venola	B.S.	H.E.
Allen, Rosie Lee	B.S.	H.E.
Anderson, Moselle	M.S.	Elm't. Educ.
Anderson, James Willie	B.S.	Agric.
Anderson, Lillian	B.A.	Eng.
Armstrong, Eva	B.A.	Eng.
Austin, Effie Bowles	M.S.	Elm't. Educ
Barrow, Lottie Fay	B.S.	H.E.
Batts, Mattie Lee Jones	B.S.	Educ.
Bell, Louvenia	B.S.	H.E.
Black, Zenobia	B.S.	H.E.
Bonner, Marshall	B.A.	Hist.
Brown, Herman Lee	B.S.	Agric.
Brown, Iola Lois	B.S.	H.E.
Brown, Urissa Rhone	B.A.	Eng.
Burks, Hazel H.	B.S.	H.E.
Burns, Andrew Jackson	M.S.	Agric. Educ.
Burnim, Arzo	B.S.	Agric.
Burrell, Lula Mae Flanagan	B.S.	H.E.
Busby, Jerome	M.S.	Adm. & Sup.
Butler, Elinor Bell	B.S.	Educ.
Canty, Idell V.	B.S.	Educ.
Carreathers, Juanita Craig	B.S.	H.E.
Carroll, Willie Helen	M.S.	Eng.
Chase, Bessie Mae	B.S.	Educ.
Collins, Horace Harold	B.S.	Agric.
Connor, Walter M.	B.S.	Bio.
Coss, Robert	M.S.	Agric. Ec.
Craft, Reba	B.S.	H.E.
Crawford, Florine Easley	B.S.	H.E.
Davis, Johnnie Jewell	B.S.	H.E.
Dawson, Ruth Jeanette	B.S.	H.E.
Edwards, Maudell	B.S.	H.E.
Elmore, Bernice I.	B.S.	H.E.
Elliott, Mary Adele	B.S.	H.E.
Enge, Dimple M.	B.S.	H.E.
Evans, Edward B., Jr.	M.S.	Phys.
Frazier, Dora Mae	B.S.	Educ.
Gatlin, Sarah L.	B.S.	H.E.
Goffney, Charlie Mae Ellis	B.A.	Eng.
Goodne, Lillian Sutton	B.A.	Eng.
Greene, Lige De	B.S.	Mech. Arts
Grigsby, Lurlene Bryant	B.A.	Eng.
Grant, Harvel L. C.	B.S.	Agric.
Harrington, Richard	B.S.	Apric.
Harris, Emma Lee	B.S.	H.E.
Hamilton, General Edward	M.S.	Bio.
Henry, Ira Corine	M.S.	Elm't. Educ.

Hightower, Rosalie	B.A.	Soc.
Hicks, Lois Elvera	B.S.	H.E.
Hilliard, Seretha Butler	B.A.	Pub. Sch. Music
Houston, Del Verna E.	B.A.	Eng.
Hubert, Johnnie B.	B.S.	P.E.
Humphrey, Charlotte	B.A.	Hist.
Jackson, Mary Chambers	M.S.	Elm't. Educ.
Jefferson, Calvin	B.S.	Agric.
Jones, Charles	B.S.	Agric.
Johnson, Euradell	B.S.	H.E.
Jones, Mary F. R.	B.S.	Educ.
Jones, Richard Denis	B.S.	P.E.
Jones, Walter LaRue	B.S.	Agric.
Jordan, Willia Mae	B.A.	Bus. Adm.
Keaton, Leola Marie	B.S.	Educ.
Kennard, Mittie Grace	M.S.	Music Educ.
Kennison, Harrison Reginald	B.S.	Agric.
King, Barbara Elzora	B.S.	H.E.
Lewis, Maggie N.	B.S.	Educ.
Lindsey, Melissa	B.S.	H.E.
Luckett, Hazel Louise	B.A.	Eng.
Lumpkin, Tiney	B.A.	Bus. Adm.
McCann, Lois Ella	B.S.	Educ.
McDonald, Calvin C.	B.S.	Agric.
McGaughey, Paul E.	B.S.	I.E.
Marks, Curtis	M.S.	Agric. Ec.
Mason, Leon U.	M.S.	Agric. Educ.
Mathis, Willie B.	B.S.	Agric.
Montgomery, Lois Kathrine	B.S.	Math.
Moore, Henry L.	B.S.	Agric.
Moody, Richard Aaron	M.S.	Agric. Educ.
Minfield, Frankie Chatham	M.S.	Rural Educ.
Morgan, Fletcher	M.S.	Agric. Ec.
Myers, Ewitt S.	M.S.	Adm. & Sup.
Naves, Bessie Farris	M.S.	Educ.
Norman, Glaucus P.	M.S.	Adm. & Sup.
Neal, Annie Mae M.	B.S.	Educ.
Penson, Beverly	B.S.	H.E.
Polk, Wayman Cullen	B.S.	Agric.
Rayford, Argie Mae Edwards	B.S.	Music
Rayford, Robert W., Jr.	B.S.	Agric.
Reeves, Mirian L.	B.S.	H.E.
Rhodes, James Joseph	B.S.	Agric.
Richardson, Willie Young	M.S.	Elm't. Educ.
Robbins, Hal, Jr.	B.A.	Hist.
Ross, Georgene	B.S.	Tailoring
Ross, Joseph Lawrence	B.S.	Agric.
Sadberry, Edgar	M.S.	P.E.
Sargent, Mattie R. W.	B.S.	Educ.
Seaton, Orville	B.S.	Agric.
Smith, Allen Franklin	M.S.	P.E.
Spencer, Cornelia L. Randon	B.A.	Bus. Adm.
Stinnett, Warren C.	B.S.	I.E.
Stubblefield, Cedric	M.S.	Chem.
Sutton, George Douglas	M.S.	Adm. & Sup.
Thomas, Lloyd	B.S.	Agric.
Walker, Marvin	B.S.	Agric.
Walker, Thelma	B.S.	H.E.
Wallace, Lawrence	B.S.	Agric.
Ware, Charlie Mae	B.A.	Bus. Adm.
Washington, Ruth Spencer	B.S.	H.E.
White, Carrie B.	M.S.	Hist.
Warren, Quitman	B.S.	Agric.
White, Clarence E.	B.S.	H.E.
White, Maggie Gazella	M.S.	Adm. & Sup.
Whitehead, Charles	B.S.	I.E.
Williams, Martha E.	B.S.	Educ.
Williams, Ora Lee	B.S.	Educ.
Williams, Samuel R.	B.S.	Agric.
Wimbish, Callie Battles	B.S.	Educ.
Young, Alma Elizabeth	B.S.	H.E.
Young, Joe C.	B.S.	I.E.
Young, Naomi Boone	B.A.	Eng.

## NURSING DIPLOMA

Butler, Pauline	Jackson, Josephine	Lilly, Bernice	Scott, Marie
Devereaux, Dorothy	Johnson, Mary Lee	Price, Ermagene	Smith, Cleopatra
			Winters, Ophelia

## CERTIFICATES OF PROFICIENCY

May 1947

NAME	TRADE SPECIALTY
Avington, Louise	Tailoring
Bryant, Henry T.	Radio Servicing
Clark, Elouise J.	Tailoring
Davis, Elmer	Interior Decorating and Painting
Dickson, Mathes	Printing
Hardeman, Chester F.	Tailoring
Harden, Harold	Shoemaking
Ledbetter, Albert	Baking
McDuffie, S. Matilda	Typing and Shorthand
Solomon, Bobbie Mae	Tailoring
Taylor, Edwin P.	Electricity

August 1947

Bell, Willie James	Printing
Berry, Theopolis	Plumbing
Breeding, Fidelus Dell	Carpentry
Britt, Sammie	Shoe Repairing
Carter, Joel H.	Plumbing
Dibrell, Anthony	Shoe Repairing
Graves, Hugh	Printing
Hayes, Wilson	Tailoring
Johnson, Alvin	Interior Decoration and Painting
McAfee, Alea	Auto Mechanics
McKenzie, Scott	Interior Decoration and Painting
McKnight, Arthur Lee	Shoe Repairing
Maxey, Eugene	Shoe Repairing
Norman, James H.	Painting
Peterson, Alandrus	Tailoring
Senegal, Ethel Marie	Secretarial Activities
Spiller, Floyd	Woodwork

SUMMARY OF DEGREES,  
DIPLOMAS AND CERTIFICATES

May 1947

## DEGREES

	M	F	Total
Bachelor of Arts	3	27	30
Bachelor of Arts in Music	2	13	15
Bachelor of Science	9	5	14
Bachelor of Science in Agriculture	35	0	35
Bachelor of Science in Education	1	2	3
Bachelor of Science in Home Economics	0	28	28
Bachelor of Science in Nursing Education	0	0	0
Nursing Education Diploma	0	0	0
Master of Science	5	1	6
Trade Certificate	7	4	11
Total	62	80	142

August 1947

Bachelor of Arts	3	15	18
Bachelor of Arts in Music	0	2	2
Bachelor of Science	3	1	4
Bachelor of Science in Agriculture	21	0	21
Bachelor of Science in Education	0	14	14
Bachelor of Science in Home Economics	0	29	29
Bachelor of Science in Industrial Education	5	1	6
Bachelor of Science in Mechanic Arts	1	0	1
Master of Science	19	11	30
Trade Certificate	16	1	17
Nursing Education Diploma	0	9	9
Total	68	83	151

SUMMARY OF ENROLLMENT

FIRST SEMESTER, 1947-48

	Agric.		A & S		H.E.		M.A.		N.E.		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Graduate	3	0	12	9	0	6	3	1	0	3	18	19	37
Senior	55	0	45	69	0	55	18	2	0	5	118	131	249
Junior	41	0	42	81	0	59	29	2	0	15	112	157	269
Sophomore	61	0	89	107	0	64	98	2	0	0	248	173	421
Freshmen	141	0	184	208	0	121	155	4	0	31	480	364	844
Special	1	0	1	1	0	0	1	0	0	0	3	1	4
Total	302	0	373	475	0	305	304	11	0	54	979	845	1824

SECOND SEMESTER, 1947-48

	Agric.		A & S		H.E.		M.A.		N.E.		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Graduate	3	0	10	9	0	6	3	1	0	3	16	19	35
Senior	49	0	48	63	0	53	16	2	0	5	113	123	236
Junior	43	0	38	83	0	58	24	2	0	15	105	158	263
Sophomore	63	0	90	104	0	61	92	1	0	0	245	166	411
Freshmen	142	0	196	206	0	110	138	4	0	30	476	350	826
Special	2	0	1	1	0	0	3	1	0	0	6	2	8
Total	302	0	383	466	0	288	276	11	0	53	961	818	1779

ENROLLMENT WITHOUT DUPLICATION, 1947-48

	Agric.		A & S		H.E.		M.A.		N.E.		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Graduate	3	0	16	13	0	6	3	1	0	4	22	26	48
Senior	58	0	50	79	0	64	18	2	0	5	126	150	276
Junior	43	0	43	87	0	64	30	2	0	15	116	168	284
Sophomore	63	0	99	114	0	68	99	2	0	0	261	184	445
Freshmen	153	0	212	222	0	125	177	4	0	31	542	382	924
Special	2	0	2	2	0	0	3	1	0	0	7	3	10
Total	322	0	422	517	0	329	330	12	0	55	1074	913	1987

VETERANS, FIRST SEMESTER, 1947-48

	Agric.		A & S		H.E.		M.A.		N.E.		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Graduate	2	0	12	0	0	0	3	0	0	2	17	2	19
Senior	43	0	26	0	0	0	10	0	0	0	79	0	79
Junior	26	0	23	1	0	0	26	0	0	0	75	1	76
Sophomore	52	0	47	0	0	0	76	0	0	0	175	0	175
Freshman	72	0	71	0	0	0	93	0	0	0	236	0	236
Special	1	0	0	0	0	0	0	0	0	0	1	0	1
Total	196	0	179	1	0	0	208	0	0	2	583	3	586

VETERANS, SECOND SEMESTER, 1947-48

	Agric.		A & S		H.E.		M.A.		N.E.		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Graduate	2	0	8	0	0	0	3	0	0	1	13	1	14
Senior	35	0	26	0	0	0	8	0	0	0	69	0	69
Junior	27	0	20	1	0	0	21	0	0	0	68	1	69
Sophomore	54	0	54	0	0	0	59	0	0	0	167	0	167
Freshmen	71	0	78	0	0	0	89	0	0	0	238	0	238
Special	1	0	0	0	0	0	0	0	0	0	1	0	1
Total	190	0	186	1	0	0	180	0	0	1	556	2	558

VETERANS, WITHOUT DUPLICATION, 1947-48

	Agric.		A & S		H.E.		M.A.		N.E.		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Graduate	2	0	12	0	0	0	3	0	0	2	17	2	19
Senior	44	0	28	0	0	0	10	0	0	0	82	0	82
Junior	27	0	24	1	0	0	27	0	0	0	78	1	79
Sophomore	54	0	57	0	0	0	80	0	0	0	191	0	191
Freshmen	78	0	85	0	0	0	103	0	0	0	266	0	266
Special	1	0	0	0	0	0	0	0	0	0	1	0	1
Total	206	0	206	1	0	0	223	0	0	2	635	3	638

## SUMMER SCHOOL, 1947

*First Term*

(451 Veterans Included)

	Agric.		A & S		H.E.		M.A.		N.E.		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Graduate .....	32	0	70	146	0	38	8	1	0	3	110	188	298
Seniors .....	60	0	36	118	0	101	24	1	0	10	120	230	350
Juniors .....	45	0	46	65	0	49	19	4	0	12	110	130	240
Sophomores .....	42	0	44	36	0	20	35	0	0	0	121	56	177
Freshmen .....	38	0	32	31	0	12	63	0	0	12	133	55	188
Special .....	0	0	3	5	0	2	29	1	0	0	32	8	40
Workshops .....	0	0	33	84	0	0	0	0	0	0	33	84	117
Total .....	217	0	264	485	0	222	178	7	0	37	659	751	1410

*Second Term*

(440 Veterans Included)

Graduate .....	40	0	100	107	0	24	3	0	0	2	143	133	276
Senior .....	65	0	46	127	0	128	36	1	0	10	147	266	413
Junior .....	43	0	38	66	0	35	34	2	0	8	115	111	226
Sophomores .....	41	0	42	35	0	11	54	0	0	0	137	46	183
Freshmen .....	30	0	20	24	0	6	44	0	0	12	94	42	136
Special .....	0	0	6	7	0	0	5	0	0	0	11	7	18
Veterans .....	0	0	0	0	0	0	0	0	0	0	0	0	0
Total .....	219	0	252	366	0	204	176	3	0	32	647	605	1252

## SUMMER ENROLLMENT 1947 (EXCLUDING DUPLICATION)

(INCLUDES 458 VETERANS)

Graduate .....	57	0	93	186	0	46	10	1	0	3	160	236	396
Seniors .....	62	0	38	127	0	104	24	1	0	10	124	242	366
Juniors .....	47	0	46	76	0	56	19	4	0	12	112	148	260
Sophomores .....	43	0	44	41	0	21	35	0	0	0	122	62	184
Freshmen .....	38	0	33	31	0	13	65	0	0	12	136	56	192
Special .....	0	0	8	9	0	2	29	1	0	0	37	12	49
Workshops .....	0	0	33	84	0	0	0	0	0	0	33	84	117
Total .....	247	0	295	554	0	242	182	7	0	37	724	840	1564

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